## **Memorandum** Department of Planning & Development Services

**To:** Planning and Public Works Committee

From: Mike Knight, Planner JmK

**Date:** February 07, 2019



**RE:** Downtown Chesterfield Category C, Lot A (WildHorse) SDSP A Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design for a 7.3 acre tract of land located northeast of the intersection of Wild Horse Creek Road and Old Chesterfield Road. (18T640325, 18T640314, 18T640303)

#### <u>Summary</u>

This request is to allow for a development of a mixed-use building containing 173 residential units, 12,500 square-feet of community retail, and 14,550 square-feet of restaurant. The proposed facility is four to five stories in height, depending on elevation, and contains a parking garage positioned under the building. The building will be located in what is known as "Category C" of Downtown Chesterfield. The subject site is zoned "PC&R" Planned Commercial and Residence District and governed under the terms and conditions of City of Chesterfield Ordinance 3023. The materials primarily range from thin brick, EIFS, cultured stone, ribbed fiber cement, and ribbed metal panel.

The project was reviewed by the Architectural Review Board on Thursday, November 08, 2018. At that time, the Board made a motion to forward the Site Development Section Plan to Planning Commission with a recommendation to approve with conditions. The applicant has since fulfilled those conditions,

The project was reviewed by the Planning Commission on January 28, 2019. At that time the Commission recommended approval of the request as submitted by a vote of 8-1.

Governing ordinance 3023 states that City Council shall have automatic power of review of site plans for the subject development. The City Council will then take appropriate action relative to the proposal.

Attached to this report please find a copy of the Planning Commission Staff Report, Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and the Architect's Statement of Design and updated rendering of the elevation facing Interstate 64. Downtown Chesterfield Category C, Lot A (WildHorse)SDSP

Attachments:Planning Commission Staff ReportSite Development Section PlanLandscape PlanLighting PlanArchitect's Statement of Design

Architectural Elevations

Rendering



Figure 1: Aerial Image of Subject Site





690 Chesterfield Pkwy W • Chesterfield MO 63017-0760 Phone: 636-537-4000 • Fax 636-537-4798 • www.chesterfield.mo.us

## **Planning Commission Staff Report**

Project Type:	Site Development Section Plan
Meeting Date:	January 28, 2019
From:	Mike Knight, Planner JmK
Location:	A 22 acre tract of land located northeast of the intersection of Wild Horse Creek Road and Old Chesterfield Road.
Description:	<b>Downtown Chesterfield Category C, Lot A (WildHorse) SDSP:</b> A Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design for a 7.3 acre tract of land located northeast of the intersection of Wild Horse Creek Road and Old Chesterfield Road.

#### PROPOSAL SUMMARY

Stock and Associates Consulting Engineers, Inc. has submitted a Site Development Section Plan for Planning Commission review. This request is to allow for a development of a mixed-use building containing 173 residential units, 12,500 square-feet of community retail, and 14,550 square-feet of restaurant. The proposed facility is four to five stories in height, depending on elevation, and contains a parking garage positioned under the building. The building will be located in what is known as "Category C" of Downtown Chesterfield. The subject site is zoned "PC&R" Planned Commercial and Residence District and governed under the terms and conditions of City of Chesterfield Ordinance 3023. The materials range from thin brick, EIFS, cultured stone, ribbed fiber cement, and ribbed metal panel. The project was reviewed by the Architectural Review Board on Thursday, November 08, 2018. At that time, the Board made a motion to forward the Site Development Section Plan to Planning Commission with a recommendation to approve with conditions. The applicant has since fulfilled those conditions, staff has no remaining comments, and the project is being forwarded to the Planning Commission for review.

## **HISTORY OF SUBJECT SITE**

On March 19<sup>th</sup>, 2008, the City of Chesterfield City Council approved Ordinance 2449. This ordinance amended the previous governing zoning ordinance of the City of Chesterfield by changing the boundaries of 99 acres of the following: an "R-8" Residence District with a Planned Environmental Unit Procedure, "R-5" Residence District, "FPR-5" Residence District, "R-6A" PEU Residence District

with a Planned Environmental Unit Procedure, "C-8" Planned Commercial District, "NU" Non-Urban District and "M-3" Planned Industrial District to one 99 acre "PC&R" Planned Commercial & Residence District known as Downtown Chesterfield.

City of Chesterfield Ordinance 2449 created one PC&R district that defined specific development criteria into three specific categories. The three categories were labeled in Ordinance 2449 as Category A, Category B, and Category C. They were also defined by location, having specific category standards, and with a specific streetscape.

On February 21<sup>st</sup>, 2018, the City of Chesterfield approved Ordinance 2990. This ordinance solely amended the legal description of the entire 99 acre PC&R district.

On November 5<sup>th</sup>, 2018, City Council approved the governing Ordinance 3023. This ordinance amendment had two main objectives. The first was to incorporate and re-zone a 0.4 acre Non-Urban "NU" parcel to the "PC&R" District. The second was to amend the development criteria of the governing ordinance in which separate Concept Plans would be submitted by defined Category vs. for the entire District. It essentially allows for 2 phases of development within Downtown Chesterfield. This Site Development Section Plan is 7.3 acres of the 22 acres that make up Category C, which is one of three categories that make up the 99 acres known as Downtown Chesterfield.



Figure 1: Aerial Image of Subject Site

#### **STAFF ANALYSIS**

The subject site is located north of Wild Horse Creek Road (WHCR), east of its intersection with Old Chesterfield Road (OCR) and west of the intersection with Chesterfield Parkway. The site is located directly south of Interstate 64. Given that WHCR and I-64 are both classified as major arterials

Planning Commission January 28, 2019

according to the City's functional classification system, and Chesterfield Parkway and OCR are classified as minor arterials, all facades will be highly visible to a large number of users. The area is designated Urban Core within the City of Chesterfield Comprehensive Land Use Plan and this development would be 7.3 acres of the 99 acre PC&R zoning district known as Downtown Chesterfield. Figure 2 is a representation to visual better understand the subject site in context with the 99 acres that make up Downtown Chesterfield shown in red. The figure also depicts the sites surrounding Downtown Chesterfield and their current land use and zoning which is shown in Table 1 below.



Figure 2: Downtown Chesterfield

Direction	Label	Current Land Use	Comprehensive Land Use Plan	Zoning District
North	А	Dierbergs	Urban Core	C8 - Planned Commercial
NOLUI	В	RGA	Urban Core	C8 - Planned Commercial
East	С	Undeveloped	Urban Core	PC - Planned Commercial
South	D	Library	Urban Core	C8 - Planned Commercial
South	E	YMCA	Urban Core / Multi-Family	PC - Planned Commercial
	F	Reserve at Chesterfield	Multi-Family	R5 - Residence District
West	G	Undeveloped	Urban Core	R6AA – Residence District
	Н	Mobile Home Park	Urban Core	C7 - General Commercial

Table 1: Surrounding Sites

The general area north of Downtown Chesterfield is bordered by I-64. To the north of I-64 exists 3 office buildings currently occupied by Reinsurance Group of America's national headquarters and the Dierbergs Markets Corporate office. The east is immediately bordered by Chesterfield Parkway West. To the east of Chesterfield Parkway West is undeveloped property. The south is bordered by Burkhardt Place, which connects both the St. Louis County Library and the YMCA to Chesterfield Parkway West. To the west is primarily the residential subdivision, Reserve at Chesterfield Village, and undeveloped property. The area labeled as "G" currently has an active project known as Aventura at Wild Horse Creek, which consists of 2 buildings totaling 176 apartment units.

#### Zoning District:

The PC&R District, according to the Unified Development Code (UDC), is intended to provide development in the area of the City comprising a minimum of seventy (70) acres in size and located

only in the area bounded on the east by State Route 340, on the west by Baxter Road, on the north by State Route 40/I-64, and on the south by Lydia Hill Drive/August Hill Drive. A PC&R District development is intended to create a diverse residential and commercial mixed-use environment in which residential and commercial uses can be integrated pursuant to a downtown concept that encourages creative and coordinated design and architectural styles, efficient and effective pedestrian circulation, conservation of land resources, efficient and effective vehicular circulation, and where people can choose to live, work, eat, shop, enjoy cultural amenities and recreate. By definition, "downtown development" is mixed use, and usually follows one of two patterns (or an adaptation of both). First, as a vertical mix on a given parcel, land uses change from floor to floor within the same building. Typically, this pattern is residential above commercial (retail, professional services or office). The second pattern occurs when buildings or spaces of a single use are combined with those of other single uses. Examples are a street of residential buildings with commercial buildings occupying the corners or a commercial Main Street combined with residential side streets.

#### Land Use Designation:

The proposed development is located in the Urban Core within the City's Comprehensive Land Use Plan. Plan policies are the guiding principles for the Comprehensive Plan. These policies create the framework for decision-making related to future land use and development. Below are the plan policies that are relevant to this project given the location within the City's Urban Core.

**Policy 1.8 Urban Core** – The Urban Core should be developed to contain the highest density of mixed-use development in Chesterfield. It should serve as the physical and visual focus for the City and include both residential and commercial developments with parks, municipal services, and preservation of historic structures and areas, with cultural, entertainment and pedestrian amenities for its residents.

**Policy 2.4 Higher Density Residential in Urban Core** - New multiple-family residence should be located in or near the Urban Core.

**Policy 3.6.2 Mixed-Use Development** - The Urban Core should accommodate office, retail, highdensity housing, government facilities, multi-modal transportation, cultural and entertainment facilities, and park space. Horizontal and vertical integration of uses is encouraged.

**Policy 3.6.4 City Center** - The development of a "City Center" within the Urban Core will create a community hub for public use, arts, with open-air restaurants, walkable shops, cultural and entertainment venues, and public gathering "places". Particular attention should be on providing first-floor pedestrian activities and architectural design.

Policy 3.6.7 Parking Structures - The use of parking structures in the Urban Core is encouraged.

**Policy 7.2.10 Multi-modal Transportation Choices** – Sites in the Urban Core should be designed for all types of transportation choices including pedestrian, bicycle, mass transit, and vehicular. Sites should be designed to provide for pedestrian, bicycle, mass transit, and vehicular inter-connectivity to adjacent sites.

#### **General Requirements for Site Design:**

This request is for one building containing residential, commercial, and restaurant uses on a highly visible 7.3 acre site. The applicant is proposing 173 residential units, 14,550 square feet of restaurant, and 12,500 square feet of retail. The governing ordinance states that parking shall be calculated globally and shall not be calculated on an individual site basis, except that the required parking provided shall be not less than 90%. The applicant has provided 425 spaces (217 surface and 208 within the garage) which is the minimum required in accordance to the governing ordinance.

Below in Figure 3 is the color Site Development Section Plan for the proposed development that was submitted to the Architectural Review Board. The only significant change from this color SDSP to the current SDSP would be the angle of the trash area. As seen in the figure below, there is a proposed courtyard and proposed pool in the center of the building. Both areas are open to air, but will not be seen from off-site. There is a plaza area northwest of the roundabout.



Figure 3: Color Site Plan

#### A. Site Relationships

The UDC outlines specific desirable practices within the site relationships section of the code. The table below outlines desirable site practices within the code and how the SDSP relates to them.

Desirable Practices	Site Development Section Plan
Provide safe pedestrian movement.	A pedestrian walkway surrounds the entire building and extends to WHCR.
Provide public plazas, courtyards, assembly	A plaza area is shown northwest of the
areas, etc.	roundabout.
Incorporate scenic views, fountains, public art, etc.	Public art is depicted within the roundabout.

The UDC outlines specific undesirable practices within the site relationships section of the code. An undesirable practice stated within the UDC is above ground utilities. Although the applicant is not proposing any new utilities above ground, the development team intends to leave the existing above ground utility poles located southwest of Lot A, from WHCR extending past the proposed private drive and extend along OCR. Figure 4 identifies these existing poles to remain through a dashed yellow circle over a recent aerial image.

#### B. Circulation System and Access

The subject site will be served primarily by one entrance from WHCR, with a dedicated



Figure 4: Utility Poles to Remain

westbound right turn lane into the site. There is an existing private drive that is to be extended from the southwestern corner of the site to OCR in conjunction with this development. Vehicular traffic circulation can be seen around the entire building. A roundabout near the entrance of the site would provide access to the east that is labeled future development. Cross access easements are required between the subject site and the future development to the east and west.

Pedestrian circulation can be seen completely circumnavigating the building. The City of Chesterfield Bikeable-Walkable plan designates a planned bike lane along this section of WHCR. The submittal provides a bike lane along the major arterial WHCR.

Most of the parking and driveway aisles consist of asphalt. One area that is not asphalt is the roundabout feature. The roundabout will consist of natural concrete, colored concrete, and a colored concrete with a stamped pattern. This transition in material will assist in pedestrian circulation by providing a traffic calming element for the vehicular movement within the circle drive, but also increase awareness of pedestrian activity crossing between Lot A and the lot to the east known as Lot B.

#### C. Topography and Retaining Walls

The existing topography slopes from a southern high point down approximately 34 feet to the north on the buildable area of the site. There is approximately 31 feet of additional fall to the northern tip of the site. Modification to the grade is being proposed without the use of site retaining walls. The natural slope of the site is being utilized to facilitate the parking below the building. Other slope modifications provide for ADA accessibility throughout the improved area of the site.

#### General Requirements for Building Design:

This request is to allow for development of a mixed-use building. The mixture of uses consists of 173 multi-family residential units, 12,500 square feet of retail, and 14,550 square feet of restaurant. The

building will be 4-5 stories in height depending on the elevation. The maximum height from floor to top of roof elevation is 66'8".

#### D. Scale, Design, Materials, and Color

The proposed building will be the first building specifically created for Downtown Chesterfield. The design standards for this building are elevated due to the proximity within the Urban Core, but also as it is the first phase in creating a Downtown Chesterfield. This building will begin to set the standard that would apply to the rest of the 99 acres that make up Downtown Chesterfield in which future developments will have to maintain cohesion and uniformity throughout the development.

The building design and finishes are coordinated and consistent on all building facades. The different components of the mixed-use buildings have different identities. The proposed restaurant space on the southeast corner features a glass enclosed corner stair leading up to a second-floor bar/dining area with a rooftop patio space. The first floor commercial along WHCR projects from the building forming a continuous roof patio space utilized by the residents above. The individual residential living spaces are expressed by building facade offsets, changes in parapet height, balconies, along with material and color changes. The materials include thin brick, cultured stone, fiber cement siding, aluminum storefront, clear low-e-glass, architectural windows and doors. Brick cornice and other masonry details are used consistently on all sides of the building.

All of the color elevations are attached within the packet. Below in Figure 4 are two prominent elevations that can be seen from both WHCR and I-64. The "A" on top represents the view from WHCR detailing the mix of residential, retail, and restaurant and the "B" below represents the view from I-64 detailing all residential units and the entrance to the parking garage. Figure 5 is a rendered image of the site showing all three uses within the building.

CORNICE DETAIL THIN BRICK, TYP.	EIFS		THIN BRICK LC	LUMINUM AND MESH JAILING SYTEM, TYP. OUVRED SUNSHADE HIN BRICK	THIN BRICK, TYP.	CORNICE DETAIL
						THIN BRICK
EIFS	CLEAR GLASS IN ALUMINUM		CULTURED STONE	STEEL C CHANNEL	STEEL PLATE FASCIA	CULTURED STONE
	STOREFRONT SYSTEM			LINTEL ACCENT	ON CANOPY	
	CORNOC DETAIL	RIBBED FIBER CEMEN ALUMINUM AND MES- RAILING SYTEM, TYP,		FIBERGLASS WINDOW UNIT	RIBBED FIBER CEMENT CULTURED STONE	
	CORNICE DETAIL THIN BRICK, TYP	ALUMINUM AND MESH		FIBERGLASS WINDOW UNIT		

Figure 4: Color Elevations



Figure 5: Rendering

#### E. Multi-Family Architecture

Section 04-01 includes specific requirements for multi-family architecture.

<u>Provide an on-site pedestrian system with access to common ground areas</u> – An on-site pedestrian system is highly visible around the building. Pedestrian access to the east is defined within the roundabout along with designated areas for pedestrian crossing both north and south of the roundabout. There is not a proposed sidewalk to the west along the private drive that connects to OCR. The SDSP is providing roughly 150 linear feet of 8' sidewalk along WHCR. Sidewalk would be required along OCR and the rest of WHCR at the time each lot that has frontage along the arterial roadways were to submit a SDSP.

<u>Express architecturally the individual dwelling units within the building</u> – In addition to other items mentioned in the report thus far, the proposal includes recessed and projecting balconies which help emphasize the individual units within the building.

<u>Utilize color, material, and plane changes to articulate facades.</u> Avoid monotonous or institutional <u>designs</u> – As discussed, the proposal includes color and material changes to avoid a monotonous design. Outdoor gathering areas are included on the first level of the development, which provide human scale and add additional detailing at the pedestrian level.

<u>Respect the scale, proportion and character of the adjacent or predominant neighborhood</u> – This development would be the first intentionally created for "Downtown Chesterfield" and would set the scale, proportion, and character for the next phase of development.

<u>Provide functional recreation areas</u> – An area in the form of a plaza can be seen northwest of the roundabout. The plaza area includes a platform bench with a wood deck, 3 additional benches to match the platform, and accent pavers.

<u>Provide outdoor space for each dwelling</u> – In addition to common areas, balconies are provided. The balconies provide outdoor space for each unit and also add an element of depth to the proposed buildings.

<u>Primary Building material</u> - Primary building material shall be extended and installed so that no more than twelve (12) inches of concrete foundation wall is exposed.

#### F. Landscape Design and Screening

Landscaping is used to enhance the pedestrian experience, screen the service areas, and soften the building's base where it meets the site. The applicant does not intend to preserve most of the existing canopy. Since the site is virtually being clear cut, a Landscape Mitigation Plan has been submitted. The mitigation plan includes 83 additional trees consisting of deciduous, ornamental, and evergreen varieties, primarily located in the northern area of the site. A 30' landscape buffer has been provided along the major arterial Interstate 64.

All mechanical units will be located on the roof and screened by the parapets. There will be three dumpsters located on the southwest portion of the site. The screening consists of brick veneer and the trash enclosure gates are to be metal deck painted to match the masonry wall. One of three dumpsters shall be utilized for recycling purposes.

#### G. Lighting

Lighting consists of utilitarian and decorative fixtures. Below in Figure 6 (A-C) is building lighting. The applicant is proposing a decorative fixture (A) along the retail portion that fronts WHCR. Fixtures B and C are utilitarian and provide lighting along the residential areas and recessed under canopies.

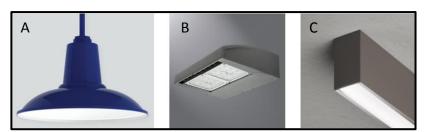


Figure 6: Building Lighting

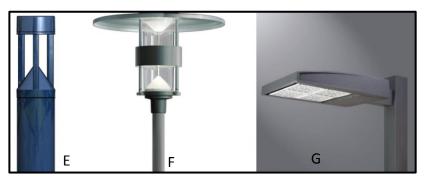


Figure 7: Site Lighting

Figure 7 depict the site lighting. This includes bollards (E), pedestrian scale lighting the internal drive (F), and parking lighting (G) throughout the site. All building and site lighting are consistent with the Lighting Fixture Concept Plan also submitted with the city and under review.

Street lights will also be required along WHCR and the private drive and will utilize an Ameren approved fixture.

#### **GOVERNING ORDINANCE**

As previously referenced, the governing ordinance for the 99 acres that comprise Downtown Chesterfield has three defined categories. The subject site is located in what is known as Category C. This is the 22 acres north of WHCR and can be seen in Figure 8.

Category C has specific standards outlined in the governing ordinance that reference building placement, building volume, floor heights, façade elements, outdoor space, and building function. The ordinance also provides a specific exhibit that details a streetscape to which the development should adhere.

Section I.O of the governing ordinance states that upon application from a petitioner, any performance standard provided in the



Figure 8: Category Location

Attachment "A" or required by any other district regulation or Ordinance of the City may be supplemented, modified, or altered provided such supplement, modification, or alteration will further the purpose and intent of the PC&R District. A public hearing is not required in the process and recommendation by Planning Commission will be forwarded to City Council for final approval.

The applicant is seeking four modifications from the category standards set forth in the governing ordinance, specifically from Exhibit 1 titled "Highway Frontage Outlots".

- 1. Utilize the streetscape in Exhibit 1 off of the internal drive.
- 2. A 12' sidewalk easement is required in Exhibit A and not shown on the plan
- 3. The maximum distance a building can be from the WHCR right of way is 52' according to Exhibit A. The building is 100' from the internal drive along the north end of the internal drive near the plaza.
- 4. Exhibit 1 specifically removes parking in between WHCR and the "build to" line unlike Categories A & B. This submittal has a row of parking between the internal drive and the building.

The applicant has provided a modification request stating the intent of the request is to achieve the goals and objectives of the PC&R district. This site focuses on the center of the proposed development with a plaza, roundabout, public art, sidewalks and park benches. The proposed buildings will surround the plaza and bring a "Downtown" feel to the area and further the intent of

the PC&R. The applicant will essentially be building the streetscape off of the internal drive vs. WHCR.

Staff acknowledges and is supportive of the center drive aisle dictating an urban "Downtown" streetscape vs. the major arterial of WHCR. In the November ARB report, Staff encouraged more interaction with the street and the building's urban form as dictated in the streetscape identified in Exhibit 1 of the governing ordinance. As proposed, the parking along the center drive aisle in front of the building deviates from the streetscape seen in Exhibit 1 of the governing ordinance.

#### TRAFFIC IMPACT STUDY

The applicant was required to submit a Traffic Impact Study in conjunction with the proposed development. A scoping meeting was held with multiple stakeholders including the development team, the traffic consultant CBB, St. Louis County Department of Transportation, the Missouri Department of Transportation, and the City of Chesterfield. At this meeting the scope of work for the study was defined. CBB then completed the study and provided an analysis summary. This summary included information on designated intersections/approaches for both the AM and PM Peak periods, summary of findings, and information on system issues.

The study found that the impacts of cumulative development within the Urban Core will degrade traffic operations for two specific turning movements, one each at the intersections on both ends of OCR. This is a "cut through" road which some motorists use to bypass the intersection of Baxter Road and WHCR.

#### Westbound Right-turn movement from OCR onto Baxter:

This movement currently operates at LOS F in the PM peak hour and will continue to operate at a LOS F with the addition of the proposed development. The long delays and queues are limited to the peak 15 minutes of the PM Peak Period. The other movements through the intersection perform well as traffic along Baxter Road is not required to stop. However the large northbound through volume on Baxter during the PM peak in combination with the closely spaced signal at Edison Avenue to the north does not allow adequate gaps for the westbound right-turn movement to enter the traffic easily. The addition of traffic will increase the expected queue length for the movement from 885 to 975 feet.

**Southbound left-turn movement from OCR onto WHCR:** This movement currently operates at a LOS D in the AM and LOS C in the PM. This turning movement would be expected to degrade to a LOS E in both the AM and PM peak hours. While there are very few southbound left turn trips, the additional east-west trips along WHCR will reduce the available gaps. The other movements through the intersection perform well as traffic along WHCR is not required to stop.

The traffic impact study states that system-level improvements would be required to resolve both degradation issues and notes that both of the impacted movements are on a secondary route used as a bypass or "cut-through route". Any intersection improvements to resolve the impact to the cut-through would most likely negatively affect the through routes. Those changes may even encourage

Planning Commission January 28, 2019

more "cut-through" traffic and offers that it may be best to leave those intersections as-is and allow the congestion to regulate the amount of "cut-through" traffic.

#### **DEPARTMENTAL INPUT**

Staff has reviewed the submittal and has found the application to be in conformance with the City of Chesterfield Unified Development Code and Ordinance 3023. Staff recommends approval of the Site Development Section Plan for the Downtown Chesterfield (Category C) development.

#### MOTION

The following options are provided to the Planning Commission for consideration relative to this application:

- 1) "I move to approve (or deny) the Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design for the Downtown Chesterfield (Category C) Lot A, WildHorse development."
- "I move to approve the Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design for the Downtown Chesterfield (Category C) Lot A, WildHorse development with the following conditions..." (Conditions may be added, eliminated, altered or modified)
- Attachments: Site Development Section Plan Landscape Plan Lighting Plan Architectural Elevations Architect's Statement of Design

GRAPHIC	C SCALE
SP-2 - PHOTOMETRIC FLOW SP-3 - SITE SECTIONS & DETAILS SP-5 - ST. LOUIS COUNTY SIGHT DISTANCE STUDY SP-5 - ORDINANCE #3023 (IN F	TEET )
2 – MITIGATION PLANTING PLAN 3 – MASTER PLANTING PLAN 3 – TREE STAND DELINEATION	
Dil A       ARCHITECTURE ELEVATIONS         PERTINENT DATA         OT A         MNER:       CHESTERFIELD VILLAGE INC         MNER UNDER CONTRACT:       BRINKMANN HOLDINGS LLC         OT A AREA:       7.306 Acres ±         VISTING ZONING:       "PC&R" PLANNED COMMERCIAL & RESIDENCE (ORD. #3023)         TE ADDRESS:       16461, 16491, 16493, 16495, 16503, 16511 WILD HORSE CREEK         CHESTERFIELD, MISSOURI 63005       185430248, 18T640095, 18T640204, 18T640215, 18T640303, 18T640314, 18T640325         OCATOR NO:       185430248, 18T640095, 18T640204, 18T640215, 18T640303, 18T640314, 18T640325         UNNERNBERG'S:       PG. 21, GRID 18FF & 19EE         RE DISTRICT:       MONARCH FIRE PROTECTION DISTRICT         CHOOL DISTRICT:       PARKWAY         EWER DISTRICT:       METROPOLITAN ST. LOUIS SEWER DIST.         MISSOURI RIVER       29189C0165K, FEB 4, 2015         LECTRIC COMPANY:       AMEREN UE	<ol> <li>ALL PROPOSED IMPROVEMENTS SHALL BE CONSTRUCT</li> <li>NO SLOPES WITHIN ST. LOUIS COUNTY RIGHT-OF-WA</li> <li>STORM WATER SHALL BE DISCHARGED AT AN ADEQUIPOINTS.</li> </ol>
AS COMPANY: SPIRE INC HONE COMPANY: AT&T MISSOURI AMERICAN WATER COMPANY ENERAL NOTES BOUNDARY AND TOPOGRAPHIC SURVEY BY STOCK & ASSOCIATES CONSULTING ENGINEERS, INC. ALL UTILITIES SHOWN HAVE BEEN LOCATED BY THE ENGINEER FROM AVAILABLE RECORDS. THEIR LOCATION SHOULD BE CONSIDERED APPROXIMATE. THE CONTRACTOR HAS THE RESPONSIBILITY TO NOTIFY ALL UTILITY COMPANIES, PRIOR TO CONSTRUCTION, TO HAVE EXISTING UTILITIES FIELD LOCATED. NO GRADE SHALL EXCEED 3:1 SLOPE.	<ul> <li>9. ANY ENTITY THAT PERFORMS WORK ON ON ELE CERTIFICATE OF INSURANCE EVIDENCING GENERAL LI SPECIFIED AS THE LIMITS OF LIABILITY SET BY THE COUNTY" AS AN ADDITIONAL INSURED AND SHALL PROVIDE FOR A 30 DAY POLICY CANCELLATION NO SPECIFIC AMOUNTS FOR BOTH PER PERSON AND PE</li> <li>10. PRIOR TO 'SPECIAL USE PERMIT" ISSUANCE BY THE ESCROW OR A SPECIAL ESCROW SUPPORTED BY AN THE ST. LOUIS COUNTY DEPARTMENT OF HIGHWA IMPROVEMENTS.</li> <li>11. CONTINUOUS PEDESTRIAN ACCESS SHALL BE PE CONSTRUCTION, ADEQUATE PEDESTRIAN ACCESS A SHALL BE REMOVED WITHOUT PROVIDING ADEQUATE</li> <li>12. TRAFFIC GENERATION ASSESSMENT CONTRIBUTIONS</li> </ul>
GRADING AND STORM WATER PER M.S.D., MODOT, ST. LOUIS COUNTY, THE CITY OF CHESTERFIELD AND THE MONARCH CHESTERFIELD LEVEE DISTRICT. STORMWATER SHALL BE DISCHARGED AT ADEQUATE NATURAL DISCHARGE POINT.	SUBMITTAL.
SINKHOLES ARE NOT ADEQUATE DISCHARGE POINTS. ALL UTILITIES WILL BE INSTALLED UNDERGROUND.	MEASUREMENTLOT ARETL/OFF/CIVIC/LODGING GFA27,050RESIDENTIAL UNITS173
SITE DEVELOPMENT SHALL BE IN ACCORDANCE WITH RECOMMENDATIONS AS OUTLINED IN THE GEOTECHNICAL EXPLORATION TITLED AND ALL IRS SUPPLEMENTAL PROVISIONS AND ADDENDUMS. SIGNAGE APPROVAL IS A SEPARATE PROCESS OFFSITE GRADING AND IMPROVEMENTS REQUIRE EASEMENTS FROM PROPERTY OWNER.	
TE HIGHWAY 1464	$\leq$
	15'W MOL EAS DB. 198 AH
There day	
ADDING LEIGHT VI	
GAN ASENIENT TO 15W ASENIENT TO UNION FLECTRIC CO.	
15W EASEC IRIC 812 UNION ELECTRIC 812 DB:5685, PG 812	
AENT SALES AND	
	MSD BB: 10
	PROPOSED E TO BE DEDIC MSD
283 283 283 283 283 283 283 283	ELE DRAIN
, the owner under contract of the property shown on this plan for and in consideration of being granted a permit to develop property under the provisions of Chapter.	
(applicable subsection) Ordinance No. (applicable subsection) (applicable subsection) (present zoning) (ordinance No. (commercial & Residence of the City of Chesterfield (present zoning)	
Ordinance No, do hereby agree and declare that said property norm the date of recording this plan shall be developed only as shown thereon, unless said plan is amended by the Planning Commision, or voided or vacated by order of ordinance of the City of Chesterfield Council.	
by: STATE OF MISSOURI )	
) SS. COUNTY OF ST. LOUIS )	
On this day of , 2018, before me personally appeared, who being by me duly sworn, did say he is the of, and that said	
instrument was signed on behalf of said limited liability company, and that said acknowledged said instrument to be the free act and deed of said limited liability	LACLED MOBILE -72" WOODNISSOURI -72" WOODNISSOURI -72" WOODNISSOURI -72" WOODNISSOURI -72" LACLED MOBILE -72" WOODNISSOURI -72" LACLED LOC 171 -72" LACLED LOC 171 -72" LACLED LOC 171
company. IN WITNESS WHEREOF, I have signed and sealed the foregoing the day and year first above written.	18")
Notary Public	20° (32°) (conc.)
Print Name	
My commission expires:	
This Site Development Section Plan was approved by the City of Chesterfield Planning Commission and duly verified on the day of 2018, by the Chairperson of said	
Commission, authorizing the recording of this Amended Site Development Section Plan pursuant to Chesterfield Ordinance No, 200. as attested to by the Director of Planning and Development	
Services and the City Clerk.	510 F.5.S
By:	-515 -516
By: Vickie Hass, City Clerk	
PREPARED FOR: PEARL COMPANIES 010 N EAST STREET	
919 N. EAST STREET INDIANAPOLIS, IN. 46202 ATTN: MR. JEFF TEGETHOFF	

TED TO ST. LOUIS COUNTY STANDARDS.

UATE NATURAL DISCHARGE POINT. SINKHOLES ARE NOT ADEQUATE DISCHARGE

OS SHALL MEET MINIMUM ST. LOUIS COUNTY SIGHT DISTANCE REQUIREMENTS.

THE CONSTRUCTION PLANS INDICATING THAT THE UNIMPROVED EXISTING RONTAGE MEETS CURRENT ST. LOUIS COUNTY ADA STANDARDS.

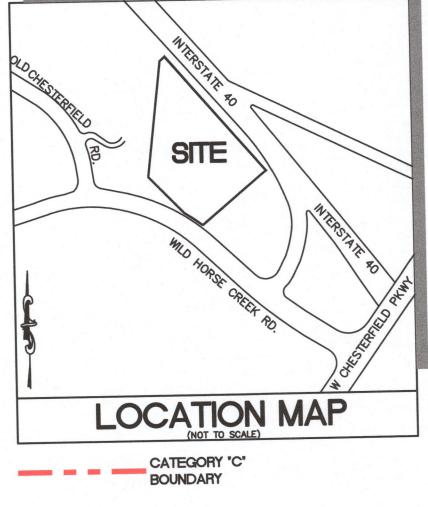
AL OBSTRUCTIONS WITHIN THE ST. LOUIS COUNTY ROAD RIGHT-OF-WAY SHALL

R OCCURRENCE LIMITS.

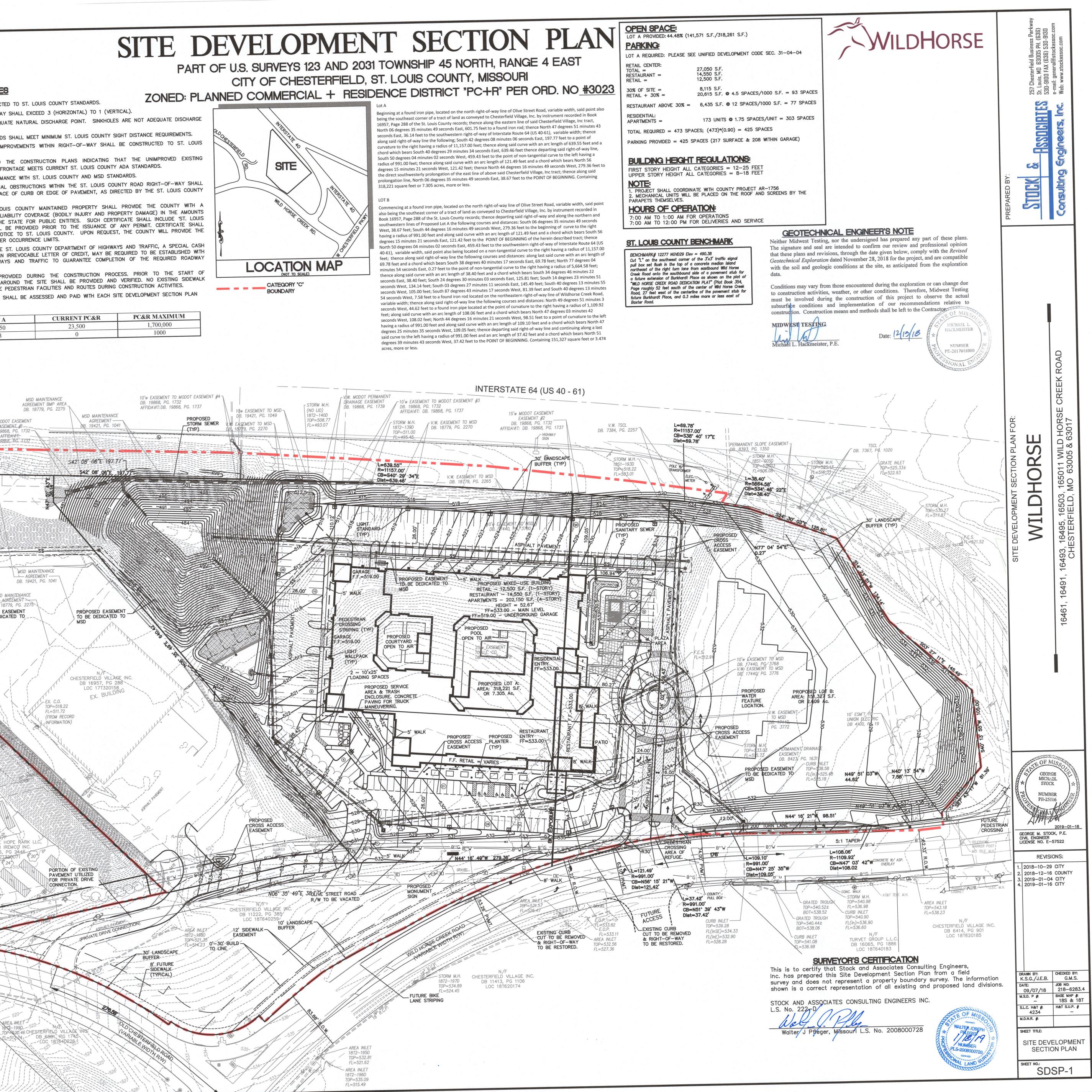
AYS AND TRAFFIC TO GUARANTEE COMPLETION OF THE REQUIRED ROADWAY

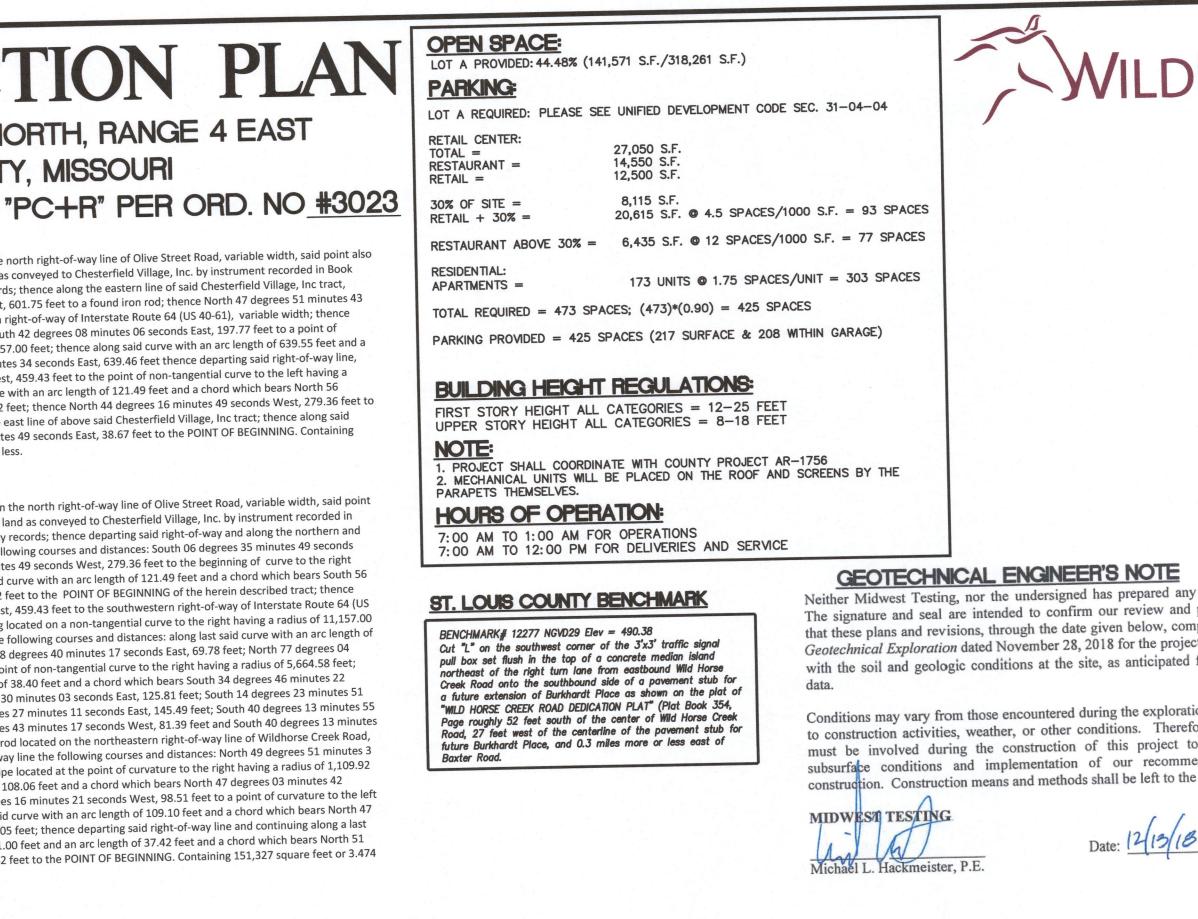
PEDESTRIAN FACILITIES AND ROUTES DURING CONSTRUCTION ACTIVITIES. SHALL BE ASSESSED AND PAID WITH EACH SITE DEVELOPMENT SECTION PLAN

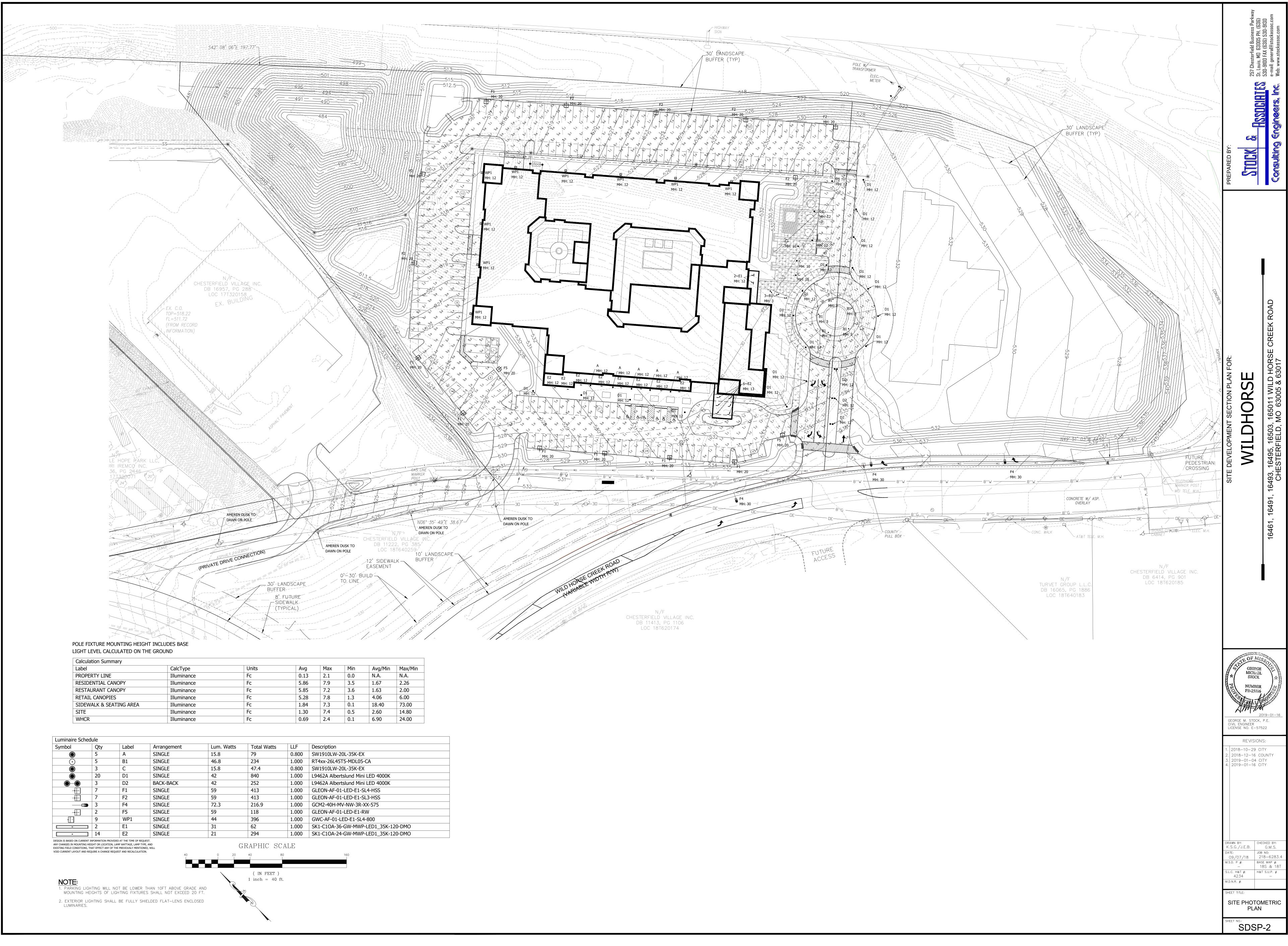
A	CURRENT PC&R	PC&R MAXIMUM
0	23,500	1,700,000
0	0	1000



LOT B

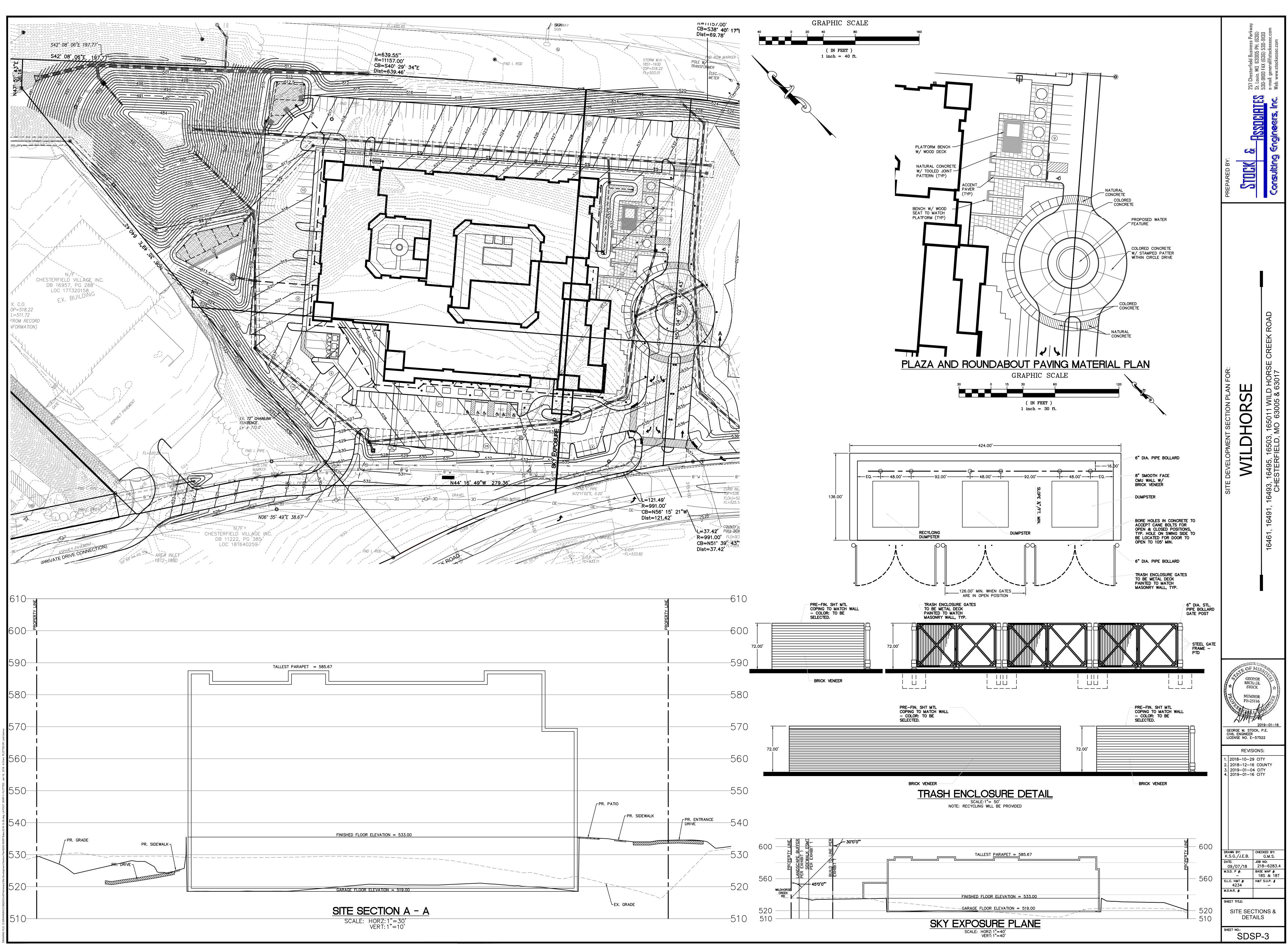




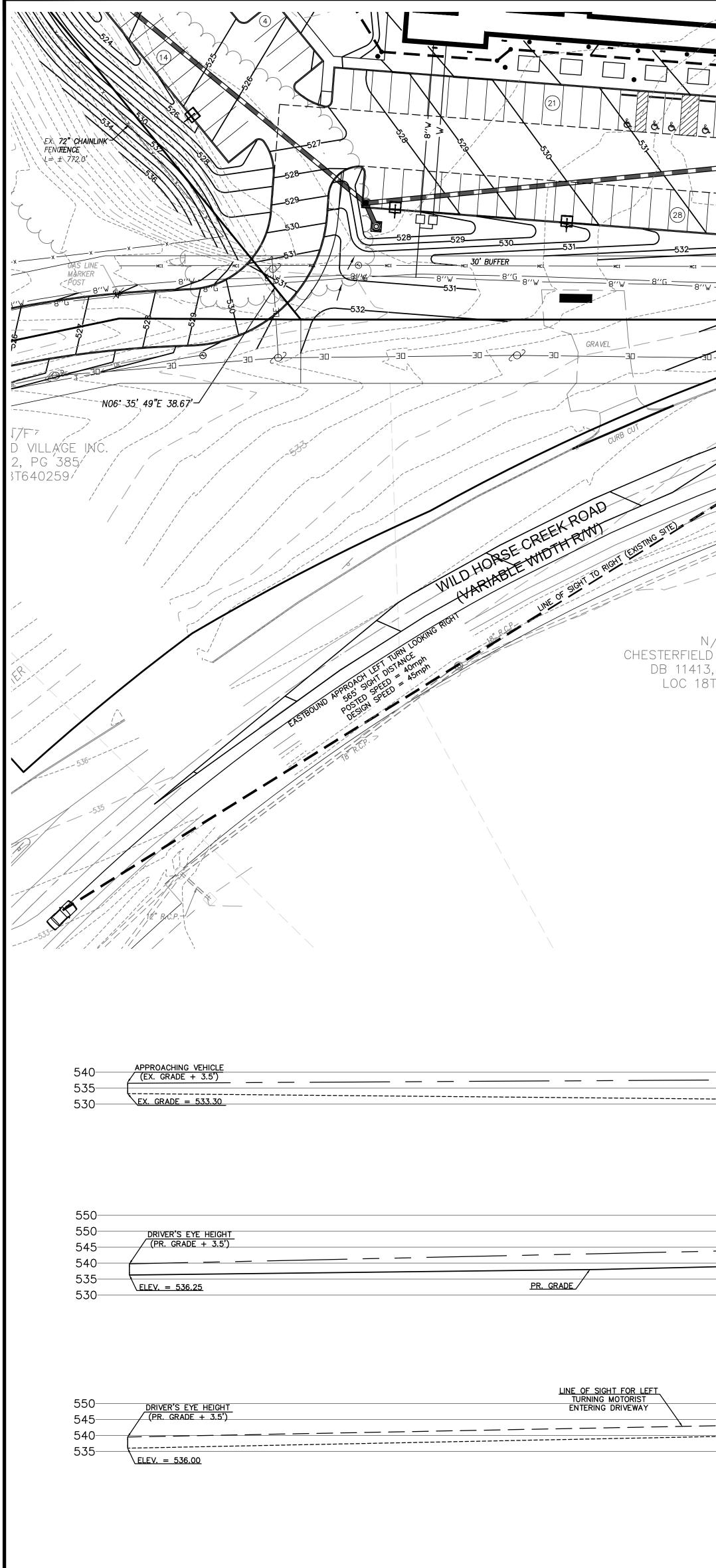


Symbol	Qty	Label	Arrangement	Lum. Watts	Total Watts	LLF	Description
	5	A	SINGLE	15.8	79	0.800	SW1910LW-20L-35K-EX
$\overline{\mathbf{O}}$	5	B1	SINGLE	46.8	234	1.000	RT4xx-26L45T5-MDL05-CA
	3	С	SINGLE	15.8	47.4	0.800	SW1910LW-20L-35K-EX
	20	D1	SINGLE	42	840	1.000	L9462A Albertslund Mini LED 4000K
	3	D2	BACK-BACK	42	252	1.000	L9462A Albertslund Mini LED 4000K
	7	F1	SINGLE	59	413	1.000	GLEON-AF-01-LED-E1-SL4-HSS
	7	F2	SINGLE	59	413	1.000	GLEON-AF-01-LED-E1-SL3-HSS
	3	F4	SINGLE	72.3	216.9	1.000	GCM2-40H-MV-NW-3R-XX-575
	2	F5	SINGLE	59	118	1.000	GLEON-AF-01-LED-E1-RW
• •	9	WP1	SINGLE	44	396	1.000	GWC-AF-01-LED-E1-SL4-800
	2	E1	SINGLE	31	62	1.000	SK1-C1OA-36-GW-MWP-LED1_35K-120-DMO
<b>→</b>	14	E2	SINGLE	21	294	1.000	SK1-C1OA-24-GW-MWP-LED1_35K-120-DMO

Avg/Min	Max/Min
N.A.	N.A.
1.67	2.26
1.63	2.00
4.06	6.00
18.40	73.00
2.60	14.80
6.90	24.00



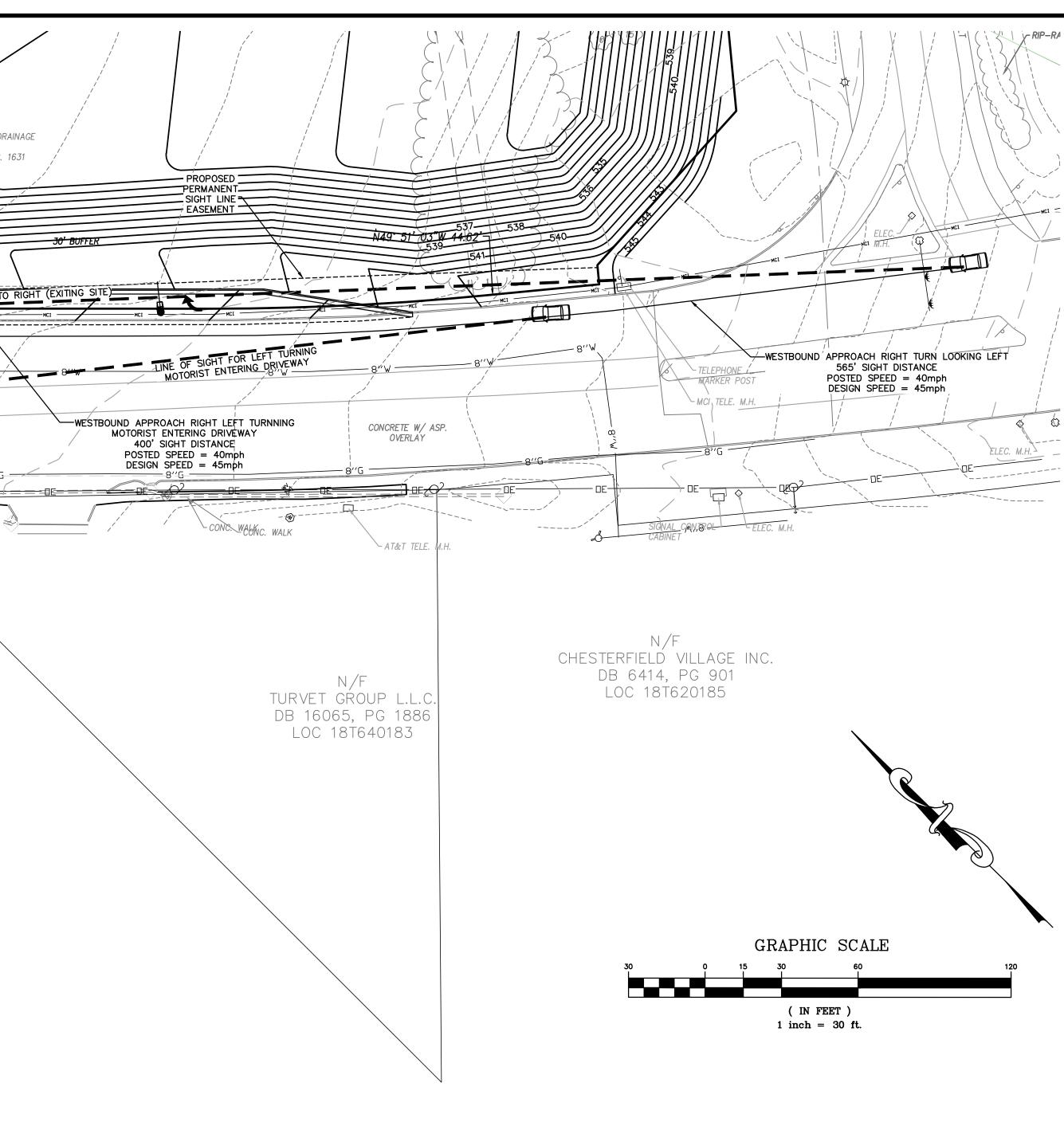
SKY	EXPOSURE	PL	.AN
	SCALE, HOP7.1"-40'		



:DRAW620012186283(Civil)Preliminary/Site Development Section Plan(6283-SDSP Base-2018-12-26.dwg LAYOUT: SDSP-4 PLOTTED: Jan 18, 2019 - 9.32am PLOTTED BY jost

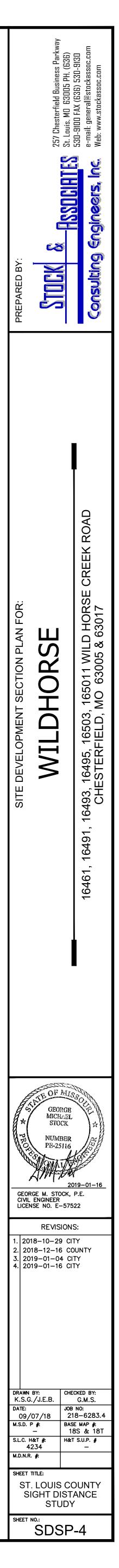
	B	
	533	PERMANENT DRA EASEMENT DB. 8423, PG. 1
A & & FROPOSED PROPOSED PERMANENT SIGHT LINE	535	536
PROPOSED PERMANENT SIGHT LINE EASEMENT 533 534 535 MCI NCI NCI NCI 87/0 87/0 87/0 87/0 87/0 87/0 87/0 87/0		LINE OF SITE TO
536 	COUNTY 8"W 8"W	
I/F D VILLAGE INC. 3, PG 1106 3T620174		
		I <u>E OF SIGHT TO RIGHT</u> ASTBOUND APPROACH
	EA	
	W	NE OF SIGHT TO LEFT ESTBOUND APPROACH
	<u>APPROACHING VEHICLE</u> (EX. GRADE + 3.5') (EX. GRADE = 543.10	550 545 540 535
SITE SIGHT DISTAN	CE PROFILES	

SCALE: HORZ: 1"=20' VERT: 1"=20'



DRIVER'S EYE HEIGHT (PR. GRADE + 3.5')	540
<u>PR. GRADE</u> <u>ELEV. = 536.25</u>	535 530

 APPROACHING VEHICLE           (EX. GRADE + 3.5')	
	-530



BILL	NO. 3217	

ORDINANCE NO. 3023

AN ORDINANCE AMENDING THE LEGAL DESCRIPTION OF CITY OF CHESTERFIELD ORDINANCE 2990 AND AMENDING THE DEVELOPMENT CRITERIA OF CITY OF CHESTERFIELD ORDINANCE 2449 FOR AN EXISTING "PC&R" PLANNED COMMERCIAL AND RESIDENCE DISTRICT AND "NU" NON-URBAN DISTRICT TO ONE "PC&R" PLANNED COMMERCIAL AND RESIDENCE DISTRICT FOR A 99.0 ACRE TRACT OF LAND (P.Z. 06-2018 DOWNTOWN CHESTERFIELD STOCK & ASSOCIATES CONSULTING ENGINEERS INC.] 18S410206, 18S410240, 18S430259, 18S430248, 18T620185, 18T620174, 18T620206, 18T640271, 18T640095, 187640204, 187640215, 187640260, 187640303, 187620064, 187640314, 187640259, 177320158, 177320169, 187640248, 18T640237, 18T630195, 18T620053, 18T630272

WHEREAS, the petitioner, Stock & Associates Consulting Engineers Inc., has requested a zoning map amendment to repeal City of Chesterfield Ordinance 2990 and City of Chesterfield Ordinance 2449 and establish a new "PC&R" Planned Commercial and Residence District for a 99.0 acre tract of land located at the southwest corner of the intersection of U.S. Highway 40/I-64 and Chesterfield Parkway West: and.

WHEREAS, a Public Hearing was held before the Planning Commission on August 13, 2018; and,

WHEREAS, the Planning Commission having considered said request, recommended approval of the amendment by a vote of 6-0; and WHEREAS, the Planning and Public Works Committee, having considered

said request, recommended approval with changes of the amendment by a vote of 4-0; and. WHEREAS, the City Council, having considered said request, voted to

approve the change of zoning request. NOW THEREFORE BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF CHESTERFIELD, ST. LOUIS COUNTY, MISSOURI, AS FOLLOWS:

Section 1. City of Chesterfield Unified Development Code and the Official Zoning District Map, which are part thereof, are hereby amended by establishing a "PC&R" Planned Commercial and Residence District designation for 99.0 acres located at the southwest corner of the intersection of U.S. Highway 40/I-64 and Chesterfield Parkway West and as described as follows:

A TRACT OF LAND BEING PART OF U.S. SURVEYS 123, 415 AND 2031 AND PART OF LOT C120 OF "CHESTERFIELD VLLAGE AREA A PHASE ONE PLAT TWO" IN TOWNSHIP 45 NORTH - RANGE 4 EAST, CITY OF CHESTERFIELD ST. LOUIS COUNTY, MISSOURI BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: Page 1 of 15

P.Z. 06-2018 Downtown Chesterfield (Stock & Associates Consulting Engineers Inc.) Planning Commission—September 12, 2018 Planning and Public Works – September 20, 2018 City Council - October 15, 2018 & November 5, 201 ATTACHMENT A

All provisions of the City of Chesterfield City Code shall apply to this development except as specifically modified herein. I SPECIFIC CRITERIA

# A. PERMITTED USES

- The commercial and residential uses allowed in this Planned Commercial and Residential ("PC&R") District shall be:
- RETAIL COMMERCIAL USES:
- 1. Barber shops and beauty parlors. Bookstores.
- Financial institutions.
- Restaurants, fast food (with no drive through) Restaurants, sit down (with no drive through).
- 6. Rental and leasing of new and used automobiles (including car sharing services) and necessary outdoor storage of said automobiles provided that rental and leasing of recreational vehicles, motor homes, and trailers shall not be permitted. In the mixed use downtown setting ontemplated by this ordinance, rental and leasing of new and used automobiles is not intended to create a large scale use or an automobile dealership. Automobile dealership is prohibited. Rental and leasing of new and used automobiles is intended to be smaller scaled, limited use suitable for a mixed use downtown setting. The number and location of parking spaces for automobiles available for rental or lease shall be determined during review of the applicable site development plan or site development section plan. Rental and leasing of new and used automobiles shall only be permitted on the ground floor of a structure.
- 7. Service facilities, studios, or work areas for antique salespersons, artists, candy makers, craftpersons, dressmakers, tailors, musi teachers, dance teachers, typists, and stenographers, includin cabinet makers, film processors, fishing tackle and bait shops, and souvenir sales. Goods and services associated with these uses may be sold or provided directly to the public on the premises.
- 8. Souvenir shops and stands, not including any zoological displays, or permanent open storage and display of manufacturing goods.
- 9. Stores, shops, markets, service facilities, in which goods or services of any kind, including indoor sale of motor vehicles (provided that

c. No Site Development Plan, Site Development Concept Plan or Site Development Section Plan shall be approved which will result in parking provided at less than the amount set forth in prior paragraphs. 2. Construction Parking

- a. The streets surrounding this development and any street used for construction access thereto shall be cleaned throughout the day. The developer shall keep the road clear of mud and debris at all times.
- b. Provide adequate off-street stabilized parking area(s) for construction employees and a washdown station for construction vehicles entering and leaving the site in order to eliminate the condition whereby mud fro construction and employee vehicles is tracked onto the pavement causing hazardous roadway and driving conditions
- 3. Parking lots shall not be used as streets.
- 4. On street parking allowed as shown on Exhibit 1 D. LANDSCAPE AND TREE REQUIREMENTS
- 1. The developer shall adhere to the Tree Manual of the City of Chesterfield Code with the following exception
- a. The required landscape buffer along Chesterfield Parkway and Chesterfield Airport Road will be based on the approved streetscape and street cross-sections as shown on Exhibit 1.
- 2. Individual landscape plans shall be coordinated and consistent with a landscape concept plan for the applicable category in accordance to Section I.P.5. of this ordinance. These plans should enhance the pedestrian experience, complement architectural features, provide shade and screen utility areas.
- E. SIGN REQUIREMENTS
- . Sign packages shall be required for each Site Development Section plan in this development. Each individual sign package shall be reviewed and approved by the City of Chesterfield Planning Commission. Individual sign packages shall be coordinated and consistent with a signage concept plan for the applicable category in accordance to Section I.P.5. of
- this ordinance. 3. Ornamental Entrance Monument construction, if proposed, shall be reviewed by the City of Chesterfield for sight distance considerations prior to installation or construction
- F. LIGHT REQUIREMENTS 1. Provide a lighting plan in accordance with the City of Chesterfield Code.

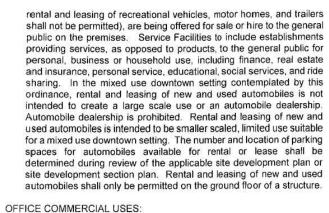
# Page 15 of 1

- 15. Address trees and landscaping in accordance with the City of Chesterfield
- 16. Provide a lighting plan in accordance with the City of Chesterfield Code.
- 17. Comply with all preliminary plat requirements of the City of Chesterfield Subdivision Regulations per the City of Chesterfield Code.
- 18. Signed and sealed in conformance with the Stale of Missouri Department of Economic Development Division of Professional Registration, Missouri Board for Architects, Professional Engineers and Land Surveyors
- requirements. 19. Provide comments/approvals from the appropriate Fire District, the St. Louis County Department of Highways and Traffic, Spirit of St. Louis Airport and the Missouri Department of Transportation.
- 20. Provide proposed hours of operation and delivery. V RECORDING
- Within 60 days of approval of any development plan by the City of Chesterfield, the approved Plan will be recorded with the St. Louis County Recorder of Deeds. Failure to do so will result in the expiration of approval of said plan and require re-approval of a plan by the Planning Commission.
- VI ENFORCEMENT A. The City of Chesterfield, Missouri will enforce the conditions of this ordinance in accordance with the Site Development Concept Plan and Site Development Section Plans approved by the City of Chesterfield and the terms of this Attachment A
- B. Failure to comply with any or all the conditions of this ordinance will be adequate cause for revocation of approvals/permits by reviewing agencies and the City of Chesterfield.
- C. Non-compliance with the specific requirements and conditions set forth in this Ordinance and its attached conditions or other Ordinances of the City of Chesterfield shall constitute an ordinance violation, subject, but not limited to, the penalty provisions as set forth in the City of Chesterfield Code. D. Waiver of Notice of Violation per the City of Chesterfield Code.
- F. This document shall be read as a whole and any inconsistency to be interpreted to carry out the overall intent of this Attachment A.

A TRACT OF LAND BEING PART OF U.S. SURVEYS 123, 415 AND 2031 AND PART OF LOT C120 OF "CHESTERFIELD VILLAGE AREA A PHASE ONE PLAT TWO" IN TOWNSHIP 45 NORTH - RANGE 4 EAST, CITY OF CHESTERFIELD. . LOUIS COUNTY, MISSOURI AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS

COMMENCING AT THE SOUTHWEST CORNER OF PROPERTY DESCRIBED IN THE DEED TO CHESTERFIELD VILLAGE, INC. RECORDED IN BOOK 6881 PAGE 1745 OF THE ST. LOUIS COUNTY RECORDS; THENCE NORTHWARDLY ALONG THE WEST LINE OF AFORESAID CHESTERFIELD VILLAGE, INC. PROPERTY BEING ALSO THE EAST LINE OF PROPERTY DESCRIBED IN THE DEED TO RICHARD B GODWIN RECORDED IN BOOK 2444 PAGE 731 OF THE ST. LOUIS COUNTY RECORDS NORTH 00 DEGREES 02 MINUTES 30 SECONDS EAST 302.54 FEET TO A POINT ON THE SOUTH LINE OF RELOCATED WILD HORSE CREEK ROAD OF VARYING WIDTH AS SHOWN ON THE "WILD HORSE CREEK ROAD DEDICATION PLAT" RECORDED IN PLAT BOOK 354 PAGES 865 AND 866 OF THE ST LOUIS COUNTY RECORDS AFORESAID POINT BEING THE TRUE POINT OF BEGINNING OF THE TRACT HEREIN DESCRIBED; THENCE EASTWARDLY ALONG AFORESAID SOUTH LINE THE FOLLOWING COURSES AND DISTANCES: NORTH 00 DEGREES 02 MINUTES 30 SECONDS EAST 5.31 FEET, ALONG A CURVE TO THE LEFT, WHOSE RADIUS POINT BEARS NORTH 19 DEGREES 51 MINUTES 11 SECONDS WEST 991.00 FEET FROM THE LAST MENTIONED POINT, A DISTANCE OF 19.25 FEET, NORTH 79 DEGREES 48 MINUTES 05 SECONDS EAST 84.71 FEET, ALONG A CURVE TO THE RIGHT, WHOSE RADIUS POINT BEARS SOUTH 15 DEGREES 42 MINUTES 05 SECONDS EAST 907.00 FEET FROM THE LAST MENTIONED POINT, A DISTANCE OF 320.45 FEET, NORTH 04 DEGREES 32 MINUTES 30 SECONDS EAST 12.00 FEET, ALONG A CURVE TO THE RIGHT. WHOSE RADIUS POINT BEARS SOUTH 04 DEGREES 32 MINUTES 30 SECONDS WEST 919 00 FEET FROM THE LAST MENTIONED POINT, A DISTANCE OF 623.36 FEET TO A POINT ON THE WEST LINE OF PROPERTY DESCRIBED IN THE DEED TO CHESTERFIELD AIRPORT ROAD GROUP PARTNERSHIP RECORDED IN BOOK 8296 PAGE 1439 OF THE ST. LOUIS COUNTY RECORDS: THENCE SOUTHWARDLY ALONG AFORESAID WEST LINE SOUTH 00 DEGREES 38 MINUTES 59 SECONDS WEST 323.47 FEET TO A POINT; THENCE NORTH 45 DEGREES 14 MINUTES 46 SECONDS EAST 232.33 FEET TO A POINT ON THE SOUTHWEST LINE OF CHESTERFIELD AIRPORT ROAD OF VARYING WIDTH; THENCE ALONG THE RIGHT-OF-WAY LINE OF CHESTERFIELD AIRPORT ROAD THE FOLLOWING COURSES AND DISTANCES: ALONG A CURVE TO THE LEFT. WHOSE RADIUS POINT BEARS NORTH 41 DEGREES 26 MINUTES 45 SECONDS EAST 1181.92 FEET FROM THE LAST MENTIONED POINT, A DISTANCE OF 25.00 FEET, SOUTH 49 DEGREES 45 MINUTES 58 SECONDS EAST 4.14 FEET, SOUTH 44 DEGREES 11 MINUTES 16 SECONDS EAST 3.70 FEET, SOUTH 49 SECONDS 40 MINUTES 42 SECONDS EAST 36.63 FEET, SOUTH

40 DEGREES 19 MINUTES 18 SECONDS WEST 20.00 FEET. SOUTH 49



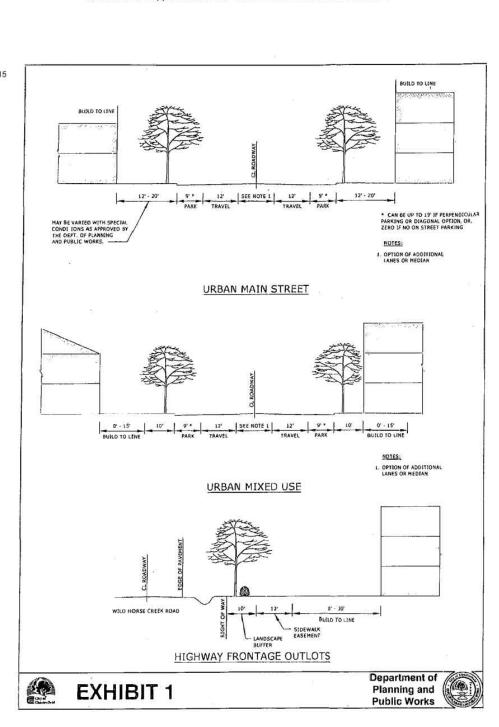
Page 2 of 15

Page 9 of 15

- 1. Animal hospitals and veterinary clinics.
- 2. Broadcasting studios for radio and television.
- 3. Hospitals. 4. Medical and dental offices.
- 5. Offices or office buildings.
- RESIDENTIAL USES:
- Residential uses may be integrated vertically or horizontally with commercial uses. When integrated vertically with commercial uses, dwelling units shall be above the commercial uses; such dwelling units shall be multiple-family.
- Dwellings, single-family Dwellings, two-family
- 3. Dwellings, multiple-family, row houses, and other group-house
- arrangements of attached or detached buildings. Home occupations.
- CIVIC USES:

Page 8 of 15

- 1. Auditoriums, religious facilities, clubs, lodges, meeting rooms, libraries, reading rooms, theaters, or any other facility for public assembly
- 2. Individual lighting plans including fixture types shall be consistent with a lighting fixture plan for the applicable category in accordance to Section I.P.5. of this ordinance. The proposed lighting fixture plan must provide for consistent and complementary fixture designs and styles throughout the District and with the standards already established in Chesterfield Village.
- G. ARCHITECTURAL REQUIRMENTS 1. The developer shall submit a design package including but not limited to, architectural elevations, colored renderings and building materials. The proposed package shall give consideration to creating a visually-appealing levelopment pattern consistent with the intent and purpose of this PC&F District. Architectural information is to be reviewed by the Architectural Review Board and is subject to approval by the Planning Commission.
- 2. Building facades should be articulated by using color, arrangement or change in materials to emphasize the façade elements. The planes of the exterior walls may be varied in height, depth or direction. Extremely long facades shall be designed with sufficient building articulation and landscaping to avoid a monotonous or overpowering appearance.
- 3. Trash enclosures: The location, material, and elevation of any trash enclosures will be as approved on the Site Development Plan. All exterior trash areas will be enclosed with a six (6) foot high sight-proof enclosure with materials that match the adjacent structures and complemented by adequate landscaping as approved on the Landscape Plan. 4. Mechanical equipment will be adequately screened.
- H. ACCESS/ACCESS MANAGEMENT
- 1. Street and drives related to this development shall be designed and located as directed by the Department of Planning and Development Services.
- 2. The location of streets and access points shall be determined by individual Site Development Section Plans within the PC&R District.
- 3. Any improvements within MoDOT's right of way will require a permit. The entrance geometries and drainage design shall be in accordance with Missouri Department of Transportation (MoDOT) standards.
- I. PUBLIC/PRIVATE ROAD IMPROVEMENTS, INCLUDING PEDESTRIAN CIRCULATION Obtain approvals from the Department of Public Works, the St. Louis County Department of Highways and Traffic and/or the Missouri Department of ransportation as applicable.
- 2. Internal streets and sidewalks shall be constructed in accordance with the street sections approved with this PC&R District as shown on Exhibit 1



DEGREES 40 MINUTES 42 SECONDS EAST 112.45 FEET, ALONG A CURVE O THE LEFT, WHOSE RADIUS POINT BEARS NORTH 40 DEGREES 19 MINUTES 18 SECONDS EAST 1959.86 FEET FROM THE LAST MENTIONED POINT, A DISTANCE OF 301.05 FEET, SOUTH 58 DEGREES 28 MINUTES 42 SECONDS EAST 163.68 FEET, ALONG A CURVE TO THE LEFT, WHOSE RADIUS POINT BEARS NORTH 31 DEGREES 31 MINUTES 18 SECONDS EAST 1959.86 FEET FROM THE LAST MENTIONED POINT, A DISTANCE OF 84.78 FEET AND SOUTH 17 DEGREES 45 MINUTES 50 SECONDS EAST 135.94 FEET TO A POINT ON THE WEST LINE OF CHESTERFIELD VILLAGE PARKWAY 73 FEET WIDE; THENCE SOUTHWARDLY ALONG AFORESAID WEST LINE ALONG A CURVE TO THE LEFT, WHOSE RADIUS POINT BEARS SOUTH 65 DEGREES 36 MINUTES 56 SECONDS EAST 1186.50 FEET FROM THE LAST MENTIONED POINT. A DISTANCE OF 296.65 FEET, SOUTH 10 DEGREES 03 MINUTES 33 SECONDS WEST 1252.38 FEET AND SOUTH 55 DEGREES 03 MINUTES 33 SECONDS WEST 35.36 FEET TO A POINT ON THE RIGHT-OF-WAY OF BURKHARDT PLACE; THENCE ALONG THE RIGHT-OF-WAY OF BURKHARDT PLACE THE FOLLOWING COURSES AND DISTANCES: NORTH 79 DEGREES 56 MINUTES 27 SECONDS WEST 15.00 FEET SOUTH 10 DEGREES 03 MINUTES 33 SECONDS WEST 4.00 FEET ALONG A CURVE TO THE RIGHT. WHOSE RADIUS POINT BEARS NORTH 10 DEGREES 04 MINUTES 13 SECONDS EAST 289.23 FEET FROM THE AST MENTIONED POINT, A DISTANCE OF 244.78 FEET, NORTH 3 DEGREES 26 MINUTES 20 SECONDS WEST 472.64 FEET AND ALONG A CURVE TO THE LEFT, WHOSE RADIUS POINT BEARS SOUTH 58 DEGREES 33 MINUTES 40 SECONDS WEST 568.00 FEET FROM THE LAS MENTIONED POINT, A DISTANCE OF 351.80 FEET, ALONG A CURVE TO THE LEFT. WHOSE RADIUS POINT BEARS SOUTH 23 DEGREES 04 MINUTES 25 SECONDS WEST 818.00 FEET FROM THE LAST MENTIONED POINT, A DISTANCE OF 281.27 FEET TO A POINT; THENCE NORTH 03 DEGREES 22 MINUTES 22 SECONDS EAST 8.50 FEET TO A POINT THENCE ALONG A CURVE TO THE LEFT. WHOSE RADIUS POINT BEARS SOUTH 03 DEGREES 22 MINUTES 22 SECONDS WEST 826.50 FEET FROM THE LAST MENTIONED POINT. A DISTANCE OF 244.40 FEET TO A POINT: THENCE SOUTH 76 DEGREES 25 MINUTES 4 7 SECONDS WEST 99.72 FEET TO A POINT; THENCE ALONG A CURVE TO THE RIGHT, WHOSE RADIUS POINT BEARS NORTH 13 DEGREES 34 MINUTES 13 SECONDS WEST 345.00 FEET FROM THE LAST MENTIONED POINT. A DISTANCE OF 697.80 FEET TO A POINT: THENCE ALONG A CURVE TO THE LEFT, WHOSE RADIUS POINT BEARS NORTH 77 DEGREES 41 MINUTES 01 SECONDS WEST 985.00 FEET FROM THE LAST MENTIONED POINT, A DISTANCE OF 900.59 FEET TO A POINT; THENCE ALONG A CURVE TO THE RIGHT, WHOSE RADIUS POINT BEARS NORTH 49 DEGREES 55 MINUTES 50 SECONDS EAST 345.00 FEET FROM THE LAST MENTIONED POINT. A DISTANCE OF 294.85 FEET TO A POINT; THENCE NORTH 08 DEGREES 53 MINUTES 55 SECONDS EAST 9.88 FEET TO A POINT; THENCE ALONG A CURVE TO THE RIGHT. WHOSE RADIUS POINT BEARS SOUTH 8 DEGREES 06 MINUTES 05 SECONDS EAST 84.61 FEET FROM THE LAST MENTIONED POINT, A DISTANCE OF 89.04 FEET TO A POINT ON THE WEST LINE OF AFORESAID GODWIN PROPERTY, AFORESAID POINT BEING ALSO

# 2. Child care centers, nursery schools, and day nurseries.

#### 3. Colleges and universities. Museums.

- 5. Police, fire, and postal stations.
- 6. Schools for business, professional, or technical training, but not including outdoor areas for driving or heavy equipment training. 7. Schools, public or private kindergarten, elementary, secondary, and collegiate.
- LODGING USES:
- 1. Hotels. PARKING USES:
- 1. Parking areas, including garages, for automobiles, but not including any sales of automobiles or the storage of wrecked or otherwise damaged and immobilized automotive vehicles for a period in excess of seventy-two (72) hours
- PARK AND RECREATIONAL USES: 1. Recreational facilities, indoor and illuminated outdoor facilities, including swimming pools, tennis courts, gymnasiums, and indoor
- 2. Parks, parkways, and playgrounds, public or private not-for-profit. The above uses allowed in this Planned Commercial and Residential
- ("PC&R") District shall be restricted as follows 1. The fishing tackle and bait shop use shall be located adjacent to the lake. This may be a primary or ancillary use located in either a building or a kiosk. If this is used as a primary use, only one such use shall be
- permitted in this District. ANCILLARY USES. These uses shall exclusively serve the guests, patrons, or individuals who are served by a primary permitted use.
- All plans for screening these facilities shall be submitted to the Department of Planning and Development Services for review. No building permit or installation permit shall be issued until these plans have been approved by the Department of Planning and Development Services. 1. Associated work and storage areas required by a business, firm, or service to carry on business operations

## Page 10 of 15

Page 3 of 15

- 3. St. Louis County Department of Highways and Traffic reserves the right to determine road improvements and TGA fees until Concept Review plans are submitted. 4. Pedestrian circulation to be approved by the City of Chesterfield.
- J. TRAFFIC STUDY Provide a traffic study as directed by the City of Chesterfield and/or the Missou Department of Transportation. The scope of the study shall include internal and external circulation and may be limited to site specific impacts, such as the need for additional lanes, entrance configuration, geometries, sight distance, traffi signal modifications or other improvements required, as long as the density of he proposed development falls within the parameters of the City's traffic model. Should the density be other than the density assumed in the model, regional
- issues shall be addressed as directed by the City of Chesterfield. K. POWER OF REVIEW The City Council shall have automatic power of review of site plans for the subject development. The City Council will then take appropriate action relative
- 1. The site shall provide for the positive drainage of storm water and it shall be discharged at an adequate natural discharge point or connected to an
- adequate piped system. 2. Detention/retention and other storm water quantity and quality management measures are to be provided in each watershed as required by the City of Chesterfield. The storm water quantity management facilities, related to floor and channel protection, shall be operational prior to paving of any driveways or parking areas in non-residential development or issuance of building permits exceeding sixty percent (60%) of approved dwelling units in each plat, watershed or phase of residential developments. The location and types of storm water management facilities shall be identified on the Site Development Plan.
- 3. Detention may be required for the entire project site such that the release rates will not exceed the allowable release rates for the post developed peak flow of the 2-year and 100-year, 24 hour storm event. Stormwater must be discharged at an adequate natural discharge point. Wetland mitigation will not be allowable within the detention basin.
- 4. Treatment for water quality and channel protection, in accordance with MSD regulations dated February 2006, shall be required.
- 5. A flood plain (hydraulic study) study may be required.

ON AFORESAID SOUTH LINE OF RELOCATED WILD HORSE CREEK ROAD; THENCE NORTHWARDLY ALONG AFORESAID WEST LINE AND ALONG AFORESAID SOUTH LINE OF RELOCATED WILD HORSE CREEK ROAD NORTH 06 DEGREES 56 MINUTES 30 SECONDS EAST 12.85 FEET TO A POINT; THENCE ALONG A CURVE TO THE LEFT, WHOSE RADIUS POINT BEARS NORTH 12 DEGREES 25 MINUTES 44 SECONDS EAST 996.00 FEET FROM THE LAST MENTIONED POINT, A DISTANCE OF 559.36 FEET TO THE POINT OF BEGINNING AND CONTAINING 77.835 ACRES.

#### A TRACT OF LAND IN U.S. SURVEY 123, TOWNSHIP 45 NORTH - RANGE 4 EAST, ST. LOUIS COUNTY, MISSOURI AND BEING MORE PARTICULARLY DESCRIBED AS: COMMENCING AT THE INTERSECTION OF THE WEST LINE OF PROPERTY

OF CHESTERFIELD VILLAGE, INC., AS DESCRIBED IN THE DEED RECORDED IN BOOK 6881 PAGE 1745 OF THE ST. LOUIS COUNTY RECORDS WITH THE NORTH LINE OF RELOCATED WILD HORSE CREEK ROAD AS SHOWN IN THE "WILD HORSE CREEK ROAD DEDICATION PLAT" RECORDED IN PLAT BOOK 354 PAGES 865 AND 866 OF THE ST. LOUIS COUNTY RECORDS; THENCE NORTHWARDLY ALONG SAID EAST LINE NORTH 00 DEGREES 02 MINUTES 30 SECONDS EAST 551.26 FEET TO A POINT ON THE SOUTHWEST LINE OF CHESTERFIELD AIRPORT ROAD (FORMERLY OLIVE STREET ROAD); THENCE SOUTH 57 DEGREES 18 MINUTES 34 SECONDS EAST 191.41 FEET TO A POINT: THENCE SOUTH 55 DEGREES 38 MINUTES 57 SECONDS EAST 90.12 FEET TO A POINT ON THE EAST LINE OF RELOCATED CHESTERFIELD AIRPORT ROAD AS SHOWN ON SAID "WILD HORSE CREEK ROAD DEDICATION PLAT" RECORDED IN PLAT BOOK 354 PAGES 865 AND 866 BEING THE TRUE POINT OF BEGINNING OF THE TRACT HEREIN DESCRIBED: THENCE NORTHERLY ALONG SAID EAST LINE ALONG A CURVE TO THE LEFT, WHOSE RADIUS POINT BEARS SOUTH 59 DEGREES 01 MINUTES 58 SECONDS WEST 602.96 FEET FROM THE LAST MENTIONED POINT, A DISTANCE OF 85.14 FEET TO A POINT ON THE CENTERLINE OF SAID CHESTERFIELD AIRPORT ROAD: THENCE ALONG SAID CENTERLINE SOUTH 55 DEGREES 38 MINUTES 57 SECONDS EAST 312.75 FEET TO A POINT ON THE WEST LINE OF U.S. SURVEY 123; THENCE NORTHWARDLY ALONG SAID WEST LINE NORTH 00 DEGREES 05 MINUTES 18 SECONDS EAST 888.55 FEET TO A POINT ON THE SOUTHWEST RIGHT OF WAY LINE OF MISSOURI INTERSTATE HIGHWAY 64 (STATE HIGHWAY ROUTE 40 T.R.) OF VARVING WIDTH: THENCE SOUTH 42 DEGREES 03 MINUTES 01 SECONDS EAST 271.15 FEET TO A POINT: THENCE SOUTH 42 DEGREES 13 MINUTES 47 SECONDS EAST 477.80 FEET TO A POINT; THENCE SOUTH 40 DEGREES 02 MINUTES 17 SECONDS EAST 336.56 FEET TO A POINT; THENCE SOUTH 37 DEGREES 12 MINUTES 27 SECONDS EAST 198.40 FEET TO A POINT; THENCE SOUTH 35 DEGREES 44 MINUTES 14 SECONDS EAST 128.95 FEET TO A POINT; THENCE SOUTH 76 DEGREES 41 MINUTES 55 SECONDS WEST 16.52 FEET TO A POINT; THENCE SOUTH

## 2. Automatic vending facilities for Ice and solid carbon dioxide (dry ice); Beverages;

- Confections. 3. Broadcasting, transmitting, or relay towers, studios, and associated
- facilities for radio, television, and other communications. broadcasting, transmitting, or relay towers, studios, and associated facilities for radio, television, and other communications shall comply with applicable City Code requirements and be subject to review and approval with respect to location, screening, mounting, and aesthetic features during review of the applicable site development plan or site development section plan.
- 4. Dry cleaning drop-off and pick-up stations. Film drop-off and pick-up stations.
- 6. Local public utility facilities, provided that any installation, other than poles and equipment attached to the poles, shall be: i. Adequately screened with landscaping, fencing or walls, or any combination thereof; or
- ii. Placed underground; or
- iii Enclosed in a structure in such a manner so as to blend with and complement the character of the surrounding area.
- Research facilities, professional and scientific laboratories, including photographic processing laboratories used in conjunction therewith Satellite dishes. All satellite dishes shall comply with applicable Cit Code requirements and be subject to review and approval with respect
- to location, screening, mounting, and aesthetic features during review of the applicable site development plan or site development section DENSITY LIMITATIONS:
- 1. The cumulative gross floor area for Retail Commercial Uses, Office Commercial Uses, Civic Uses and Lodging Uses in this District shall be limited to not more than 1,700,000 square feet.
- 2. The maximum number of residential units allowable within this District shall be 1,000 units.

# Page 11 of 15

Page 4 of 15

- 6. The petitioner shall provide adequate detention and/or hydraulic calculations for review and approval of all storm water that will encroach on MoDOT right of way. 7. All drainage detention storage facilities shall be placed outside of the City of Chesterfield Planning and Zoning setbacks, or 15 feet from the new or
- existing right of way line, whichever is greater. M. SANITARY SEWER 1. Provide public sewer service for the site including sanitary force mains,
- gravity lines and/or regional pump stations, in accordance with MSD and City of Chesterfield regulations. 2. Extension of public sanitary sewer lines will be necessary to serve this site and proper easements may be required. Private sanitary sewer laterals may not cross property lines.
- 3. Upgrade or replacement of existing downstream storm sewers and outfalls
- 4. This project is in the Caulks Creek Surcharge area and is subject to a surcharge of \$2,750 per acre.
- 5. Encroachments over easements will not be allowed. 6. Formal plan submittal and approval will be required by the MSD prior to the issuance of permits. Formal plan approval is subject to the requirements of detailed review.
- N. GEOTECHNICAL REPORT Provide a geotechnical report, prepared by a registered professional engineer licensed to practice in the State of Missouri, as directed by the Department of
- Planning and Development Services. The report shall verify the suitability o grading and proposed improvements with soil and geologic conditions and address the existence of any potential sinkhole, ponds, dams, septic fields, etc and recommendations for treatment. A statement of compliance, signed and sealed by the geotechnical engineer preparing the report, shall be included on all Site Development Plans and Improvement Plans. O. SUPPLEMENTATION, MODIFICATION, OR ALTERATION OF A CATEGORY STANDARD.
- Upon application from a petitioner, any performance standard provided in this Attachment "A" or required by any other District regulation or Ordinance of the City may be supplemented, modified, or altered in a Site Development Plan or Site Development Section Plan provided such supplement, modification, or alteration will further the purpose and intent of the PC&R District. A public hearing

is not required in the process and recommendation by Planning Commission will

be forwarded to City Council for final approval.

- 34 DEGREES 43 MINUTES 14 SECONDS EAST 34.68 FEET TO A POINT; THENCE SOUTH 24 DEGREES 25 MINUTES 24 SECONDS EAST 129.32 FEET TO A POINT: THENCE SOUTH 14 DEGREES 28 MINUTES 56 SECONDS WEST 134.14 FEET TO A POINT; THENCE SOUTH 03 DEGREES 22 MINUTES 08 SECONDS EAST 145.49 FEET TO A POINT; THENCE SOUTH 40 DEGREES 19 MINUTES 00 SECONDS WEST 105.00 FEET TO A POINT; THENCE SOUTH 87 DEGREES 48 MINUTES 22 SECONDS WEST 81.39 FEET TO A POINT: THENCE SOUTH 40 DEGREES 19 MINUTES 00 SECONDS WEST 20.00 FEET TO A POINT: THENCE NORTH 49 DEGREES 40 MINUTES 43 SECONDS WEST 33.82 FEET TO A POINT; THENCE NORTH 44 DEGREES 11 MINUTES 16 SECONDS WEST 327.23 FEET TO A POINT; THENCE ALONG A CURVE TO THE LEFT, WHOSE RADIUS POINT BEARS SOUTH 39 DEGREES 30 MINUTES 15 SECONDS WEST 991.00 FEET FROM THE LAST MENTIONED POINT, A DISTANCE OF 118.97 FEET TO A POINT; THENCE CONTINUING ALONG A CURVE TO THE LEFT HAVING A RADIUS OF 991.00 FEET, AN ARC LENGTH OF 39.89 FEET, THE CHORD OF WHICH BEARS NORTH 58 DEGREES 30 MINUTES 49 SECONDS WEST, A CHORD DISTANCE OF 39.89 FEET TO A POINT; THENCE ALONG A CURVE TO THE LEFT. WHOSE RADIUS POINT BEARS SOUTH 30 DEGREES 19 MINUTES 17 SECONDS WEST 991.00 FEET FROM THE LAST MENTIONED POINT, A DISTANCE OF 237.03, ALONG A CURVE TO THE LEFT, WHOSE RADIUS POINT BEARS SOUTH 22 DEGREES 06 MINUTES 55 SECONDS WEST 992.54 FEET FROM THE LAST MENTIONED POINT, A DISTANCE OF 125.85
- SOUTH 09 DEGREES 25 MINUTES 07 SECONDS WEST 1003.00 FEET FROM THE LAST MENTIONED POINT, A DISTANCE OF 102.8, NORTH 03 DEGREES 32 MINUTES 47 SECONDS EAST 11.00 FEET, ALONG A CURVE TO THE RIGHT, WHOSE RADIUS POINT BEARS NORTH 03 DEGREES 32 MINUTES 47 SECONDS EAST 94.50 FEET FROM THE LAST MENTIONEI POINT, A DISTANCE OF 130.29 FEET, AND SOUTH 82 DEGREES 32 MINUTES 19 SECONDS WEST 5.00 FEET TO A POINT ON SAID EAST LINE

FEET ALONG A CURVE TO THE LEFT WHOSE RADIUS POINT BEARS

OF RELOCATED CHESTERFIELD AIRPORT ROAD AS SHOWN ON "WILD HORSE CREEK ROAD DEDICATION PLAT" RECORDED IN PLAT BOOK 354 PAGES 865 AND 866; THENCE NORTHERLY ALONG AFORESAID EAST LINE, ALONG A CURVE TO THE LEFT, WHOSE RADIUS POINT BEARS SOUTH 82 DEGREES 32 MINUTES 19 SECONDS WEST 602.96 FEET FROM THE LAST MENTIONED POINT, A DISTANCE OF 247.37 FEET TO THE POINT OF BEGINNING AND CONTAINING 18.280 ACRES MORE OR LESS

## ACCORDING TO CALCULATIONS BY STOCK & ASSOCIATES CONSULTING ENGINEERS, INC. DURING JUNE, 2018.

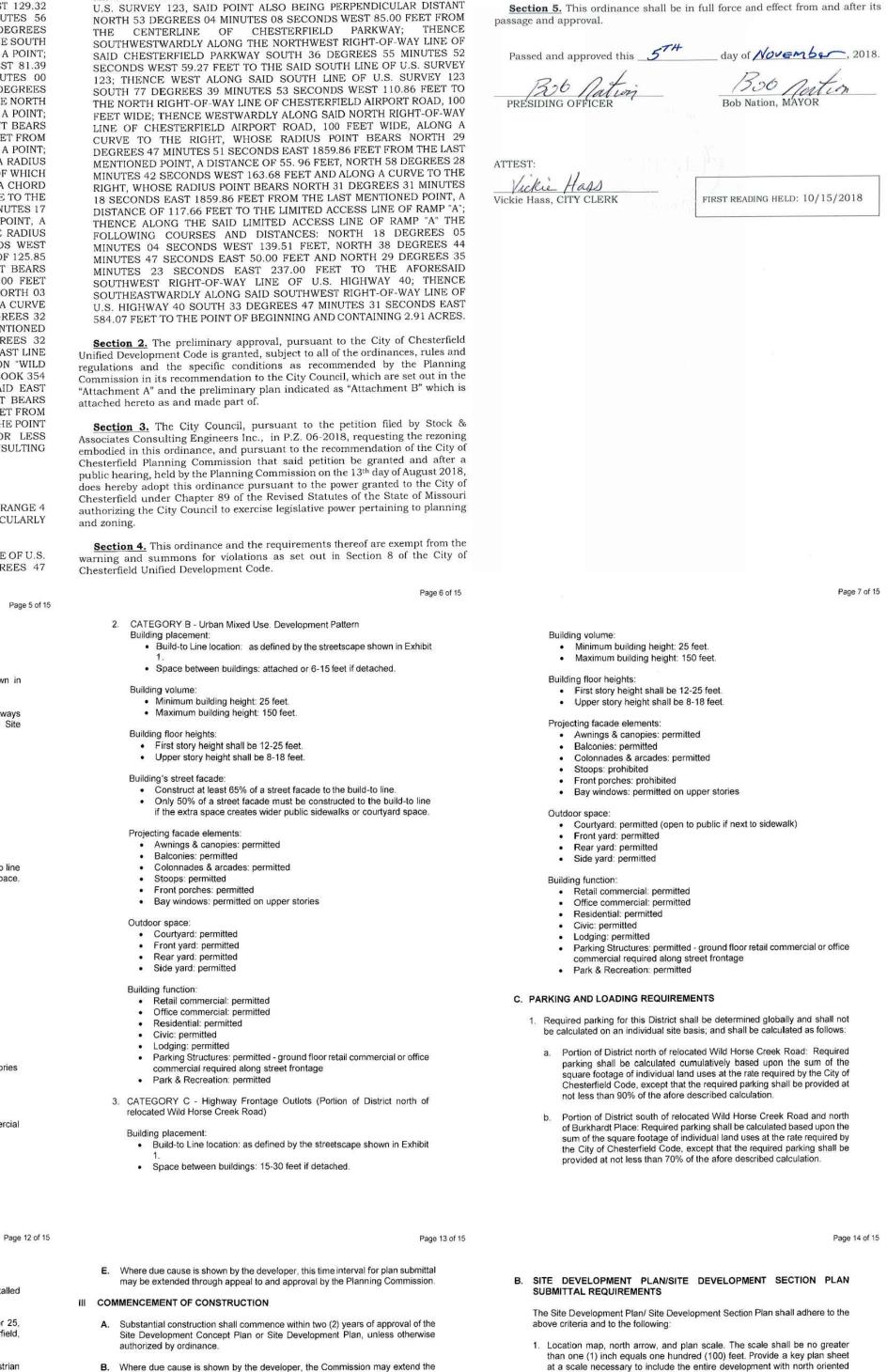
A TRACT OF LAND IN U.S. SURVEY 123, TOWNSHIP 45 NORTH - RANGE 4 EAST, ST. LOUIS COUNTY, MISSOURI AND BEING MORE PARTICULARLY DESCRIBED AS: BEGINNING AT A POINT ON THE SOUTHWEST RIGHT-OF-WAY LINE OF U.S. HIGHWAY 40, SAID POINT BEING DISTANT NORTH 33 DEGREES 47

# B. CATEGORY STANDARDS

- 1. CATEGORY A Urban "Main Street" Development Pattern Building placement: • Build-to Line location: as defined by the streetscape shown in Space between buildings: attached or 6-15 feet if detached. · Extra space between buildings is permitted for major walkways connecting to parking or open space, as approved on the Site Development Section Plan
- Building volume: Minimum building height: 25 feet. Maximum building height: 150 feet.
- Building floor heights: First story height shall be 12-25 feet.
- Upper story height shall be 8-18 feet. Building's street facade: Construct at least 65% of a street facade to the build-to line.
- Only 50% of a street facade must be constructed to the build-to line if the extra space creates wider public sidewalks or courtyard space Projecting facade elements:
- Awnings & canopies: permitted Balconies: permitted · Colonnades & arcades: permitted Stoops: prohibited
- Front porches: prohibited Bay windows: permitted on upper stories
- Outdoor space. Courtyard: permitted (open to public if next to sidewalk Front yard: prohibited
- Rear yard: permitted Side yard: permitted (to allow access from back of lot)
- **Building function** · Retail commercial: required on first story; permitted on upper stories Office commercial: permitted on upper stories Residential: permitted on upper stories
- Civic: permitted Lodging: permitted · Parking Structures: permitted - ground floor retail commercial
- required along street frontage Park & Recreation: permitted

Page 12 of 15

- P. MISCELLANEOUS 1. All new or on-site relocated utilities within the District will be installed underground.
- 2. An opportunity for recycling will be provided. All provisions of Chapter 25, Article VII, and Section 25-122 thru Section 25-126 of the City of Chesterfield,
- Missouri Code shall be required where applicable. Kiosks are allowed in the District provided they do not impede pedestrian traffic on the sidewalk and meet ADA accessibility requirements. Kiosks can be an arrangement of mobile units, fixed units, or a mixture of both joined together to form a structure not to exceed 100 sq. feet. Uses within the kiosk will be the approved uses in this Attachment A. Locations and numbers of
- kiosks shall be as approved on the Site Development Concept Plan or Site Development Plan for the District. 4. Loading docks, overhead doors and service entries will be permitted only on the side or rear of a tenant space. Deliveries shall be made on the side or rear of a tenant space with the exception of designated street delivery and loading areas as approved on the Site Development Plan or the Site Development Concept and Site Development Sections plans.
- 5. One (1) Site Development Concept Plan, Landscape Concept Plan, Signage Concept Plan, and Lighting Fixture Concept Plan shall be submitted for the portions of the District south of the relocated Wild Horse Creek Road (Categories A &B) and one (1) Site Development Concept Plan, one (1 Landscape Concept Plan, Signage Concept Plan, and Lighting Fixture Concept Plan for the portions of the District north of relocated Wild Horse Creek Road (Category C)
- II TIME PERIOD FOR SUBMITTAL OF SITE DEVELOPMENT CONCEPT PLANS AND SITE DEVELOPMENT PLANS A. The developer shall submit a Site Development Concept Plan for the Category affected in accordance to Section I.P.5. of this ordinance within four (4) years of City Council approval of the change of zoning.
- B. In lieu of submitting a Site Development Concept Plan as provided for in Paragraph A in this section, the petitioner may submit a Site Development Plan for the Category affected in accordance to Section I.P.5 of this ordinance within four (4) years of the date of approval of the change of zoning by the City.
- C. Failure to comply with these submittal requirements will require a new public hearing on any plan submittal.
- D. Said Plan shall be submitted in accordance with the combined requirements for Site Development Section and Concept Plans. The submission of Amended Site evelopment Plans by sections of this project to the Planning Commission shall be permitted if this option is utilized.



C. Failure to comply with these construction requirements will result in the expiration of plan approval and will require a new public hearing and new plan approval V GENERAL CRITERIA

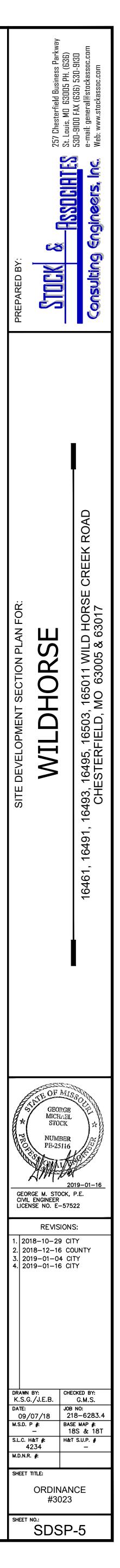
period to commence construction for not more than one additional year.

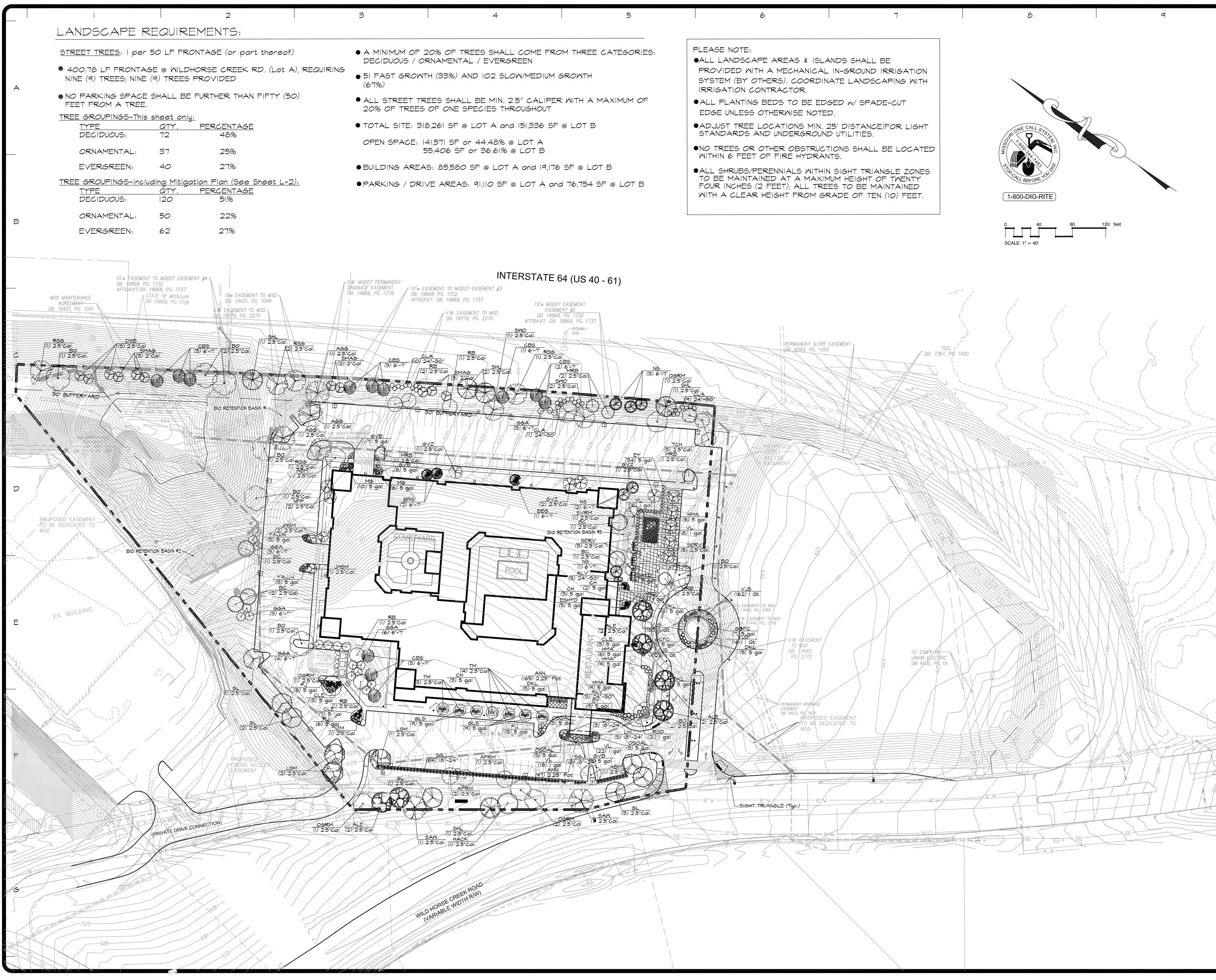
MINUTES 31 SECONDS WEST 41.56 FEET FROM THE SOUTH LINE OF SAI

The intent and purpose of the PC&R District is to have a mix of Commercial and Residential Uses within the District. At the time of the submittal of the Site Development Concept Plan or the Site Development Plan, a proposed standard for assuring the mix shall be submitted and approval of the above plans shall be ontingent on approval of the mix standard by a majority vote of the City Council council's vote on the mix standard may proceed concurrently with Council approval of the above plans. The mix standard shall be consistent with the purpose and inten of the PC&R District which is to create a diverse residential and commercial mixed use environment in which residential and commercial uses can be integrated pursuant to a "downtown" concept that encourages creative and coordinated design and architectural styles, efficient and effective pedestrian circulation, and when people can choose to live, work, eat, shop, enjoy cultural amenities and recreate. Such standard shall be considered a Performance Standard as that term is used in the Planned Commercial and Residence District provisions in the Zoning Code of the City of Chesterfield. Such provisions specifically authorize the supplementation of the Performance Standards in this Attachment "A' when approving the Plan. A. SITE DEVELOPMENT CONCEPT PLAN SUBMITTAL REQUIREMENTS

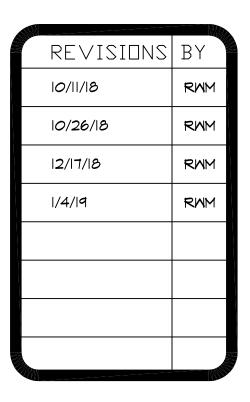
- 1. Any site development concept plan shall show all information required on a preliminary plat as required in the City of Chesterfield Code. 2. Include a landscape concept plan for the applicable category in accordance
- to Section I.P.5 of this ordinance and in accordance with the City of Chesterfield Code 3. Include a lighting plan in accordance with the City of Chesterfield Code.
- 4. Include a signage concept plan for the applicable category in accordance to Section I.P.5. of this ordinance.
- 5 Provide comments/approvals from the appropriate Fire District, the St. Louis County Department of Highways and Traffic, Spirit of St. Louis Airport and the Missouri Department of Transportation.

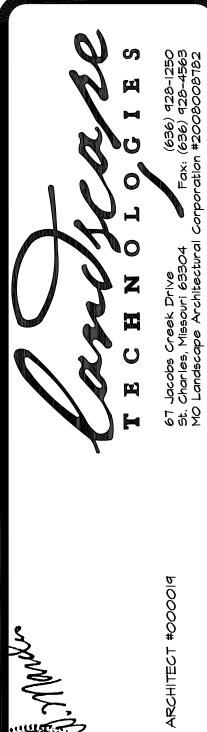
- The Site Development Plan/ Site Development Section Plan shall adhere to the Location map, north arrow, and plan scale. The scale shall be no greater
- vertically to the top of the sheet. 2. Outboundary plat and legal description of property.
- 3. Parking calculations. Including calculation for all off street parking spaces, required and proposed, and the number, size and location for handicap
- A note indicating all utilities will be installed underground.
- 5. A note indicating signage approval is separate process.
- 6. Depict the location of all buildings, size, including height and distance from adjacent property lines and proposed use.
- 7. Specific structure and parking setbacks along all roadways and property
- 8. Indicate location of all existing and proposed freestanding monument signs. 9. Zoning district lines, subdivision name, lot number, dimensions, and area, and zoning of adjacent parcels where different than site.
- 10. Floodplain boundaries.
- 11. Depict existing and proposed improvements within 150 feet of the site as directed. Improvements include, but are not limited to, roadways, driveways and walkways adjacent to and across the street from the site, and significant natural features, such as wooded areas and rock formations, that are to remain or be removed
- 12. Depict all existing and proposed easements and rights-of-way within 150 feet of the site and all existing or proposed off-site easements and rights-ofway required for proposed improvements.
- 13. Indicate the location of the proposed storm sewers, detention basins, sanitary sewers and connection(s) to the existing systems.
- 14. Depict existing and proposed contours at intervals of not more than two (2) foot, and extending 150 feet beyond the limits of the site as directed.

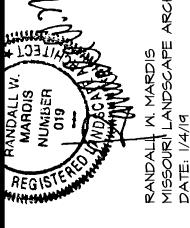




	4	5		6
	OF TREES SHALL COME FRO ENTAL / EVERGREEN	OM THREE CATEGORIES:		IDSCAPE AREAS
=AST GROWTH (33 %)	%) AND 102 SLOW/MEDIUM	GROWTH	SYSTEM	ED WITH A MECHA (BY OTHERS). CC ION CONTRACTOR
	SHALL BE MIN. 2.5" CALIPE INE SPECIES THROUGHOUT	R WITH A MAXIMUM OF		ANTING BEDS TO ILESS OTHERWISE
TAL SITE: 318,261	SF @ LOT A and 151,336 SF	= @ LOT B		TREE LOCATIONS
-	SF or 44.48% @ LOT A 5 SF or 36.61% @ LOT B		ONO TREE	S OR OTHER OB FEET OF FIRE H
LDING AREAS: 85	,580 SF @ LOT A and 19,176	6 SF @ LOT B		UBS/PERENNIALS IAINTAINED AT A

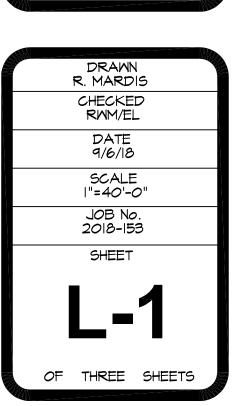


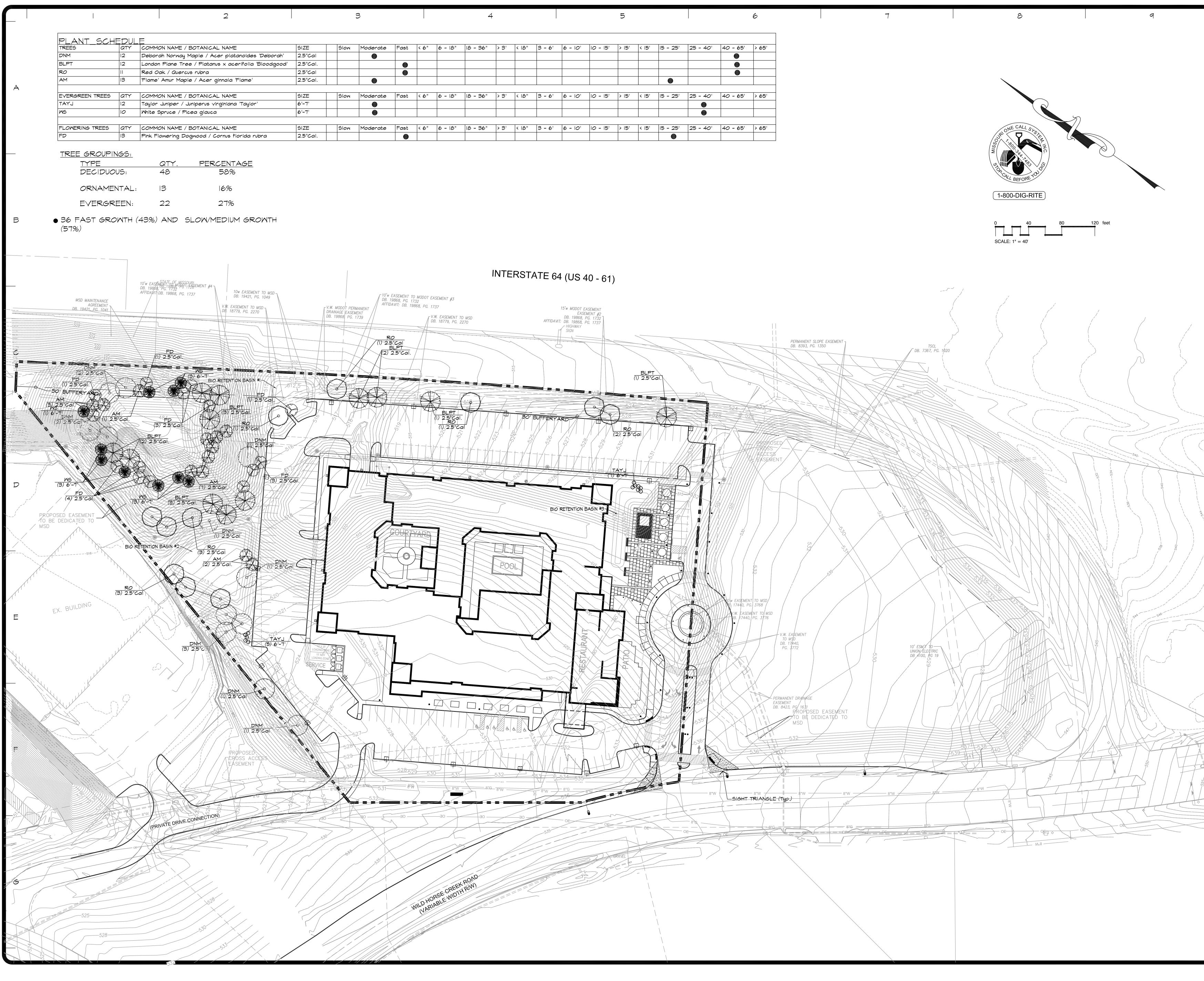




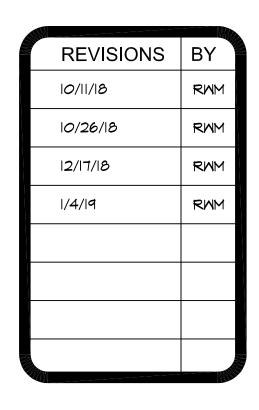




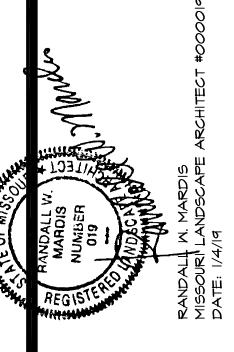




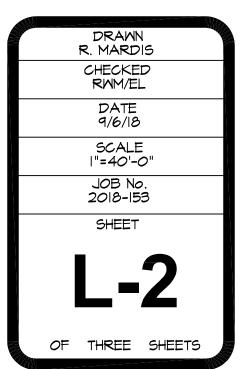
				4				5					6		
ate	Fast	< 6"	6 - 18"	18 - 36"	> 3'	< 18"	3 - 6'	6 - 10'	10 - 15'	> 15'	< 15'	15 - 25'	25 - 40'	40 - 65'	> 65
I															
ate	Fast	< 6"	6 - 18"	18 - 36"	> 3'	< 18"	3 - 6'	6 - 10'	10 - 15'	> 15'	< 15'	15 - 25'	25 - 40'	40 - 65'	> 65
	•	•			•	·	·	·	·	•			•		
ate	Fast	< 6"	6 - 18"	18 - 36"	> 3'	< 18"	3 - 6'	6 - 10'	10 - 15'	> 15'	< 15'	15 - 25'	25 - 40'	40 - 65'	> 65











			SPECS:	2	3
	GENERAL:				MAINTENANCE:
	1.) All natural vegetation shall k interfere with construction or	• the permanent pla	an of operation.		I.) Landscape Contractor shall pr all plants, shrubs, groundcover, of 12 months after acceptance
	Every effort possible shall b or vegetation from damage at all times protect all mate	due to equipment u rials and work aqa	sage. Contractor inst injury to public	shall 2.	2.) Contractor shall ensure that or provide such services and that
A	2.) The landscape contractor sh and sequencing with other sit contractors. Refer to addition	e related work be	ing performed by	other	manner. 3.) Watering of seeded or soddec continue to be provided continu
	work to be done. 3.) Underground facilities, structu approximate only. There may	be others not pres	sently known or		the landscape contractor shall until project turnover.
	shown. It shall be the landsco determine or verify the exist the above (Call utility locatio	ape contractor's re ence of and exact	esponsibility to location of		SIGHT TRIANGLES: 1.) No landscape material or other
	4.) Plant material are to be plan grade as was grown in nurse cultivated to 6" depth minimur	nted in the same re ry conditions.All pla	ationship to anting beds shall k	oe fore	maintained within the sight dista between a height of thirty inche
	planting of plants. Plant grou shrubs planted within the area	ndcover to within 13 a.	2" of trunk of Tree	es or	adjacent street or paving surfo 2.) Sight triangles at the intersection way (except for single family re
	5.) It shall be the landscape cor A.) Verify all existing and pr drawings prior to comme	oposed features s			from the point of intersection c curb lines a distance of 35' and
	B.) Report all discrepancies conditions or proposed o immediately for a decisio	found with regard design to the lands			form the sight triangle area. TOPSOIL:
	C.) Stake the locations of a the approval of the own	ll proposed plant r er's representative			1.) Topsoil mix for all proposed la parts well-drained screened or
	ten (10) days prior to ins 6.) Items shown on this drawing t list. It shall be the landscape	ake precedence o contractor's resp	onsibility to		Canadian sphagnum peat moss topsoil mix to a depth of 6" mir 2.) Provide a soil analysis, as requ
В	verify all quantities and cond this plan. No substitutions of t be accepted without written	ypes or size of pla	ant materials will	ect.	soil-testing agency outlining the matter, deleterious material, pH
	<ul><li>7.) Provide single-stem trees un</li><li>8.) All plant material shall compl</li></ul>	less otherwise note y with the recomme	ed in plant schedul Indations and requ	le.	3.) Any foreign topsoil used shall b brush, stones (larger than 1"), lit toxic material. Landscape contr
	of ANSI Z60.1 "American Star 9.) It shall be the contractor's r the plant material by the Lan	esponsibility to pro	vide for inspectio		for correcting all negative soil Killing and removal of all weeds
	prior to acceptance. Inspect installation. Plants not confor	ions may take plac	e before, during o	pr after	landscape contractor as part of 4.) Landscape contractor to apply planting beds upon completion of
	and shall be replaced at the 10.) All bids are to have unit pric	es listed. The Owne	er has the option		before application of shredded 5.) Install siltation controls prior to
	any portion of the contract p work. This will be a unit price 11.) Should auger equipment be u	contract; quotes s	hall be valid for I	2 months.	operations. Inspect and maintain basis until vegetation is establis
	sides of plant pits shall be t side walls" prior to plant mat	noroughly scarified erial installation.	to avoid creation	of "polished	MISC. MATERIAL:
	12.) All excess topsoil, rocks, del by the general contractor pr	ior to point projec	t is turned over to		of knotholes and defects. 2.) Tree wrap tape shall be 4" min
	landscape contractor to com 13.) Keep all plant material (exc 14.) Landscape contractor shall (	ept turf) a minimum	of 36" clear of fi		damage and winter freezing. Ac shall be used. TURF:
С	<ul> <li>14.) Landscape contractor shall</li> <li>15.) All tags, nursery stakes, labe</li> <li>contractor at completion of</li> </ul>	ls, etc. shall be re	moved by the land		I.) All disturbed lawn areas to be
	16.) Landscape contractor shall k laws / regulations relating to	pe in compliance wi	th all federal, stat		Turf-Type fescue (300# per ac acre). Lawn areas shall be uncc period of 90 days from date o
	17.) All substitutions of plant mate approval.	erial shall be submit	ted to landscape	architect for	'areas more than one square fo be replaced. 2.) Seed and fertilization operat
	PRUNING:	planting. Prune on	ly the crossover l	limbs,	and June 15th or between Se directed by others in writing
	intermingled leaders and/or and lateral branches may be buds of branches that extend	any broken branche pruned. However, d	es. Some interior t do not remove the	Migs	3.) Granular or pelleted fertilize slow release nitrogen, phosp
	2.) All pruning shall comply with , INSURANCE:				composition. 4.) The turf contractor shall be res grade; restore and repair any e
	I.) The landscape contractor sh workman's compensation and		es of insurance fo	or	ówners' approval prior to seédi 5.) Landscape contractor shall offe
	MULCH:	generar nabinty.			in lieu of seed. Sod shall be cut No broken pieces, irregular piec 6.) Any points carrying concentrated
	<ol> <li>All mulch to be shredded oat compaction) unless otherwise of all foreign materials, include</li> </ol>	noted. Mulch shall	be clean and free		15% or greater shall be sodded 7.) All sod shall be placed a maxim 8.) Recondition existing lawn areas
D	2.) No plastic sheeting or filter bark mulch beds. Mirafi fabrid	abric shall be plac	ed beneath shree	dded	including equipment/material stor 9.) Sod Contractor to ensure sod is
	Lap fabric 6" over adjacent 3.) Edge all beds with spade-cu	coverages.	2		paved area elevations to allow WARRANTY:
	EROSION CONTROL BLANKET (\ I.) All seeded areas on slope		:  shall receive	an	I.) All plant material (excluding grou are to be warranted for a perio
	erosion control blanket wh and anchor pins as manufa	ch shall consist c ctured by: Northe	of loose straw ma rn American Gre	at een,	of all landscape material at IOC 2.) Any plant material found to be d within 30 days of notification or
	DS 75 or approved equal. PLUG PLANTING NOTES:	Install per manuf	acturer 5 recomr	nenaations.	that plant. 3.) Only one replacement per tree (
	<ol> <li>All plugs to be 4-1/2" deep 2</li> <li>Plugs are to be planted in a</li> </ol>			anting bar	of the warranty period, unless lo comply with the warranty. 4.) Lawn establishment period will be
	such that the hole is of a min plug and its roots, without da	imum diameter and mage.	depth to accommo	odate the	lawn has been mowed three time period shall commence on the do
	<ul> <li>3.) Plugs shall be spaced in a tr Plugs shall be planted throug</li> <li>4.) Obtain plugs from a reputable</li> </ul>	h erosion control b			100% completion. 5.) A written guarantee shall be pro
	5.) Water plugs upon completion 6.) If planting is delayed more th	of planting so that han six hours after	delivery, store plu	ugs in the	per conditions outlined in #1 abov
E	shade, protect from weather cool. All plugs shall be plante			nem moist and	
				# OF PLANTS	
		<u>SPACING "1</u> 30" 24"	<u>D" ROW "A"</u> 26" 20.8"	<u>PER SQ. FT.</u> 0.16 0.25	
	AGGER ROWS A	18" 15"	5.6"  3"	0.45 0.64	
/ \		2"  の" 8"	10.4" 8.66" 6.93"	1.00 1.44 2.25	
_	PLAN				
	DR SPACING	AT ORIGINAL PLAN 2" DEEP MULCH - K			
		AWAY FROM CROM —Planting Soil N	IN OF PLANT		BIO-RETENTION MAINTENANCE PROCEDURES
		BGRADE			I. ADD 2-4 INCHES OF MULCH (SEE CIVIL D PLANTED RAIN GARDEN/BIO-RETENTION
F	SECTION				THE PERENNIALS. REPLENISH THE MULCH 2. AVOID FINE CUT OR LIGHTER WEIGHT MUL CONDITIONS.
ŧ	ORB/GRASS PL	ANTING D	ETAIL		3. PRUNE ANY DEAD, DISEASED OR DAMAG IS NOTICED. DEADHEAD PLANTS AS NEEL 3-4 YEARS AS NEEDED. LEAVE STEMS A FALL/WINTER TO ADD VISUAL INTEREST
-	I.T.S.				FOR BIRDS. 4. PRUNE THE FOLIAGE OF PERENNIALS WHE AND ORNAMENTAL GRASSES BEFORE NE
					<ol> <li>HAND WEED BIWEEKLY UNTIL PLANTS AR OR SPOT WEEDS AS NECESSARY.</li> <li>WATER THE GARDEN DURING ITS ESTABL</li> </ol>
					ONE INCH OF WATER PER WEEK IS RECO 7. DO NOT USE LAWN FERTILIZERS NEAR G, WEED GROWTH. 8. EACH SPRING MOW AND REMOVE DEAD.
	PLANTING, WATER an				8. EACH SPRING, MOW AND REMOVE DEAD SUPERVISION OF LOCAL FIRE DEPARTME MANAGEMENT).
	WATER AVAILABILITY REQUIRED MINIMUM PLANTING PERIOD SIZE		WATER REQUIREMENT AFTER 3 WEEKS	MAXIMUM MULCH DEPTH	NOTE:
	NO AVAILABILITY TO WATER AFTER DALATE FEB. 2.25"x3.75 OR LATE FEB. 0R UARGER		AN /	1.5" FOR PLUGS	ALL NATIVE GRASS PLUGS ARE TO BE A     CONTRACTOR TO PROVIDE SIGNED AND     APPROVED BY THE PROJECT ENGINEER
	MANUAL WATERING WITH STANDARD SPRINKLER MANUAL WATERING UATE FEB. – EARLY JUNE or SEPT. – & FALL	" 1" (60 MIN.) EVERY 4 DAYS	1" (60 MIN.) EVERY 7 DAYS UNTIL PLANTS ESTABLISHED	1.5" FOR PLUGS 2.5" FOR QUARTS	314/335-2072. • DURING CONSTRUCTION, THE BIO-RETENTI CONSTRUCTION AND PLANTING OF THE B
	AUTOMATIC IRRIGATION – EARLY OR LARGE	5" 1" (60 MIN.) EVERY R 4 DAYS IN SPRING	1" (60 MIN.) EVERY 7 DAYS UNTIL	1.5" FOR PLUGS 2.5" FOR QUARTS	COMPLETED AFTER SILT AND DEBRIS IS • HEAVY EQUIPMENT SHALL BE KEPT OFF OPERATIONS TO AVOID COMPACTING. FO
G		AND FALL	PLANTS – ESTABLISHED	L.U. VIN QUARIS	NATURAL COMPACTION IS ALLOWABLE.
G	(WATER MORE     OCTOBER     IN SPRING       FREQUENTLY THAN     4.5"x5 OR       NORMAL DURING FIRST     LARGER       TWO MONTHS AFTER     IN SUMME	" 1" (60 MIN.) EVERY 3 DAYS IN SUMMER	- ESTABLISHED		<ul> <li>SOIL PH SHALL FALL IN THE RANGE OF 5</li> <li>SEE CIVIL DRAWINGS FOR CROSS-SECTION MAKEUP.</li> </ul>

ndscape Contractor shall provide a separate proposal to maintain plants, shrubs, groundcover, perennials and annuals for a period 12 months after acceptance.

- ntractor shall ensure that only competent and trained personnel shall nner.
- l project turnover.

- jacent street or paving surfaces.
- m the sight triangle area.

- psoil mix to a depth of 6" minimum and grade smooth.
- ter, deletérious material, pH and minéral content.
- correcting all negative soil issues prior to plant installation. dscape contractor as part of this task.
- nting beds upon completion of planting operations and ore application of shredded bark mulch.
- sis until vegetation is established.

vide stakes and deadmen of sound, new hardwood, free knotholes and defects. nage and winter freezing. Additionally, only 3-ply tying material III Бе used.

- disturbed lawn areas to be seeded with a mixture of -Type fescue (300# per acre) and bluegrass (18# per e). Lawn areas shall be unconditionally warranted for a iod of 90 days from date of final acceptance. Bare replaced.
- ected by others in writing 'AND irrigation system is operating.
- position. turf contractor shall be responsible for protection of finished
- eu of seed. Sod shall be cut at a uniform thickness of 3/4".
- or greater shall be sodded.
- ed area elevations to allow for proper drainage. NTY:
- plant.
- one replacement per tree or shrub shall be required at the end he warranty period, unless loss is due to failure to oly with the warranty.
- establishment period will be in effect once the has been mowed three times. Plant establishment od shall commence on the date of acceptance and 6 completion.
- itten guarantee shall be provided to the owner conditions outlined in #1 above.

FINE CUT OR LIGHTER WEIGHT MULCHES AS THEY FLOAT IN WET TIONS. ANY DEAD, DISEASED OR DAMAGED PLANTS AS SOON AS THE PROBLEM ICED. DEADHEAD PLANTS AS NEEDED AND DIVIDE PERENNIALS EVERY EARS AS NEEDED. LEAVE STEMS AND SEED HEADS STANDING IN WINTER TO ADD VISUAL INTEREST AND TO PROVIDE FOOD AND COVER IRDS THE FOLIAGE OF PERENNIALS WHEN THEY DIE BACK FOR THE WINTER RNAMENTAL GRASSES BEFORE NEW GROWTH BEGINS IN THE SPRING. WEED BIWEEKLY UNTIL PLANTS ARE ESTABLISHED. THEREAFTER, REMOVE OT WEEDS AS NECESSARY. R THE GARDEN DURING ITS ESTABLISHMENT AND EXTENDED DRY PERIODS. NCH OF WATER PER WEEK IS RECOMMENDED. T USE LAWN FERTILIZERS NEAR GARDEN AREA AS THIS WILL STIMULATE GROWTH. SPRING, MOW AND REMOVE DEAD VEGETATION. USE BURNING ONLY UNDER VISION OF LOCAL FIRE DEPARTMENT (NATIVE PLANTS THRIVE UNDER FIRE GEMENT). ATIVE GRASS PLUGS ARE TO BE A MINIMUM 4.5" DEEP X 2" DIAMETER ACTOR TO PROVIDE SIGNED AND SEALED SHOP DRAWINGS TO BE OVED BY THE PROJECT ENGINEER AND MSD. CONTACT MSD AT CONSTRUCTION, THE BIO-RETENTION AREAS MAY TRAP SEDIMENT. FINAL RUCTION AND PLANTING OF THE BIO-RETENTION AREAS SHALL BE LETED AFTER SILT AND DEBRIS IS REMOVED. EQUIPMENT SHALL BE KEPT OFF OF THE SOIL MIX DURING CONSTRUCTION ATIONS TO AVOID COMPACTING. FOOT TRAFFIC AND PRE-SOAKING TO AID AL COMPACTION IS ALLOWABLE. H SHALL FALL IN THE RANGE OF 5.5 AND 7. VIL DRAWINGS FOR CROSS-SECTIONAL DETAILS OF MULCH AND SOIL

ovide such services and that such services be provided in a timely

tering of seeded or sodded lawns shall begin immediately and shall ntinue to be provided continuously for the following 72 hours. Regardless, andscape contractor shall be resposible for all landscape maintenance

landscape material or other obstructions shall be placed or be ntained within the sight distance area so as not to impede the vision ween a height of thirty inches (30") and ten feet (10') above the

ht triangles at the intersection of a public street and a private access (except for single family residences) shall also be formed by measuring om the point of intersection of the street frontage curbs and the entrance b lines a distance of 35' and connecting the points so established to

psoil mix for all proposed landscape plantings shall be five (5) ts well-drained screened organic topsoil to one (I) part nadian sphagnum peat moss as per planting details. Roto-till

vide a soil analysis, as requested, made by an independent I-testing agency outlining the % of organic matter, inorganic

foreign topsoil used shall be free of roots, stumps, weeds,

sh, stones (larger than 1"), litter or any other extraneous or kic material. Landscape contractor shall be fully responsible

ing and removal of all weeds shall be the responsibility of the

ndscape contractor to apply pre-emergent herbicide to all

all siltation controls prior to commencement of any grading erations. Inspect and maintain all siltation fences on a weekly

ee wrap tape shall be 4" minimum, designed to prevent borer

as more than one square foot per any 50 square feet shall ed and fertilization operations shall occur between May I June 15th or between September 1 and October 15th unless

anular or pelleted fertilizer consisting of 50% water-insoluble v release nitrogen, phosphorous and potassium in a 12-12-12

de; restore and repair any erosion or water damage and obtain ers' approval prior to seeding or sod installation. dscape contractor shall offer an alternate price for sod

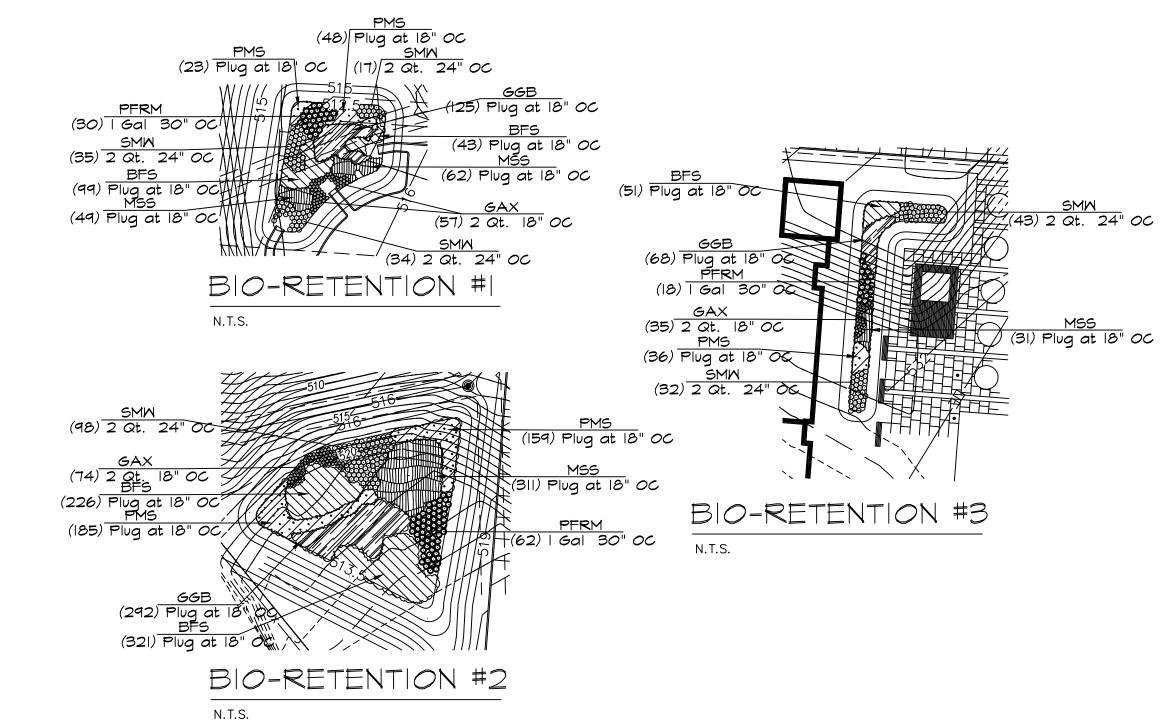
proken pieces, irregular pieces or torn pieces will be accepted. points carrying concentrated water loads and all slopes of od shall be placed a maximum of 24 hours after harvesting.

ondition existing lawn areas damaged by Contractor's operations ding equipment/material storage and movement of vehicles. Contractor to ensure sod is placed below sidewalk and all

olant material (excluding ground cover, perennials and annuals) to be warranted for a period of 12 months after complete installation Il landscape material at 100% of the installed price. olant material found to be defective shall be removed and replaced

n 30 days of notification or in growth season determined to be best for

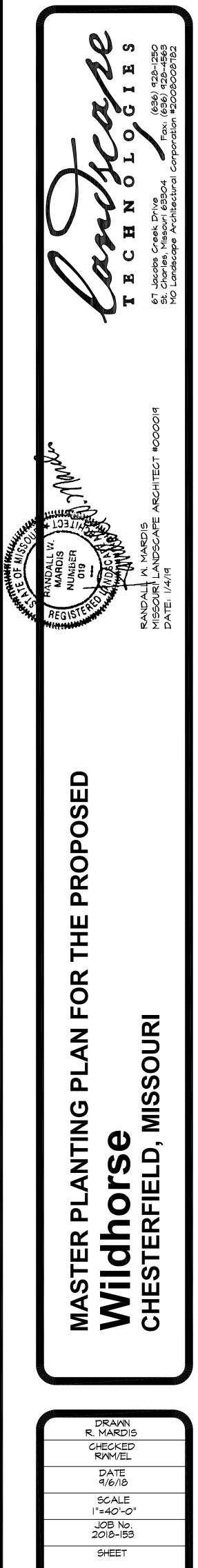
4			5 6				7						8						9	
	PLANT_SCHEI																			
	TREES	/ULL  QTY	COMMON NAME / BOTANICAL NAME	SIZE	Slow	Moderate	Fast	< 6"	6 - 18"	18 - 36"	> 3'	< 18"	3 - 6'	6 - 10'	10 - 15'	> 15'	< 15'	15 - 25'	25 - 40'	40 - 65'
	ALE	6	Athena Lacebark Elm / Ulmus parvifolia 'Emer I'	2.5"Cal															+	
	ABM	2	Autumn Blaze Maple / Acer x freemanii 'Jeffersred'	2.5"Cal.																
	AGG	З	Autumn Gold Ginkgo / Ginkgo biloba 'Autumn Gold' TM	2.5"Cal															+	
	ВС	5	Bald Cypress / Taxodium distichum	2.5"Cal																
	BO	9	Burr Oak / Quercus macrocarpa	2.5"Cal.														<u> </u>		
	НАСК	1	Common Hackberry / Celtis occidentalis	2.5"Cal.																
	GVZ	4	Green Vase Zelkova / Zelkova serrata 'Green Vase'	2.5"Cal															+	
s, 	GL	7	Greenspire Littleleaf Linden / Tilia cordata 'Greenspire'	2.5"Cal.																
ce	LSM	з	Legacy Sugar Maple / Acer saccharum 'Legacy'	2.5"Cal.																
	RSG	5	Rotundiloba Sweet Gum / Liquidambar styraciflua 'Rotundiloba' TM	2.5"Cal.																
	SAW	2	Sawtooth Oak / Quercus acutissima	2.5"Cal.																
	SVRM	1	Sun Valley Red Maple / Acer rubrum 'Sun Valley'	2.5"Cal																
	SMO	з	Swamp White Oak / Quercus bicolor	2.5"Cal.																
	ТМ	8	Tatarian Maple / Acer tataricum	2.5"Cal																
5	AFRM	З	'Autumn Flame' Maple / Acer rubrum 'Autumn Flame'	2.5"Cal																
g	OGRM	5	'October Glory' Maple / Acer rubrum 'October Glory'	2.5"Cal															1	
ce	SHL	5	'Skyline' Locust / Gleditsia triacanthos 'Skyline'	2.5"Cal.																
									-										•	
	EVERGREEN TREES	QTY		SIZE	Slow	Moderate	Fast	< 6"	6 - 18"	18 - 36"	> 3'	< 18"	3 - 6'	6 - 10'	10 - 15'	> 15'	< 15'	15 - 25'	25 - 40'	40 - 65'
	BBS	з	Bakeri Blue Spruce / Picea pungens 'Bakerii'	6'-7'		•					_							<b></b>		'
	CBS	12	Colorado Blue Spruce / Picea pungens 'Glauca'	6'-7'		•										_		1		
	GGA		Green Giant Arborvitae / Thuja plicata 'Green Giant'	6'-7'							_							<u> </u>	<u> </u>	
	NS	6	Norway Spruce / Picea abies	6'-7'														<u> </u>	<u> </u>	
				6175					L 10"			1 10"	2 1	6 101		< IF-1	2 IEI			10 17
	FLOWERING TREES	QTY 3	COMMON NAME / BOTANICAL NAME	SIZE	Slow	Moderate	Fast	< 6"	6 - 18"	18 - 36"	> 3'	< 18"	3 - 6'	0 - 10'	10 - 15'	> 15'	< 15'	15 - 25'	25 - 40'	40 - 65'
	DSB	ר ב	Downy Serviceberry / Amelanchier arborea	2.5"Cal														<b> </b>		·'
	MRB NFP	כ ר	Merlot Redbud / Cercis x 'Merlot'	2.5"Cal.																+'
	RB	- =	Newport Flowering Plum / Prunus cerasifera 'Newport' Redbud / Cercis canadensis	2.5"Cal												-		<b>—</b>		'
	SERV	2	Reabua / Cercis canadensis Robin Hill' Serviceberry / Amelanchier X grandiflora 'Robin Hill'	2.5 Cal																
	SMAG	8	Saucer Magnolia / Magnolia X soulangiana	2"Cal.																
	JWSM	a	Sweetbay Magnolia / Magnolia virginiana 'Jim Wilson'	2.5"Cal.							_								+	
	ТСН	3	Thornless Cockspur Hawthorn / Crataegus crusgalli var. inermis	2.5 Cal.																
		5	morniess Cockspur Hawhorn / Cracaegus crusgain var. mermis	2.5 001.																
	SHRUBS	QTY	COMMON NAME / BOTANICAL NAME	SIZE																
	ALV	6	Alleghany Leatherleaf Viburnum / Viburnum rhytidophyllum 'Alleghany'	24"-30"																
	CLA	30	Chicago Luster Arrowood / Viburnum dentatum 'Chicago Luster'	24"-30"																
	СН	8	China Boy/Girl Holly / Ilex meserveae 'China Boy/Girl' TM	5 gal																
	YAJUN	10	Compact Youngstown Andorra Juniper / Juniperus horizontalis 'Youngstown'	5 gal																
	DKL	21	Dwarf Korean Lilac / Syringa meyeri 'Palibin'	5 gal																
	ESHYD	8	Endless Summer Hydrangea / Hydrangea macrophylla 'Endless Summer' TM	5 gal																
	EY	43	Everlow Yew / Taxus x media 'Everlow'	5 gal																
	GCFC	12	Golden Charm False Cypress / Chamaecyparis pisifera filifera 'Golden Charm	-																
	GVB	20	Green Velvet Boxwood / Buxus 'Green Velvet'	5 gal																
	GLS	18	Gro-Low Fragrant Sumac / Rhus aromatica 'Gro-Low'	5 gal																
	HMA	29	Hetz Midget Arborvitae / Thuja occidentalis 'Hetz Midget'	5 gal																
		8	Lttle Henry Sweetspire / Itea virginica 'Little Henry' TM	18"-24"																
	PJ	17	Procumbens Juniper / Juniperus procumbens 'Nana'	5 gal																
	SGJ	74	Sea Green Juniper / Juniperus chinensis 'Sea Green'	8"-24"																
	CLE	23	'Hummingbird' Summersweet / Clethra alnifolia 'Hummingbird'	5 gal																
	ANNUALS/PERENNIALS	QTY	COMMON NAME / BOTANICAL NAME	SIZE																
	HRD	20	Happy Returns Daylily / Hemerocallis hybrid 'Happy Returns'	l gal																
	RSD	21	Red Stella Daylily / Hemerocallis hybrid 'Red Stella'	l gal																
	VL	74	Variegated Liriope / Liriope muscari 'Variegata'	l gal																
	FORBS	QTY	COMMON NAME / BOTANICAL NAME	SIZE																
	GAX	166	Golden Alexander / Zizia aurea	2 Qt. @ 18" OC																
	PFRM	110	Party Favor Rose Mallow / Hibiscus Iasiocarpos	Gal @ 30" OC																
	SMW	259	Swamp Milkweed / Asclepias incarnata	2 Qt. @ 24" OC																
	GRASSES MG	QTY 16	COMMON NAME / BOTANICAL NAME	SIZE																
		10	Maiden Grass / Miscanthus sinensis 'Gracillimus'	5 gal																
	ROSES	QTY	COMMON NAME / BOTANICAL NAME	SIZE																
	OSOAL	9	OSO Easy At Last Rose / Rosa × 'OSO Easy At Last'	5 Gal.																
r			, , ,																	
ſ	GROUND COVERS	QTY	COMMON NAME / BOTANICAL NAME	SIZE																
		262	Mixed Annuals / Min. of Five Varieties	2.25" Pot																
	UUUUUUUUUU	601	Variegated Japanese Sedge / Carex morrowii 'Aurea-variegata'	I Qt																
	HANNIN (HANN)																			
	NATIVE GRASSES	QTY	COMMON NAME / BOTANICAL NAME	SIZE																
		740	Brown Fox Sedge / Carex vulpinoidea	Plug at 18" OC																
		1																		
		485	Great Green Bulrush / Scirpus atrovirens	Plug at 18" OC																
		453	Morning Star Sedge / Carex grayi	Plug at 18" OC																
				-																
	······································	,451	Palm Sedge / Carex muskingumensis	Plug at 18" OC																
	<u> </u>	<u> </u>																		

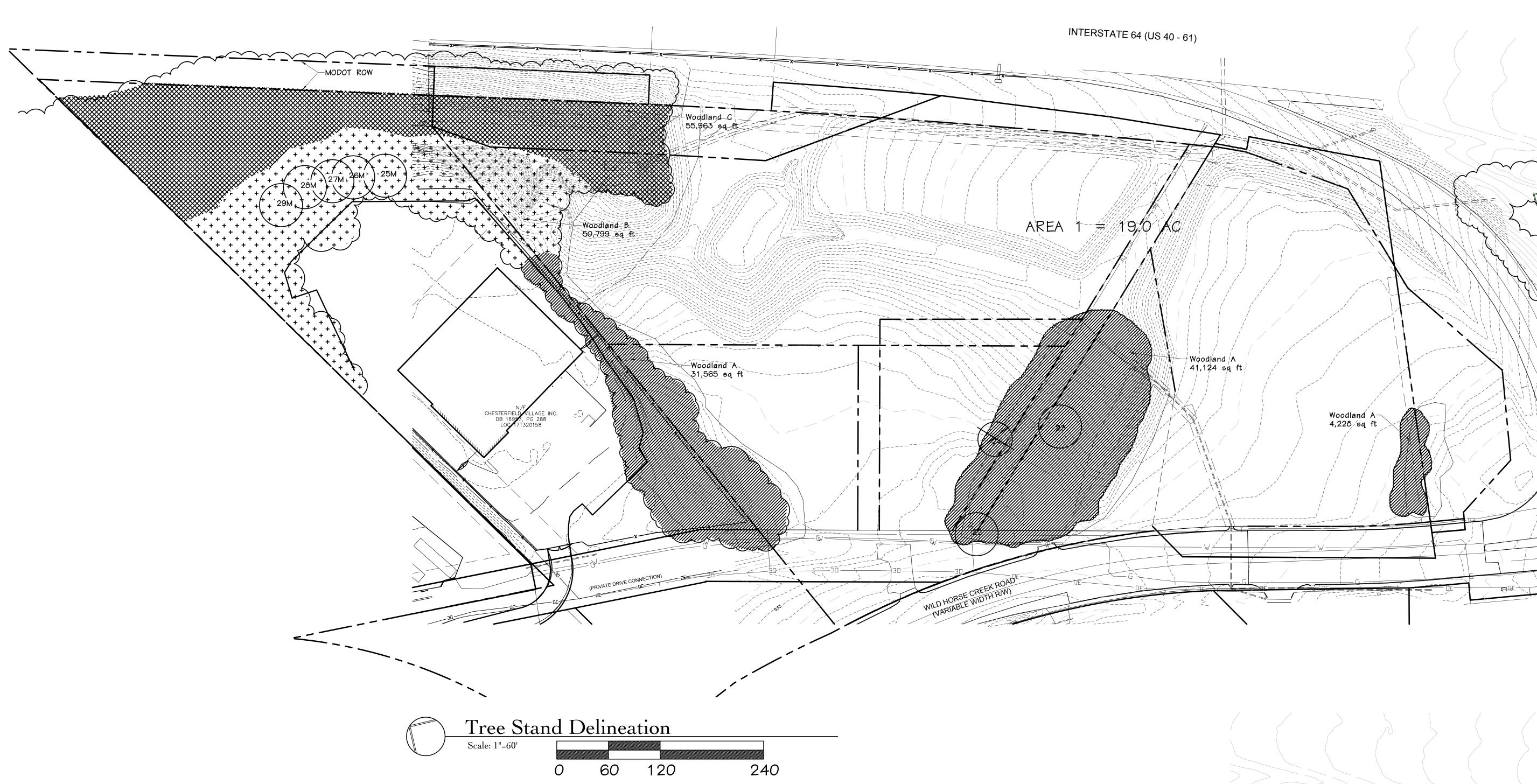


2-4 INCHES OF MULCH (SEE CIVIL DWGS. FOR TYPE) TO THE ENTIRE NEWLY TED RAIN GARDEN/BIO-RETENTION AREA. DO NOT COVER THE CROWNS OF ERENNIALS. REPLENISH THE MULCH AS NEEDED.

>	6	5'		
>	6	5'		
	_			
 >	6	5'	 	
			 _	

		NA.	
REVI	SIONS	ΒY	
10/11/18		RMM	
10/26/18	)	RMM	
12/17/18		RWM	





Project Tree ID	Latin Name	Common Name	DBH	Height (ft.)	Canopy Spread (ft.)
1	Gleditsia triacanthos var inermis	honeylocust thornless	26	41-50	41-50
2	Quercus palustris	oak pin	38	51-60	41-50
3	Morus species	mulberry	12	31-40	31-40
4	Liquidambar styraciflua	sweetgum	26	41-50	31-40
5	Liquidambar styraciflua	sweetgum	30	51-60	41-50
6	Prunus serotina	cherry black	26	41-50	31-40
7	Betula nigra	birch river	8	21-30	13-20
8	Betula nigra	birch river	6	21-30	13-20
9	Betula nigra	birch river	9	21-30	13-20
10	Betula nigra	birch river	10	21-30	21-30
11	Betula nigra	birch river	10	21-30	21-30
12	Prunus serotina	cherry black	10	21-30	21-30
13	Unmusical rubra	elm slippery	14	31-40	31-40
14	Quercus velutina	oak black	14	31-40	31-40
15	Quercus velutina	oak black	12	31-40	31-40
16	Betula nigra	birch river	10	31-40	21-30
17	Morus species	mulberry	12	31-40	21-30
18	Unmusical rubra	elm slippery	12	31-40	21-30
19	Crataegus phaenopyrum	hawthorn washington	6	20-Nov	13-20
20	Crataegus phaenopyrum	hawthorn washington	6	20-Nov	13-20
21	Unmusical rubra	elm slippery	28	41-50	41-50
22	Juglans nigra	walnut black	42	51-60	41-50
23	Juglans nigra	walnut black	40	51-60	41-50
24	Juglans nigra	walnut black	32	41-50	41-50

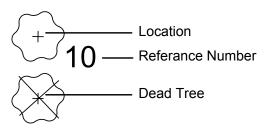
NOTE: These larger trees were located and identified. However, it was determined that none of these met two or more of the criteria to be classified as Monarch trees.

## MONARCH TREE LIST

Project Tree ID	Latin Name	Common Name	DBH	Condition
25	Quercus alba	White Oak	28	Monarch
26	Quercus alba	White Oak	28	Monarch
27	Quercus alba	White Oak	28	Monarch
28	Quercus alba	White Oak	28	Monarch
29	Quercus alba	White Oak	28	Monarch

ft.)	Condition	Number of Stems
	Dead (0)	1
	Poor (50-59)	1
	Fair (60-69)	
	Good (70-79)	1
	Good (70-79)	1
	Fair (60-69)	1
	Fair (60-69)	<b>Multiple Stems</b>
	Fair (60-69)	Multiple Stems
	Fair (60-69)	1
	Fair (60-69)	1
	Fair (60-69)	1
	Poor (50-59)	<b>Multiple Stems</b>
	Fair (60-69)	1
	Poor (50-59)	1
	Fair (60-69)	1
	Fair (60-69)	
	Critical (10-49)	1
	Critical (10-49)	1
	Dead (0)	1

LEGEND



# Tree Stand Delineation Narrative October 22, 2018

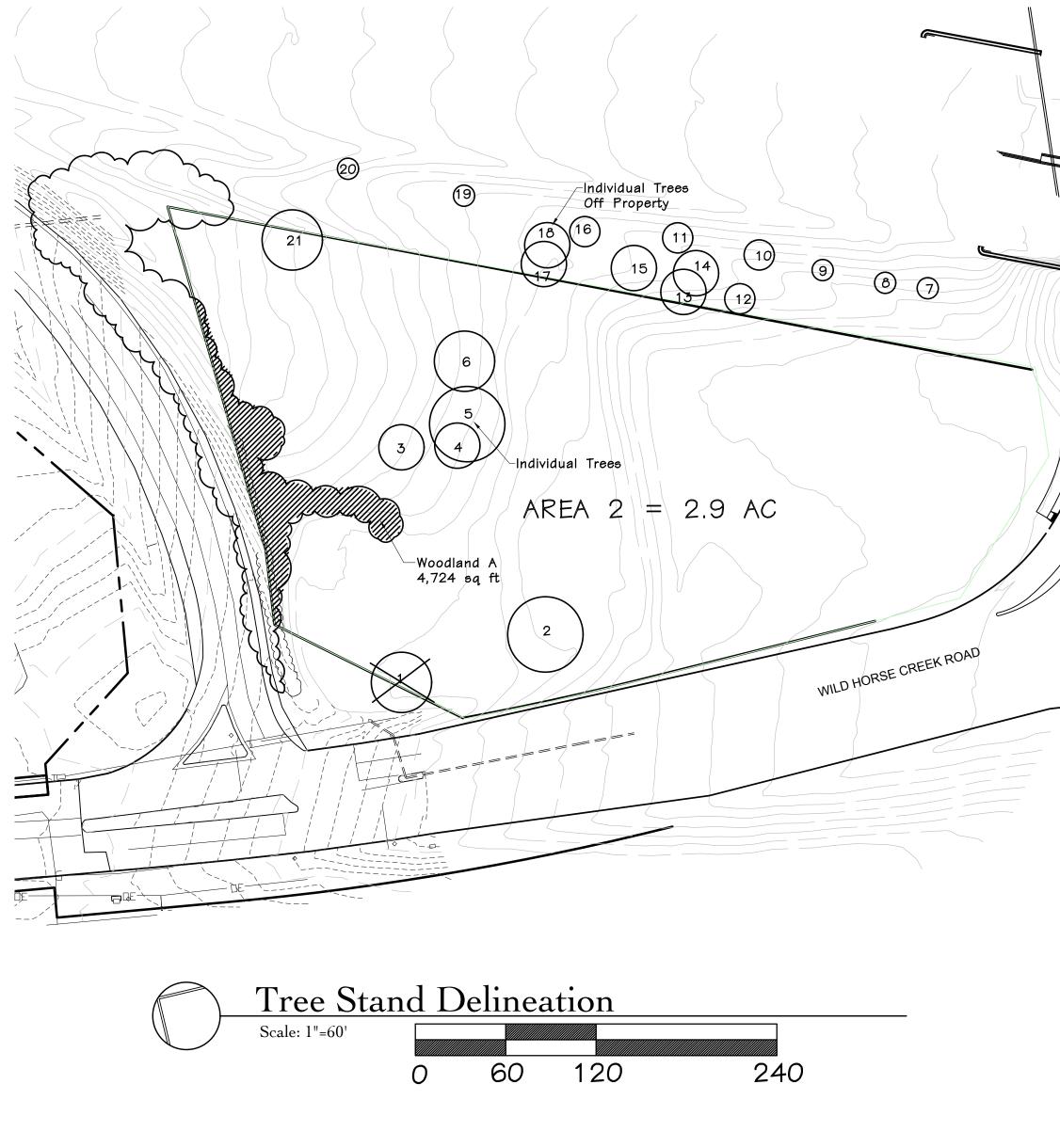
The overall properties comprises a total of 21.91 Ac and has a total of 4.5 AC. of Woodlands. The attached detailed Tree Stand Delineation map was completed by field inspection.

Woodland A : The Woodlands are second growth with scattered canopy trees that are 10-14" diameter and a dense understory of honeysuckle. Canopy species include walnut, elm, Honeylocust and black locust.

Woodland B : The Woodlands are scattered large canopy trees of White and Red oak that are 18-28" diameter. The understory is primarily Sugar Maple that are 3-8" diameter and honeysuckle.

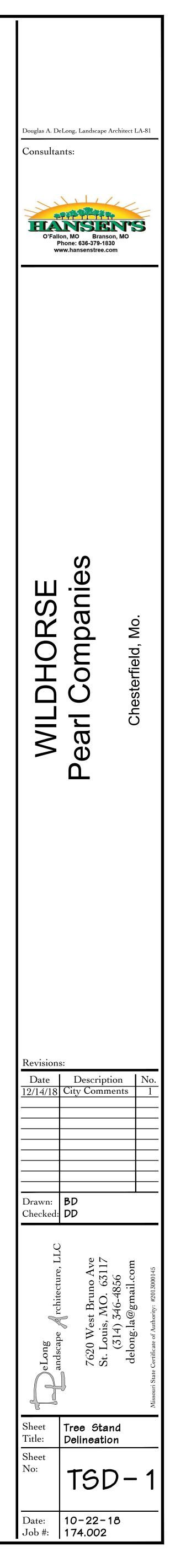
Wodland C : The Woodlands are second growth with scattered canopy trees that are 6-10" diameter and a dense understory of honeysuckle. Canopy species include sycamore, cottonwood, and black locust.

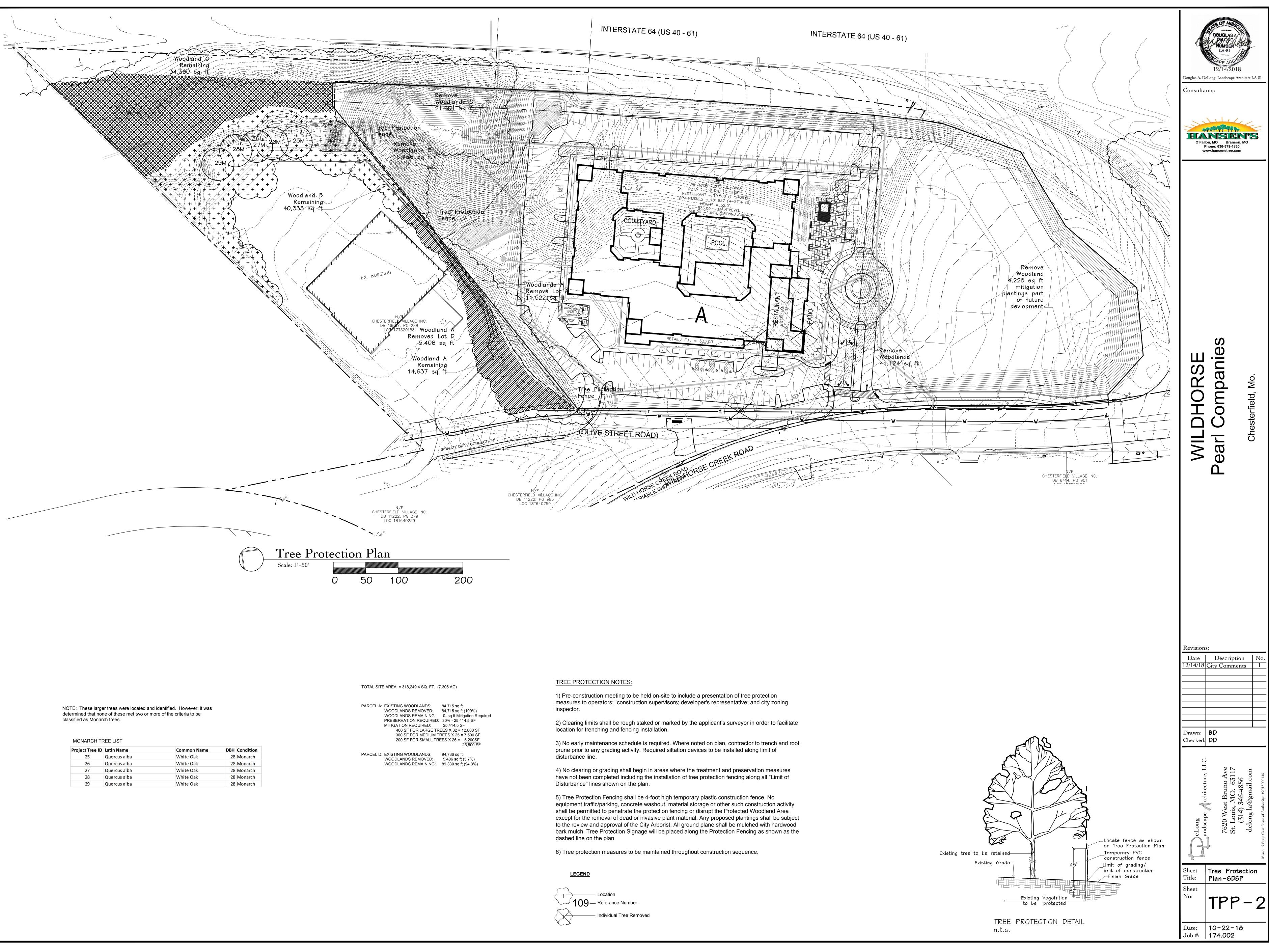
WOODLAND Area 1 = 4.2 Ac. (183,679 sq. ft.) Woodland A = 76,917 sq ft Woodland B = 50,799 sq ft Woodland C = 55,963 sq ft WOODLAND Area 2 = 0.1 Ac. ( 4,724 sq. ft.) INDIVIDUAL TREES = 0.2 Ac. (7,142 sq. ft.) Total Existing Canopy 4.5 Ac (195,545 sq. ft.)



Tree Stand Delineation Prepared under direction of Skip Kincaid of Hansen's Tree Service Certified Arborist MW-0155BW

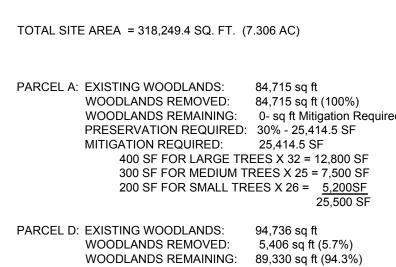


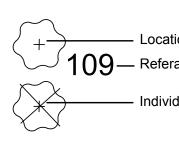


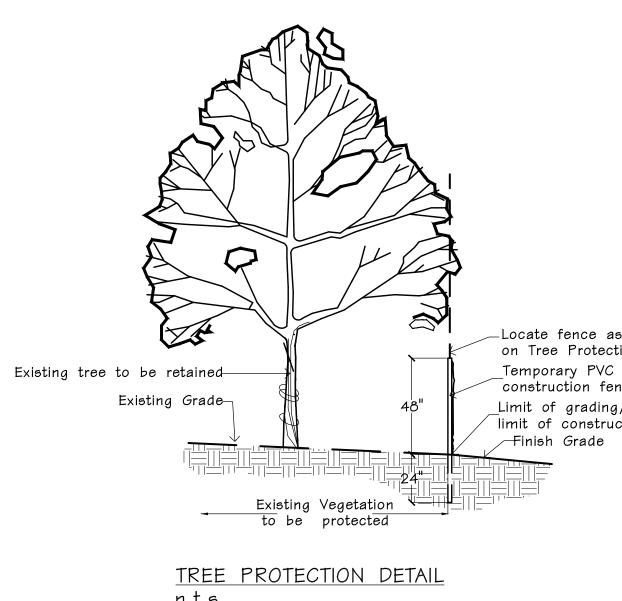


Project Tree ID	Latin Name	Common Name	DBH	Condition
25	Quercus alba	White Oak	28	Monarch
26	Quercus alba	White Oak	28	Monarch
27	Quercus alba	White Oak	28	Monarch
28	Quercus alba	White Oak	28	Monarch
29	Quercus alba	White Oak	28	Monarch

) 50	100	200











October 26, 2018

Joseph M. Knight City Planner City of Chesterfield

Re: The Pearl at Wild Horse Creek TR,i Project #: 18-030 ARCHITECT'S STATEMENT OF DESIGN

To Whom it may concern,

As required by Chesterfield's Unified Development Code the following is our Architect's Statement of Design responding to the Architectural review design standards as they apply to our project.

#### General requirements for site design:

- Site relationships: The proposed development is located between Interstate 64 and Wild Horse Creek Road adjacent to the East bound I-64 off ramp. The only parcel with direct connection to the site is an existing warehouse development to the west. There are two vehicular access points to the site. The primary vehicular access is via full service curb cut on Wild Horse Creek Road. A secondary access is provide extending west through the existing warehouse site to connect to this development to Old Chesterfield Road. A future hotel use is depicted on the east side of the site plan to demonstrate the over-all site development concept. The proposed and future buildings are organized on the site to define an outdoor space. A water feature will anchor the center of the outdoor space along with a roundabout, which will serve to calm vehicular speed and provide for distribution of traffic within the development. In the center of the proposed development would be a plaza, comprised of a round-a-bout, public art, sidewalks, and park benches. This would be the focal point as one enters the development. All vehicles entering the development would navigate through the round-a-bout, similar to Carondelet Plaza in Clayton, Missouri. The proposed buildings will surround the plaza and bring a "downtown" feel to the area and further the intent of the PC&R by promoting efficient and effective pedestrian and vehicle circulation. Parking for the development will be both surface and below grade garage parking. Residents would utilize the garage while the surface parking would be used by patrons of the restaurant and boutique retail. A valet service will also be a component of the restaurant.
- 2. Circulation system and access: The site organization emphasizes pedestrian connectivity of uses. Pedestrian access to the site is provide via a sidewalk running the length of the property

ARCHITECTURE | INTERIORS | PLANNING | CONSULTING | GRAPHICS

City Planner City of Chesterfield ARCHITECT'S STATEMENT OF DESIGN Page 2 October 26, 2018

along Wild Horse Creek Road. The development plan includes separation between vehicular circulation and pedestrian circulation with a network of public sidewalks within the development. The comprehensive pedestrian circulation system connects street to building, parking areas to building and building use to building use. Parking areas are distributed throughout the site to minimize impact, with forty eight percent (48%) of the proposed initial phase parking being located below the building, away from public view. Landscaping is used along both the internal and external network of sidewalks to add interest to the pedestrian experience. The design incorporates extensive landscaping along the interstate and Wild Horse Creek Road, which can be extended to adjacent properties as they are developed/re-developed, thus providing site connectivity and continuity.

- 3. Topography: The existing topography slopes from a southern high point down approximately 34 feet to the north on the buildable area of the site. There is approximately 31 feet of additional fall to the northern tip of the site. Modification to the grade is being proposed without the use of site retaining walls. The natural slope of the site is being utilized to facilitate parking below the building. Other slope modifications provide for handicapped pedestrian accessibility throughout the improved areas of the site. Extensive landscaping is used for screening, buffering, and enhancement to the site.
- 4. Retaining walls: No retaining walls are being proposed.

#### General requirements for building design:

- 1. Scale: There are currently no adjacent projects that set a precedent for development consistent with the City of Chesterfield design standards. The site is located between Interstate 64 and Wild Horse Creek Road. This creates the need for the project to express a scale appropriate to fit the smaller scale, more pedestrian oriented feel needed along the Wild Horse Creek Road frontage and the larger highway scaled projects along the I-64 frontage. The façade facing Wild Horse Creek Road utilizes a variety of building form, height and materials to create a dynamic and engaging expression to the public. The I-64 frontage maintains a similar level of animation and use of quality building materials making that facade commensurate with neighboring highway developments.
- 2. Design: The building design and finishes are coordinated on all sides of the building. The project has a unique character without influence of any corporate identity. The different components of this mixed-use building have individual identities. The proposed restaurant space on the southeast corner features a glass enclosed corner stair leading up and a second-floor bar/dining area with rooftop patio space. The first floor commercial along Wild Horse Creek Road projects from the building forming a continuous roof patio space utilized by the residents above. Decorative lighting, glass storefront, cultured stone and brick are used to create a pedestrian friendly facade. The individual residential living spaces are expressed by building façade offsets, changes in parapet height, balconies, material and color changes.
- 3. Materials and Colors: Warm earth tone finishes are used throughout the exterior design that are neutral and compatible with many other pallets. The materials include brick, cultured stone, cementitious siding, aluminum storefront, clear low-e glass, architectural windows and doors. Brick cornice and other masonry details are used consistently on all sides of the building.

City Planner City of Chesterfield ARCHITECT'S STATEMENT OF DESIGN Page 3 October 26, 2018

- 4. Landscape design and screening: Landscaping is used along the street to create connectivity to adjacent sites. Within the site landscaping is used to enhance the pedestrian experience, screen the service areas, and soften the building's base where it meets the site.
- 5. Signage: It is understood that signage is reviewed separately.
- 6. Lighting: All exterior lighting will be fully cut off and will adhere to Chesterfields UDC. Cut sheets of the lighting are included for review, they complement the buildings style.

I trust this information meets your needs. Please advise if you have any questions or comments.

Respectfully,

19

Daniel Tate Senior Design Architect





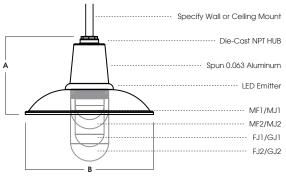
WILDHORSE

CHESTERFIELD, 18.030 MISSOURI 02.01.19

## BUILDING PERSPECTIVE







#### Dimensioned with SW1509LW

SERIES	A	В
SW1509LW SW1910LW	8.0 9.1	14.5 18.7

#### SHORT WAREHOUSE SHADE

A

CLASSIC SERIES / 2000 LUMENS



# SW-LW - EXTERIOR / WET LOCATION APPLICATION

The Short Warehouse Shade is a shallow version of most popular Warehouse Shades. LW Series is designed for outdoor wet location.

#### FEATURES

Spectrum Lighting's RLM Classics are reproductions of early American lighting fixtures reimagined with modern LED light sources and materials. The wide range of options for illumination, mounting, enclosures, guards and finishes allows for creative fixture specification and design. LED module and driver are serviceable for future replacement. Fixture available in two sizes.

#### FINISH

Multi-stage polyester powder-coat process applied on our dedicated paint lines. Variety of standard and custom finishes are available. Matte White interior standard. Custom Color interior finishes available.

#### ELECTRONICS

LW LED system features high brightness white Nichia LED's. 3 step MacAdam Ellipse binning. Standard CRI: 85+. Higher CRI, R9 and custom LED configurations are available; consult factory. Choice of electronic 120V/277V and dimming drivers.

#### CONSTRUCTION

Fixture shades are spun in our factory from 0.063 high purity aluminum. Wall mount canopies are die-cast aluminum with stainless steel hardware. Wall arms are formed 3/4 NPT aluminum pipe.

#### CODE COMPLIANCE

ARRA Compliant. ETL/CSA listed for wet locations. Manufactured and tested to UL standards No. 1598/8750.

WATTAGE / LUMENS DATA											
PART NUMBER	SOURCE LUMENS <sup>1</sup>	SYSTEM WATTS									
SW1509LW10L	1000	8.1									
SW1509LW20L	2000	15.8									

SERIES	LUME	ENS <sup>1</sup>	С	СТ	DRI	VER / DIMMING <sup>2</sup>	A			MOUNTING⁵	IN	ITERIOR		FINISH
SW1509LW	10L 100	100 Lm 3	ок	3000K	EX	Electronic Driver,		10L MAX		WALL MOUNT	MWI <sup>9</sup>	White	GW	Gloss White
SW1910LW	<b>20L</b> 200	4	ок	3500K 4000K 5000K	D\$10X	120V/277V 10%, 0-10V, 120V/277V 1%, ELV/MLV 120V	MJ1 FJ14 GJ1	3"x3" Frosted Glass 3"x3" Clear Glass 3"x6.5" Frosted Glass 3"x6.5" Clear Glass 20L MAX 4"x4" Frosted Glass	CP104KO <sup>5</sup> CP6/RMD PA_ <sup>7</sup>	Small Driver Canopy Canopy with 4 Feed Holes Remote Driver Canopy Mounting Arm Style CEILING MOUNT Small Driver Canopy	PTI SNI GAI ORI YLI	Black Platinum Sun Gold Galvanized Orange Yellow Blue	MB BZ PT GA CH	Matte White Matte Black Bronze Platinum Silver Galvanized Charcoal Sun Gold
							FJ2 <sup>4</sup>	4"x4" Clear Glass 4"x8" Frosted Glass 4"x8" Clear Glass		Hang Straight Rigid Pendant Mount	GRI RDI CCI <sup>10</sup>	Green Red Custom Color Fixture Color Interior	EG BL AY RD CO	Evergreen Blue Streak Aero Yellow Red Baron Copper Metallic Custom Color

#### EXAMPLE: SW1910LW10L35KEXFJ1RDC5HM36MB

#### NOTES:

1 Nominal Source Lumens at 3500K
 2 Contact Factory for Additional Options
 3 See Enclosures & Guards Page for Wire Guards and Additional Options
 4 Standard Enclosure
 5 See Mounting Pages for EM Options and Details on Components and Finishes
 6 Required for All Drivers
 7 See Mounting Page for Available Arm Options
 8 Specify Length in Inches
 9 Standard Interior Finish
 10 See Color Page for More Options/Consult Factory for Special Finishes

PROJECT:

CAT. NO .:



Dimensions and values shown are nominal. Spectrum Lighting continually works to improve products and reserves the right to make changes which may alter the performance or appearance of products.



WWW.SPECLIGHT.COM • 994 JEFFERSON STREET, FALL RIVER, MA 02721 • 508.678.2303 FAX 508.678.2260

TYPE:

S/A



**RLM ENCLOSURES & GUARDS** 

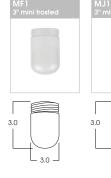


SOME OPTIONS NOT AVAILABLE ON ALL FIXTURES, CONSULT SPECIFICATION SHEETS. PLEASE SPECIFY ENCLOSURE WHEN ORDERING FIXTURES. NOTE: FROSTED JAR PRODUCES BEST RESULTS WITH LED FIXTURES

6.5

6.5

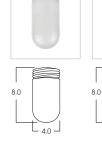
#### **ENCLOSURES**











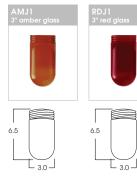


L<sub>3.0</sub>

L 4.0 -

**COLOR ENCLOSURES** 

3.0



# 6.5

L 3.0 \_



#### **ENCLOSURES WITH SHIELDS**

4.0

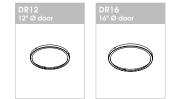


**ENCLOSURE WIRE GUARDS** 

#### **FIXTURE WIRE GUARDS**



#### DOORS



-3.95



5.16



Dimensions shown are nominal. Spectrum Lighting is continually improving products and reserves the right to make changes that will not diter performance or appearance with or without written notice.



PROJECT: TYPE: CAT. NO .:



WWW.SPECLIGHT.COM • 994 JEFFERSON STREET, FALL RIVER, MA 02721 • 508.678.2303 FAX 508.678.2260



## **RLM WALL MOUNTING OPTIONS**



SOME OPTIONS NOT AVAILABLE ON ALL FIXTURES, CONSULT SPECIFICATION SHEETS. SEE INDIVIDUAL SPECIFICATION SHEETS OR CONSULT FACTORY FOR ADDITIONAL INFORMATION. NOTE: THIS IS TYPICAL OF RLM SPECIFICATION FOR WALL MOUNTING. INDIVIDUAL FIXTURES OR PROJECTS MAY HAVE SPECIALIZED REQUIREMENTS.

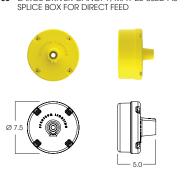
#### WALL MOUNT CANOPIES

CP104 - SMALL DRIVER CANOPY (STANDARD), MAY BE USED AS SPLICE BOX FOR DIRECT FEED



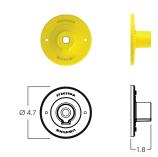




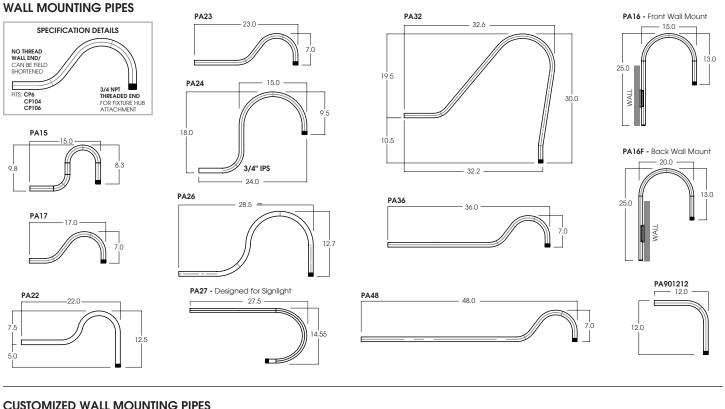


CP106 - LARGE DRIVER CANOPY, MAY BE USED AS









#### CUSTOMIZED WALL MOUNTING PIPES



EXAMPLE: PA2330 - 30" PA23

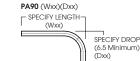
SPECIFY LENGTH



PROJECT:

CAT. NO .:





EXAMPLE: PA90W20D07 - 90° PIPE 20 LONG 7" DEEP THREADED AT FIXTURE END

Dimensions and values shown are nominal. Spectrum Lighting continually works to improve products and reserves the right to make changes which may alter the performance or appearance of products.



WWW.SPECLIGHT.COM • 994 JEFFERSON STREET, FALL RIVER, MA 02721 • 508.678.2303 FAX 508.678.2260

TYPE:

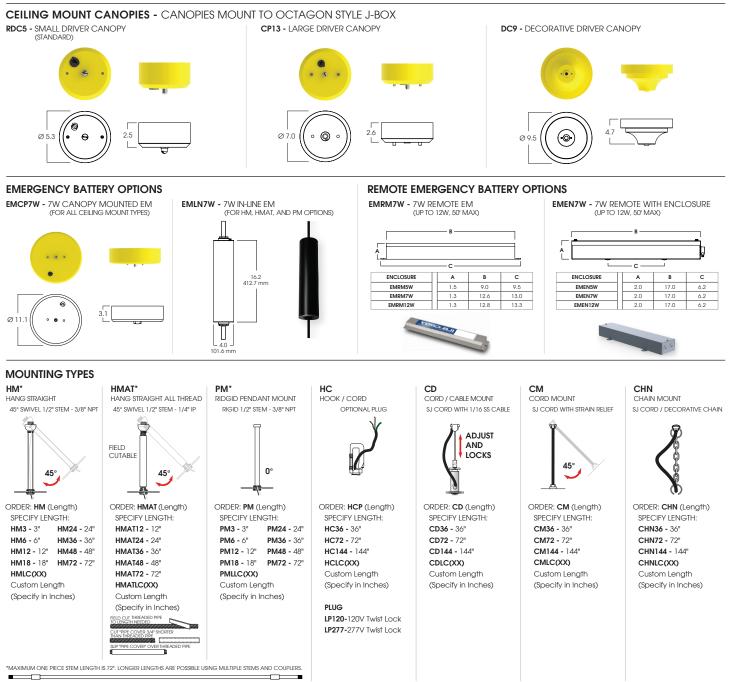
MADE IN THE USA



## **RLM CEILING MOUNTING OPTIONS**

rlm ceiling mounting

SOME OPTIONS NOT AVAILABLE ON ALL FIXTURES, CONSULT SPECIFICATION SHEETS. SEE INDIVIDUAL SPECIFICATION SHEETS OR CONSULT FACTORY FOR ADDITIONAL INFORMATION. NOTE: THIS IS TYPICAL OF RLM SPECIFICATION FOR CEILING MOUNTING. INDIVIDUAL FIXTURES OR PROJECTS MAY HAVE SPECIALIZED REQUIREMENTS.



#### MOUNTING FINISH

Standard Canopy / Stem or Cord mounting finish is matte white. Black fixtures receive matte black mounting finish, silver fixture receive silver mounting finish. Custom colors and fixture color canopy and stem are available upon request.

PROJECT:

CAT. NO .:

MOUNTING COMPONENTS FINISH								
FIXTURE COLOR	CANOPY / STEM / CORD COLOR							
Matte White, Textured White	Matte White							
Matte Black, Textured Black, Bronze, Oil Rubbed Bronze	Matte Black							
Platinum, Textured Silver, Silver	Silver							
All Others	Matte White							
Custom Color	Canopy / Stem Same Color as Fixture							

Dimensions and values shown are nominal. Spectrum Lighting continually works to improve products and reserves the right to make changes which may alter the performance or appearance of products.



WWW.SPECLIGHT.COM • 994 JEFFERSON STREET, FALL RIVER, MA 02721 • 508.678.2303 FAX 508.678.2260

TYPE:



## RIALTA<sup>®</sup> RT4xx

The **RIALTA® RT4xx** luminaire is a cylindrical, three legged, open cage ground mounted luminaire designed to bring ambiance to any project by providing a performance lighting package in a vertical form. The 8" cast aluminum cage cylinder adds a 12" high luminous element that adds visual interest by illuminating from the top casting and giving the effect of moon light from within its cage form. The RT4xx uses one round LED array configuration with a choice of Clear Acrylic or SV2 lens to deliver IES types 5, 4, 3, 3R and 2 distribution with high efficiency and low wattage consumption. A variety of LED color temperatures are available. A choice of several popular polyester powder coat colors are also available.



PROJECT:

TYPE	B1

## ORDERING EXAMPLE: BL-RT442-26L45T5-MDL05-CA-FHD/UGMT

	RT4										
MOUNTING CONFIG.	SERIES	HEIGHT (H) IN.	NO. OF Leds	COLOR TEMP K	Distribution Type	DRIVER	LENS	CONTROLS	DUAL FUSE & Holder	COI	_OR
BL		36	26L	27(00) K	T2	MDL03	CA	ОРТ	IONS	UGMT	UGM
		42		35(00) K	Т3	MDL05	SV2	PEC	FHD	UBT	UB
	Post Top	48		45(00) K	T3R	MDH03		PEC4		ULBT	ULB
	Mounted				T4	MDH05				USLT	USL
	Luminaire				T5					UWHT	UWH
										UCHS	BKT

 $\mathbf{BL} = \mathbf{Bollard}$ 

## **Product Specs**

#### **Optical**

- IP66 rated optic module.
- Available in IES Types 2, 3, 3R, 4 and 5 distribution.
- Utilizes high output, high brightness LEDs.
- -Minimum of 70 CRI, CCT 2700, 3500 and 4500K. Call factory for custom CCT.
- LM-79 and LM-80 tests in accordance with IESNA standards.
- Lumen depreciation rating L70>100,000 hrs. projected per TM-21 guideline using 525mA drive at 25°C ambient.
   RoHS Compliant.

#### **Electrical**

- 120-277 volt and 347-480 volt available.
- Minimum drivers power factor: >0.9.
- Electrical surge protection in accordance with IEEE/ANSI C62.41.2 guidelines.
- UL listed in U.S. and Canada.

#### Mechanical

- Cast aluminum heat sink, cylindrical lens and twist lock housing.
- Spun aluminum heat sink cover.
- Twist-lock housing installs on 8" OD welded tenon.
- Pole door driver access and removeable driver tray.

#### Controls

- Supplied with dimmable driver.
- **PEC:** Optional electronic button photocell (120v-277v).
- **PEC4:** Optional electronic button photocell (480v).

#### Finish

- Durable, color retentive powder coat finish.

#### Warranty & Standards

LED Systems and Drivers - 7 years.

All fixtures shall be free from defects in materials and workmanship for a period of 7 years from the date of manufacture. The luminaire manufacturer shall warrant the LED boards/system, during the stated warranty period, against failure defined as more than 10 percent of non-operating LEDs.

#### Housing

Housing shall consist of 0.188" wall extruded aluminum and A360 cast top and bottom lens retaining assemblies. Minimum height overall with shaft is 36".

#### Drivers:

MDL03: 350mA, 120-277V MDL05: 525mA, 120-277V MDH03: 350mA, 347-480V MDH05: 525mA, 347-480V

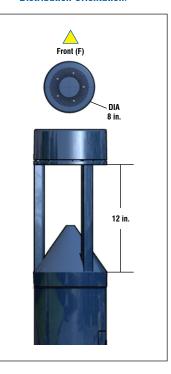
#### Lens:

**CA** - Clear Flat Acrylic **SV2** - Flat heavy diffuse acrylic

#### **Colors:**

UGMT - Urban Gun Metal Textured UBT - Urban Bronze Textured ULBT - Urban Light Bronze Textured USLT - Urban Silver Textured UWHT - Urban White Textured UCHS - Urban Champagne Satin Smooth UGM - Urban Gun Metal Matte UB - Urban Bronze Matte ULB - Urban Light Bronze Matte USL - Urban Silver Matte UWH - Urban White Matte BKT - Black Textured

#### Distribution Orientation:



## Performance

MODEL #	T3 DELIVERED LUMENS	EFFICACY (LPW)	T3R DELIVERED LUMENS	EFFICACY (LPW)	T4 DELIVERED LUMENS	EFFICACY (LPW)	T5 DELIVERED LUMENS	EFFICACY (LPW)	WATTAGE
RT436CA-26L27TMD_03	1995	64.5	2130	68.8	2160	69.7	2095	67.6	31
RT436CA-26L35TMD_03	2280	73.6	2430	78.5	2465	79.6	2390	77.1	31
RT436CA-26L45TMD_03	2560	82.6	2735	88.2	2770	89.4	2685	86.7	31
RT436CA-26L27TMD_05	2825	60.2	3010	64.0	2955	62.9	2980	63.4	47
RT436CA-26L35TMD_05	3225	68.7	3435	73.1	3375	71.8	3400	72.4	47
RT436CA-26L45TMD_05	3625	77.1	3855	82.1	3790	80.7	3820	81.3	47

## **Product Dimensions and Features**



- 8"



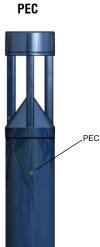


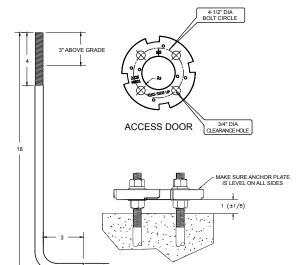


## **Options**

8

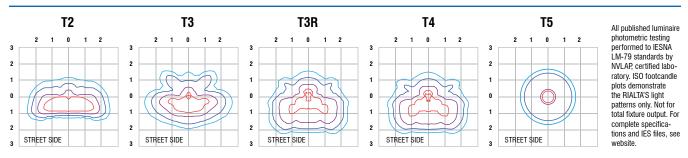
**Bolt Circle** 





5/8

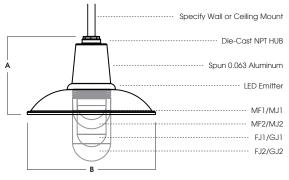
## **ISO Footcandle Plots**





800-621-3376 555 Lawrence Ave., Roselle, IL 60172 info@sternberglighting.com www.sternberglighting.com 11/17 STERNBERG LIGHTING. ALL RIGHTS RESERVED. PRINTED IN THE USA.





#### Dimensioned with SW1509LW

SERIES	A	В
SW1509LW SW1910LW	8.0 9.1	14.5 18.7

#### SHORT WAREHOUSE SHADE

С

CLASSIC SERIES / 2000 LUMENS



# SW-LW - EXTERIOR / WET LOCATION APPLICATION

The Short Warehouse Shade is a shallow version of most popular Warehouse Shades. LW Series is designed for outdoor wet location.

#### FEATURES

Spectrum Lighting's RLM Classics are reproductions of early American lighting fixtures reimagined with modern LED light sources and materials. The wide range of options for illumination, mounting, enclosures, guards and finishes allows for creative fixture specification and design. LED module and driver are serviceable for future replacement. Fixture available in two sizes.

#### FINISH

Multi-stage polyester powder-coat process applied on our dedicated paint lines. Variety of standard and custom finishes are available. Matte White interior standard. Custom Color interior finishes available.

#### ELECTRONICS

LW LED system features high brightness white Nichia LED's. 3 step MacAdam Ellipse binning. Standard CRI: 85+. Higher CRI, R9 and custom LED configurations are available; consult factory. Choice of electronic 120V/277V and dimming drivers.

#### CONSTRUCTION

Fixture shades are spun in our factory from 0.063 high purity aluminum. Wall mount canopies are die-cast aluminum with stainless steel hardware. Wall arms are formed 3/4 NPT aluminum pipe.

#### CODE COMPLIANCE

ARRA Compliant. ETL/CSA listed for wet locations. Manufactured and tested to UL standards No. 1598/8750.

WATTAGE / LUMENS DATA											
PART NUMBER	SOURCE LUMENS <sup>1</sup>	SYSTEM WATTS									
SW1509LW10L	1000	8.1									
SW1509LW20L	2000	15.8									

SERIES	LUME	ENS <sup>1</sup>	С	СТ	DRI	VER / DIMMING <sup>2</sup>	A			MOUNTING⁵	IN	ITERIOR		FINISH
SW1509LW	10L 100	100 Lm 3	ок	3000K	EX	Electronic Driver,		10L MAX		WALL MOUNT	MWI <sup>9</sup>	White	GW	Gloss White
SW1910LW	<b>20L</b> 200	4	ок	3500K 4000K 5000K	D\$10X	120V/277V 10%, 0-10V, 120V/277V 1%, ELV/MLV 120V	MJ1 FJ14 GJ1	3"x3" Frosted Glass 3"x3" Clear Glass 3"x6.5" Frosted Glass 3"x6.5" Clear Glass 20L MAX 4"x4" Frosted Glass	CP104KO <sup>5</sup> CP6/RMD PA_ <sup>7</sup>	Small Driver Canopy Canopy with 4 Feed Holes Remote Driver Canopy Mounting Arm Style CEILING MOUNT Small Driver Canopy	PTI SNI GAI ORI YLI	Black Platinum Sun Gold Galvanized Orange Yellow Blue	MB BZ PT GA CH	Matte White Matte Black Bronze Platinum Silver Galvanized Charcoal Sun Gold
							FJ2 <sup>4</sup>	4"x4" Clear Glass 4"x8" Frosted Glass 4"x8" Clear Glass		Hang Straight Rigid Pendant Mount	GRI RDI CCI <sup>10</sup>	Green Red Custom Color Fixture Color Interior	EG BL AY RD CO	Evergreen Blue Streak Aero Yellow Red Baron Copper Metallic Custom Color

#### EXAMPLE: SW1910LW10L35KEXFJ1RDC5HM36MB

#### NOTES:

1 Nominal Source Lumens at 3500K
 2 Contact Factory for Additional Options
 3 See Enclosures & Guards Page for Wire Guards and Additional Options
 4 Standard Enclosure
 5 See Mounting Pages for EM Options and Details on Components and Finishes
 6 Required for All Drivers
 7 See Mounting Page for Available Arm Options
 8 Specify Length in Inches
 9 Standard Interior Finish
 10 See Color Page for More Options/Consult Factory for Special Finishes

PROJECT:

CAT. NO .:



Dimensions and values shown are nominal. Spectrum Lighting continually works to improve products and reserves the right to make changes which may alter the performance or appearance of products.



WWW.SPECLIGHT.COM • 994 JEFFERSON STREET, FALL RIVER, MA 02721 • 508.678.2303 FAX 508.678.2260

TYPE:

S/A



**RLM ENCLOSURES & GUARDS** 

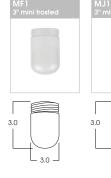


SOME OPTIONS NOT AVAILABLE ON ALL FIXTURES, CONSULT SPECIFICATION SHEETS. PLEASE SPECIFY ENCLOSURE WHEN ORDERING FIXTURES. NOTE: FROSTED JAR PRODUCES BEST RESULTS WITH LED FIXTURES

6.5

6.5

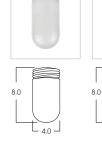
#### **ENCLOSURES**











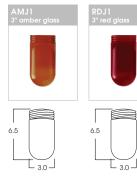


L<sub>3.0</sub>

L 4.0 -

**COLOR ENCLOSURES** 

3.0



# 6.5

L 3.0 \_



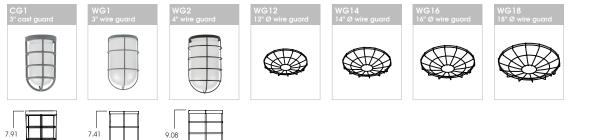
#### **ENCLOSURES WITH SHIELDS**

4.0

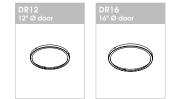


**ENCLOSURE WIRE GUARDS** 

#### **FIXTURE WIRE GUARDS**



#### DOORS



-3.95



5.16



Dimensions shown are nominal. Spectrum Lighting is continually improving products and reserves the right to make changes that will not diter performance or appearance with or without written notice.



PROJECT: TYPE: CAT. NO.:



WWW.SPECLIGHT.COM • 994 JEFFERSON STREET, FALL RIVER, MA 02721 • 508.678.2303 FAX 508.678.2260



## **RLM WALL MOUNTING OPTIONS**



SOME OPTIONS NOT AVAILABLE ON ALL FIXTURES, CONSULT SPECIFICATION SHEETS. SEE INDIVIDUAL SPECIFICATION SHEETS OR CONSULT FACTORY FOR ADDITIONAL INFORMATION. NOTE: THIS IS TYPICAL OF RLM SPECIFICATION FOR WALL MOUNTING. INDIVIDUAL FIXTURES OR PROJECTS MAY HAVE SPECIALIZED REQUIREMENTS.

Ø 7.5

#### WALL MOUNT CANOPIES

CP104 - SMALL DRIVER CANOPY (STANDARD), MAY BE USED AS SPLICE BOX FOR DIRECT FEED









CP106 - LARGE DRIVER CANOPY, MAY BE USED AS



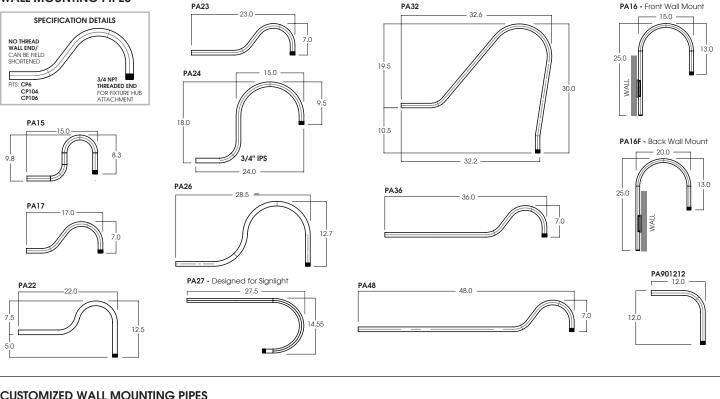


CP6/RMD - REMOTE MOUNT DRIVER, MOUNTS DIRECTLY





#### WALL MOUNTING PIPES



#### CUSTOMIZED WALL MOUNTING PIPES



EXAMPLE: PA2330 - 30" PA23

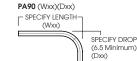
SPECIFY LENGTH



**PROJECT:** 

CAT. NO .:





EXAMPLE: PA90W20D07 - 90° PIPE 20 LONG 7" DEEP THREADED AT FIXTURE END

Dimensions and values shown are nominal. Spectrum Lighting continually works to improve products and reserves the right to make changes which may alter the performance or appearance of products.



WWW.SPECLIGHT.COM • 994 JEFFERSON STREET, FALL RIVER, MA 02721 • 508.678.2303 FAX 508.678.2260

TYPE:

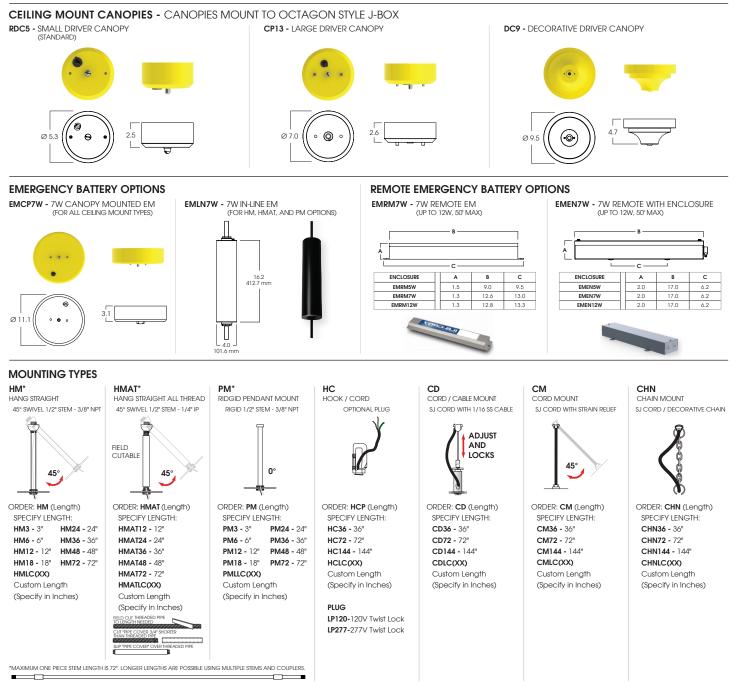
MADE IN THE USA



# **RLM CEILING MOUNTING OPTIONS**

rlm ceiling mounting

SOME OPTIONS NOT AVAILABLE ON ALL FIXTURES, CONSULT SPECIFICATION SHEETS. SEE INDIVIDUAL SPECIFICATION SHEETS OR CONSULT FACTORY FOR ADDITIONAL INFORMATION. NOTE: THIS IS TYPICAL OF RLM SPECIFICATION FOR CEILING MOUNTING. INDIVIDUAL FIXTURES OR PROJECTS MAY HAVE SPECIALIZED REQUIREMENTS.



#### MOUNTING FINISH

Standard Canopy / Stem or Cord mounting finish is matte white. Black fixtures receive matte black mounting finish, silver fixture receive silver mounting finish. Custom colors and fixture color canopy and stem are available upon request.

**PROJECT:** 

CAT. NO .:

MOUNTING COMPONENTS FINISH			
FIXTURE COLOR	CANOPY / STEM / CORD COLOR		
Matte White, Textured White	Matte White		
Matte Black, Textured Black, Bronze, Oil Rubbed Bronze	Matte Black		
Platinum, Textured Silver, Silver	Silver		
All Others	Matte White		
Custom Color	Canopy / Stem Same Color as Fixture		

Dimensions and values shown are nominal. Spectrum Lighting continually works to improve products and reserves the right to make changes which may alter the performance or appearance of products.

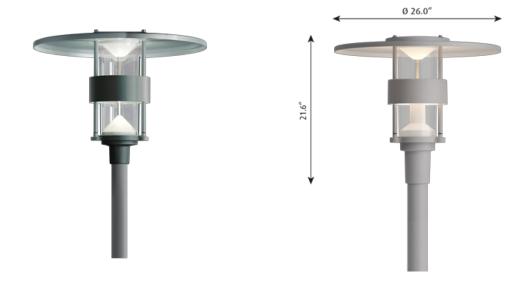


WWW.SPECLIGHT.COM • 994 JEFFERSON STREET, FALL RIVER, MA 02721 • 508.678.2303 FAX 508.678.2260

TYPE:

D1 & D2

## Albertslund Mini Post



The design is based on an anti-glare ring, conical reflectors and a circular top shade, which serves as the primary reflector. Terse design Different colour variants. Part of a product family.

US: Mounting tenon of die-cast aluminum, 4mm (0.18") thickness for T-DRA-5"-3" or T-RSA-4.5" poles.

#### Light description

The fixture emits symmetrical glare-free light directed downwards. The top shade helps direct the light downwards and prevent light from being emitted upwards. The white painted reflectors result in diffuse and comfortable light distribution. The reflector ring protects against direct glare and does also serves as a heat sink. Provides a high level of vertical light for people to feel safe and comfortable. Two LEDs ensures a good balance between the uplight and downlight. The fixture design is identifiable when the light is on. LED technology with more options of standard CCTs. Electronic dimmable driver

#### Design

Jens Møller-Jensen

#### Mounting

EU: Aluminium coloured with textured surface, graphite with textured surface or grey, powder coated. US: Aluminium coloured, grey, graphite grey, or white, powder coated. Top shade: High pressure moulded fiber glass, 3mm (0. 12") thick. Lower surfaces with high-reflectance white finish. Enclosure: Injection moulded clear polycarbonate, U. V. stabilized, 3mm (0. 12") thick. Heat sink: Die-cast aluminium, 6mm (0. 24") thicness typical, includes hidden fins for thermal transfer to atmosphere. Console: Die-cast aluminium, 3mm (0. 12") thick. Struts: Stainless steel. Inside reflectors of white polycarbonate, 2mm (0. 08") thick. Lower LED cover of opal polycarbonate, 2mm (0. 08") thick.

Weight Min: 22 lbs Max: 22 lbs

Finish Graph, Grey, Nat paint alu, Wht Finish

Graphite grey, grey, white or natural painted aluminum, powder coated.

#### Materials

Top shade: Die formed fiber glass. Enclosure: Injection molded clear U.V. stabilized polycarbonate. Heat sink: Die cast aluminum. Base: Die cast aluminum. Struts: Aluminum.

**Mounting** Post top: Mounted on dual round aluminum (DRA) or round straight aluminum (RSA) pole.

#### Sizes and weight

Width x Height x Length (in.) 26 x 19.3 x 26 Max 22.0 lbs

Compliance cULus, Wet location.

#### **Specification notes**

a. Surge protector only available with T-RSA-4.5 transition to pole. b. Consult factory for product spefications for Photo Sensor and Wireless Control options.

Light source Light source 57W LED/3000K

Light source	Voltage frequency	Color	Class	Transition to pole	Lighting control	Variant number
42W LED/4000K	120-277V/60HZ	Graph	I/II	T-RSA-4.5 IN	DIM 0-10V	10000108764
57W LED/3000K	120-277V/60HZ	Graph	I/II	T-DRA-5 IN-3 IN	DIM 0-10V	10000108771
57W LED/3000K	120-277V/60HZ	Graph	I/II	T-RSA-4.5 IN	DIM 0-10V	10000108762
57W LED/3000K	120-277V/60HZ	Grey	I/II	T-DRA-5 IN-3 IN	DIM 0-10V	10000108773
57W LED/3000K	120-277V/60HZ	Grey	I/II	T-RSA-4.5 IN	DIM 0-10V	10000108765
57W LED/3000K	120-277V/60HZ	Nat paint alu	I/II	T-RSA-4.5 IN	DIM 0-10V	10000108760
57W LED/3000K	120-277V/60HZ	Nat paint alu	I/II	T-DRA-5 IN-3 IN	DIM 0-10V	10000108769
57W LED/3000K	120-277V/60HZ	Wht	I/II	T-DRA-5 IN-3 IN	DIM 0-10V	10000108775
57W LED/3000K	120-277V/60HZ	Wht	I/II	T-RSA-4.5 IN	DIM 0-10V	10000108767
57W LED/4000K	120-277V/60HZ	Graph	I/II	T-DRA-5 IN-3 IN	DIM 0-10V	10000108772
57W LED/4000K	120-277V/60HZ	Grey	I/II	T-DRA-5 IN-3 IN	DIM 0-10V	10000108774
57W LED/4000K	120-277V/60HZ	Grey	I/II	T-RSA-4.5 IN	DIM 0-10V	10000108766
57W LED/4000K	120-277V/60HZ	Nat paint alu	I/II	T-DRA-5 IN-3 IN	DIM 0-10V	10000108770
57W LED/4000K	120-277V/60HZ	Nat paint alu	I/II	T-RSA-4.5 IN	DIM 0-10V	10000108761
57W LED/4000K	120-277V/60HZ	Wht	1/11	T-DRA-5 IN-3 IN	DIM 0-10V	10000108776
57W LED/4000K	120-277V/60HZ	Wht	I/II	T-RSA-4.5 IN	DIM 0-10V	10000108768

#### Spareparts & accessories

ALB. MINI, POLYCARBON. DIFF. 5747291096



PROJECT NAME: \_

QTY:



SAMPLE CODE: SK1-C10A-48-GW-MWP-LED1/35K-UNV-DMO

\*Fixtures over 60" will have multiple reflectors

\*\*For a modified length, type in length of fixture in inches to the nearest 0.0625"; Min. 24"

\*\*\*Illumination can be out, left, right or down; illumination cannot be up, up/down, or left/right

#### **MODS, NOTES, & COMMENTS**

This chart was created for a 35K color temp. Multiply by 0.95 for 27k color temp, 0.97 for 30k color temp, and 1.03 for 40k color temp.

MODIFIED LUMINAIRE (CONTACT LOCAL REP)

LUMENS AND WATTAGE CHART

60"

3740

52

4970

69

72"

4460

62

5980

83



84"

5260

73

6957

97

96"

5980

83

7920

110

MOD

24"

1510

21

2020

28

LUMENS DELIVERED

SYSTEM WATTAGE

LUMENS DELIVERED

SYSTEM WATTAGE

LED1

LED2

36"

2230

31

2950

41

48"

3020

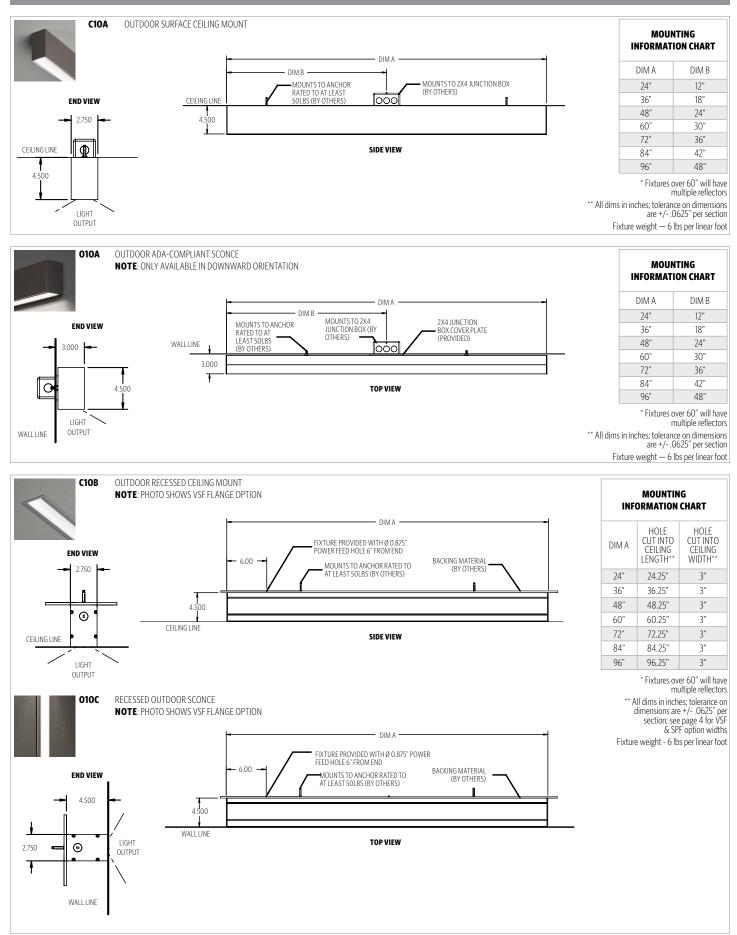
42

3960

55

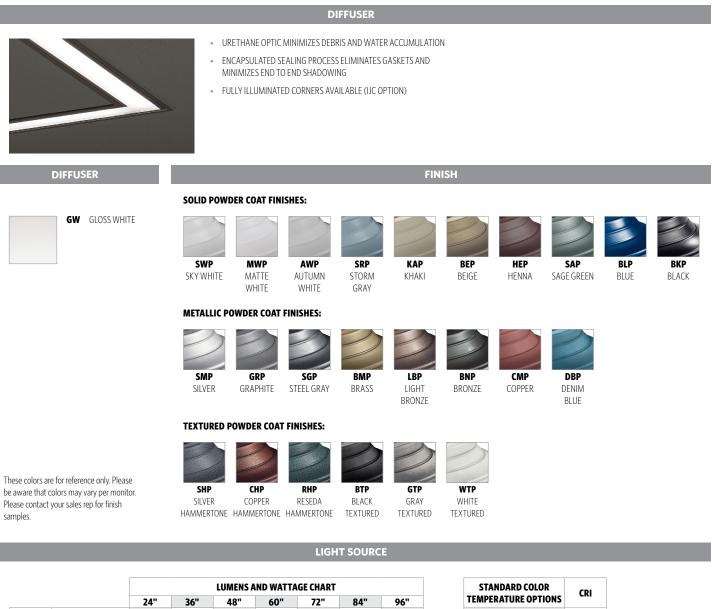
TYPE: \_

PROJECT NAME: \_



COCL



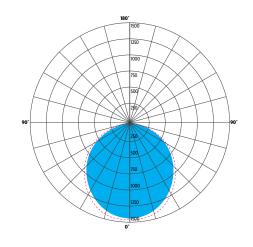


		24"	36"	48"	60"	72"	84"	96"
LED1	LUMENS DELIVERED	1510	2230	3020	3740	4460	5260	5980
LEVI	SYSTEM WATTAGE	21	31	42	52	62	73	83
LED2	LUMENS DELIVERED	2020	2950	3960	4970	5980	6957	7920
LEDZ	SYSTEM WATTAGE	28	41	55	69	83	97	110

This chart was created for a 35K color temp. Multiply by 0.95 for 27k color temp, 0.97 for 30k color temp, and 1.03 for 40k color temp.

#### **PHOTOMETRY:**

FIXTURE:	SK1-C10A-48-GW-MWP-LED2/35K-120-DMO
COLOR TEMP #:	3500K
OUTPUT:	3960
EFFICACY:	72 LM/W
TEST REPORT:	TEST NO. 20513.0



#### LUMEN MAINTENANCE

80+

80+

80+

80+

2700K

3000K

3500K

4000K

REPORTED:	L70 AT >60,000 HRS
CALCULATED:	L70 AT 180,000 HRS
REPORTED:	L90 AT 52,000 HRS
CALCULATED:	L90 AT 52,000 HRS

Derived from EPA TM-21 calculator. Based on typical conditions. Consult the factory for additional details

ZONE	LUMENS	% OF LUMINAIRE
0-30	1117	28%
0-60	3200	81%
0-90	3953	100%
90-180	0	0%

For all available IES files, please visit our website at ocl.com.

TYPE:

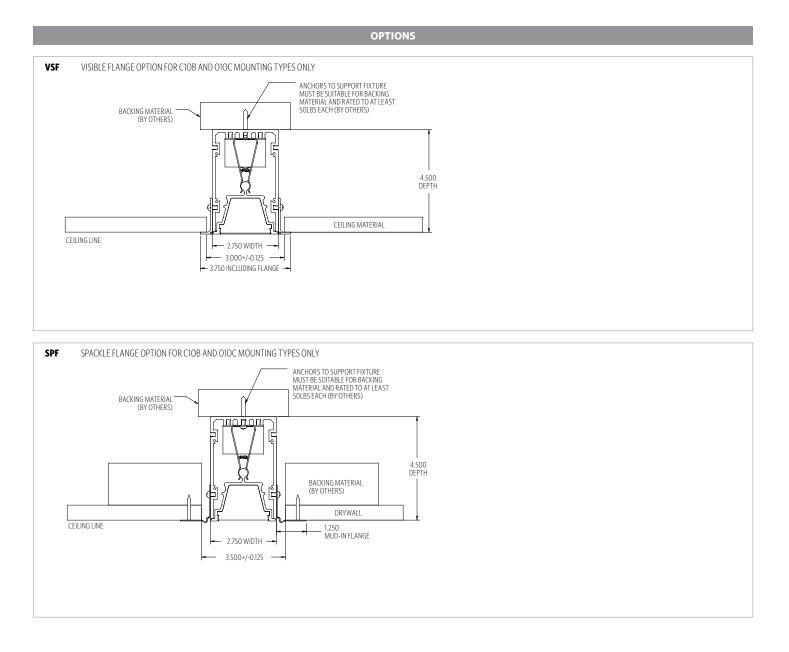
\_\_\_\_\_

QTY: \_\_\_\_\_

#### CONTROL

#### DMO 0-10V DIMMING DOWN TO 10%

- 0-10V DIMMING
- 10% MINIMUM DIM LEVEL
- ELECTRONIC DRIVER
- POWER FACTOR >0.9
- THD <20%</li>
- MIN AMBIENT OPERATING TEMPERATURE -40°F
- FIELD REPLACEABLE



#### QTY:

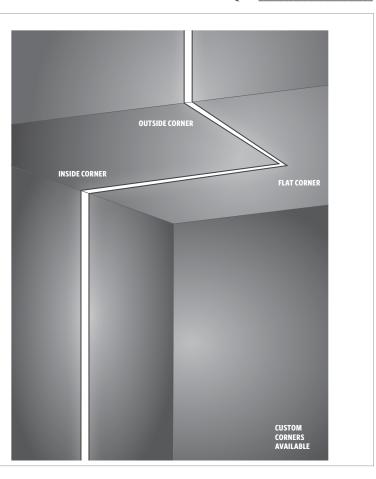
#### IJC ILLUMINATED CORNERS

One feature of the **SKYLINE** series is a linear design with illuminated corners and junctions. These fixtures can be ordered as stand-alone units or as part of a continuous run. The corners are precision miter-cut and skillfully manufactured to create a continuous line of light with minimal seams that can follow the architecture of a building

Specifying the **IJC** option signals to the factory that the fixture is modified and contains one or more corners.

Please consult with your local rep to get a quote and drawing of a fixture modified to your needs.

There are 3 standard corner offerings —inside, outside and flat. Custom corner options are also available.



#### SPECIFICATIONS

\_\_\_\_\_

#### CONSTRUCTION

- HOUSING IS EXTRUDED ALUMINUM
- REFLECTOR IS EXTRUDED ALUMINUM
- DIFFUSER IS OPAL WHITE URETHANE RUBBER WITH UV INHIBITORS
- HARDWARE IS STAINLESS STEEL

#### MOUNTING

- FOR SURFACE MOUNTING, ILLUMINATION CAN BE OUT, LEFT, RIGHT, DOWN ONLY
- FIXTURE IS NOT DESIGNED TO BE MOUNTED IN-GRADE

#### ELECTRICAL

- DIMMING ELECTRONIC DRIVER(S), COMES STANDARD WITH 0-10V DOWN TO 10%
- 0-10V DOWN TO 1% AND LUTRON (LDE1) 1% ALSO AVAILABLE AS MODIFICATION (REQUIRES REMOTE DRIVERS)
- OCL PROPRIETARY LED ARRAYS USE NICHIA 757 DIODES
- LUMINAIRE CONNECTS TO BUILDING SUPPLY (120V-277V 50/60HZ) (UNLESS DRIVERS ARE REMOTE)
- LISTING
- ETL LISTED TO UL 1598 FOR WET LOCATIONS; INDOOR OR OUTDOOR
- IP66 RATING

#### WARRANTY

 5 YEAR; ALL ELECTRICAL COMPONENTS RETAIN THE MANUFACTURER'S WARRANTY

The drawings and specifications and ideas, designs and arrangements represented on these drawings are and shall remain the property of The Original Cast Lighting (OCL Architectural Lighting) and no part thereof shall be copied, disclosed, to others or used in conjunction with any work or project other than the specifications and information subject for which they have been prepared and developed, without written consent of OCL. Visual contact with these plans or specifications shall constitute conclusive evidence of acceptance of these restrictions. All specifications and information subject to change without notice.

#### DESCRIPTION

The Galleon<sup>™</sup> LED luminaire delivers exceptional performance in a highly scalable, low-profile design. Patented, high-efficiency AccuLED Optics<sup>™</sup> system provides uniform and energy conscious illumination to walkways, parking lots, roadways, building areas and security lighting applications. IP66 rated and UL/cUL Listed for wet locations.

# **McGraw-Edison**

Catalog #	GLEON-AF-01-LED-E1-SL4-HSS		Туре
Project		F1	
Comments			Date
Prepared by			

#### SPECIFICATION FEATURES

#### Construction

Extruded aluminum driver enclosure thermally isolated from Light Squares for optimal thermal performance. Heavy-wall, diecast aluminum end caps enclose housing and die-cast aluminum heat sinks. A unique, patent pending interlocking housing and heat sink provides scalability with superior structural rigidity. 3G vibration tested and rated. Optional tool-less hardware available for ease of entry into electrical chamber. Housing is IP66 rated.

#### Optics

Patented, high-efficiency injection-molded AccuLED Optics technology. Optics are precisely designed to shape the distribution maximizing efficiency and application spacing. AccuLED Optics create consistent distributions with the scalability to meet customized application requirements. Offered standard in 4000K (+/- 275K) CCT 70 CRI. Optional 3000K, 5000K and 6000K CCT.

#### Electrical

LED drivers are mounted to removable tray assembly for ease of maintenance. 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480V Wve systems only. Standard with 0-10V dimming. Shipped standard with Eaton proprietary circuit module designed to withstand 10kV of transient line surge. The Galleon LED luminaire is suitable for operation in -40°C to 40°C ambient environments. For applications with ambient temperatures exceeding 40°C, specify the HA (High Ambient) option. Light Squares are IP66 rated. Greater than 90% lumen maintenance expected at 60,000 hours. Available in standard 1A drive current and optional 600mA. 800mA and 1200mA drive currents (nominal).

#### Mounting

STANDARD ARM MOUNT: Extruded aluminum arm includes internal bolt guides allowing for easy positioning of fixture during mounting. When mounting two or more luminaires at 90° and 120° apart, the EA extended arm may be required. Refer to the arm mounting requirement table. Round pole adapter included. For wall mounting, specify wall mount bracket option. QUICK MOUNT ARM: Adapter is bolted directly to the pole. Quick mount arm slide into place on the adapter and is secured via two screws, facilitating quick and easy installation. The versatile, patent pending, quick mount arm accommodates multiple drill patterns ranging from 1-1/2" to 4-7/8". Removal of the door on the quick mount arm enables wiring of the fixture without having to access the driver compartment. A knock-out enables round pole mounting.

#### Finish

Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Heat sink is powder coated black. Standard housing colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available.

#### Warranty

Five-year warranty.

DRILLING PATTERN

2

[51mm]

1-3/4"

[44mm]

TYPE "N"



# GALLEON LED

1-10 Light Squares Solid State LED

#### **AREA/SITE LUMINAIRE**



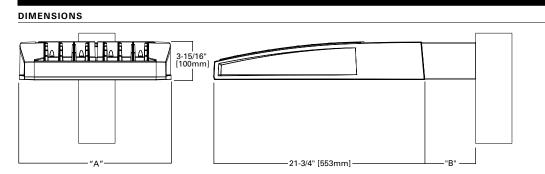
CERTIFICATION DATA UL/cUL Wet Location Listed ISO 9001 LM79 / LM80 Compliant 3G Vibration Rated IP66 Rated DesignLights Consortium® Qualified\*

ENERGY DATA

Electronic LED Driver >0.9 Power Factor <20% Total Harmonic Distortion 120V-277V 50/60Hz 347V & 480V 60Hz -40°C Min. Temperature 40°C Max. Temperature 50°C Max. Temperature (HA Option)



#### TD500020EN November 30, 2018 2:24 PM



#### DIMENSION DATA

Number of Light Squares	"A" Width	"B″ Standard Arm Length	"B" Optional Arm Length <sup>1</sup>	Weight with Arm (Ibs.)	EPA with Arm ²(Sq. Ft.)
1-4	15-1/2" (394mm)	7" (178mm)	10" (254mm)	33 (15.0 kgs.)	0.96
5-6	21-5/8" (549mm)	7" (178mm)	10" (254mm)	44 (20.0 kgs.)	1.00
7-8	27-5/8" (702mm)	7" (178mm)	13" (330mm)	54 (24.5 kgs.)	1.07
9-10	33-3/4" (857mm)	7" (178mm)	16" (406mm)	63 (28.6 kgs.)	1.12

NOTES: 1. Optional arm length to be used when mounting two fixtures at 90° on a single pole. 2. EPA calculated with optional arm length.



(2) 9/16" [14mm]

Diameter Holes

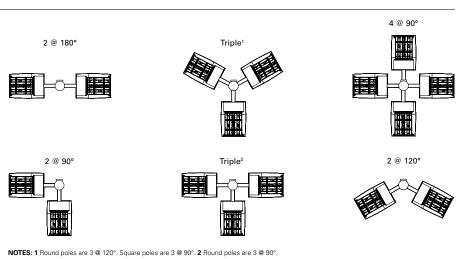
3/4" [19mm]

Diameter Hole

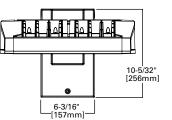
7/8" [22mm]

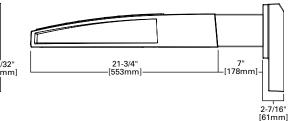
#### ARM MOUNTING REQUIREMENTS

Configuration	90° Apart	120° Apart
GLEON-AF-01	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-02	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-03	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-04	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-05	10" Extended Arm (Required)	7" Arm (Standard)
GLEON-AF-06	10" Extended Arm (Required)	7" Arm (Standard)
GLEON-AF-07	13" Extended Arm (Required)	13" Extended Arm (Required)
GLEON-AF-08	13" Extended Arm (Required)	13" Extended Arm (Required)
GLEON-AF-09	16" Extended Arm (Required)	16" Extended Arm (Required)
GLEON-AF-10	16" Extended Arm (Required)	16" Extended Arm (Required)

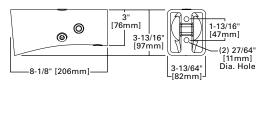


STANDARD WALL MOUNT

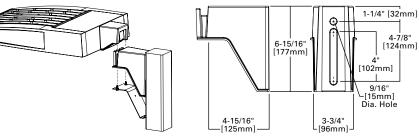




MAST ARM MOUNT



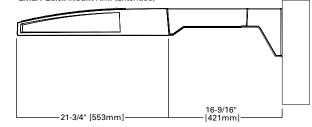
#### QUICK MOUNT ARM (INCLUDES FIXTURE ADAPTER)



QM Quick Mount Arm (Standard) 3-15/16" [100mm] "A" - 21-3/4" [553mm]–

QMEA Quick Mount Arm (Extended)

4-7/8" [124mm]



#### QUICK MOUNT ARM DATA

Number of Light Squares <sup>1, 2</sup>	"A" Width	Weight with QM Arm (lbs.)	Weight with QMEA Arm (lbs.)	EPA (Sq. Ft.)
1-4	15-1/2" (394mm)	35 (15.91 kgs.)	38 (17.27 kgs.)	
5-6 <sup>3</sup>	21-5/8" (549mm)	46 (20.91 kgs.)	49 (22.27 kgs.)	1.11
7-8	27-5/8" (702mm)	56 (25.45 kgs.)	59 (26.82 kgs.)	

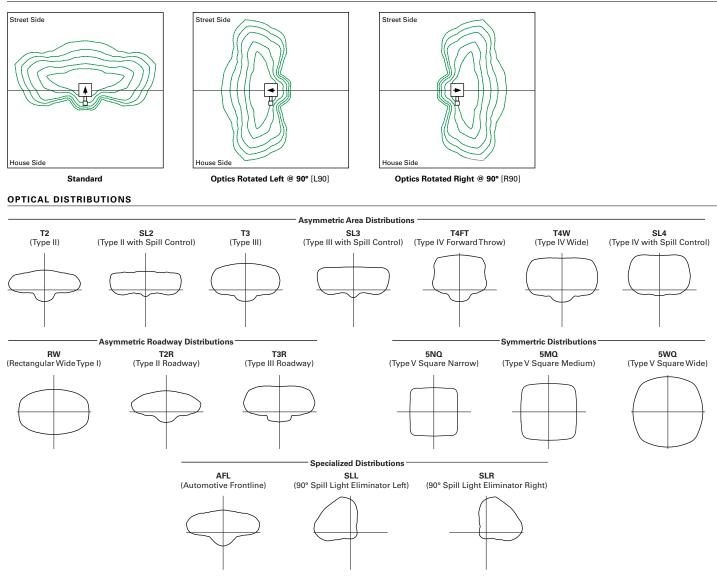
10-5/8" -[269mm]-

NOTES: 1 QM option available with 1-8 light square configurations. 2 QMEA option available with 1-6 light square configurations. 3 QMEA arm to be used when mounting two fixtures at 90° on a single pole.



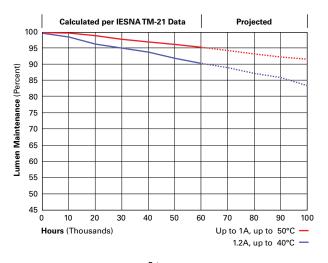
Specifications and dimensions subject to change without notice.

#### OPTIC ORIENTATION



#### LUMEN MAINTENANCE

Drive Current	Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Projected L70 (Hours)
Up to 1A	Up to 50°C	> 95%	416,000
1.2A	Up to 40°C	> 90%	205,000



#### LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97



Eaton 1121 Highway 74 South Peachtree City, GA 30269 P: 770-486-4800 www.eaton.com/lighting

Specifications and dimensions subject to change without notice.

TD500020EN November 30, 2018 2:24 PM

#### NOMINAL POWER LUMENS (1.2A)

Number o	of Light Squares	1	2	3	4	5	6	7	8	9	10
Nominal F	Power (Watts)	67	129	191	258	320	382	448	511	575	640
Input Curi	rent @ 120V (A)	0.58	1.16	1.78	2.31	2.94	3.56	4.09	4.71	5.34	5.87
Input Curi	rent @ 208V (A)	0.33	0.63	0.93	1.27	1.57	1.87	2.22	2.52	2.8	3.14
Input Curi	rent @ 240V (A)	0.29	0.55	0.80	1.10	1.35	1.61	1.93	2.18	2.41	2.71
Input Curi	rent @ 277V (A)	0.25	0.48	0.70	0.96	1.18	1.39	1.69	1.90	2.09	2.36
Input Curi	rent @ 347V (A)	0.20	0.39	0.57	0.78	0.96	1.15	1.36	1.54	1.72	1.92
Input Curi	rent @ 480V (A)	0.15	0.30	0.43	0.60	0.73	0.85	1.03	1.16	1.28	1.45
Optics		l	l	I	I	l					
	4000K/5000K Lumens	6,709	13,111	19,562	25,848	32,026	38,325	45,324	51,355	57,286	63,424
T2	3000K Lumens	5,939	11,606	17,316	22,881	28,349	33,925	40,121	45,459	50,710	56,143
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	7,122	13,919	20,769	27,442	34,000	40,687	48,117	54,519	60,816	67,333
T2R	3000K Lumens	5,939	11,606	17,316	22,881	28,349	33,925	40,121	45,459	50,710	56,143
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,838	13,363	19,939	26,346	32,642	39,062	46,196	52,343	58,388	64,646
тз	3000K Lumens	6,053	11,829	17,650	23,321	28,895	34,578	40,893	46,334	51,685	57,225
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,990	13,660	20,382	26,931	33,368	39,930	47,223	53,506	59,686	66,081
T3R	3000K Lumens	6,188	12,092	18,042	23,839	29,537	35,346	41,802	47,364	52,834	58,495
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,878	13,440	20,055	26,499	32,832	39,289	46,464	52,646	58,726	65,020
T4FT	3000K Lumens	6,088	11,897	17,753	23,457	29,063	34,779	41,130	46,602	51,984	57,556
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,789	13,267	19,795	26,156	32,408	38,781	45,864	51,967	57,968	64,180
T4W	3000K Lumens	6,010	11,744	17,523	23,153	28,688	34,329	40,599	46,001	51,313	56,812
1400	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,697	13,088	19,529	25,804	31,970	38,259	45,245	51,267	57,186	63,315
SL2	3000K Lumens	5,928	11,585	17,287	22,842	28,300	33,867	40,051	45,382	50,621	56,046
312	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	40,051 B4-U0-G5	43,382 B4-U0-G5	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,837	13,361		26,342	32,639	39,057	46,189	52,336	58,380	64,636
SL3		6,052	11,827	19,936 17,647	23,318	28,892	39,057	40,189	46,328		57,216
313	3000K Lumens	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	40,887 B3-U0-G5	40,328 B4-U0-G5	51,678 B4-U0-G5	B4-U0-G5
	BUG Rating										
014	4000K/5000K Lumens	6,496	12,695	18,943	25,029	31,011	37,110	43,886	49,727	55,470	61,414
SL4	3000K Lumens	5,750	11,238	16,768	22,156	27,451	32,850	38,848	44,018	49,102	54,364
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	4000K/5000K Lumens	7,052	13,781	20,564	27,171	33,664	40,285	47,641	53,981	60,215	66,669
5NQ	3000K Lumens	6,242	12,199	18,203	24,052	29,799	35,660	42,172	47,784	53,302	59,015
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	4000K/5000K Lumens	7,182	14,034	20,942	27,671	34,284	41,027	48,518	54,975	61,323	67,896
5MQ	3000K Lumens	6,358	12,423	18,538	24,494	30,348	36,317	42,948	48,664	54,283	60,102
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
	4000K/5000K Lumens	7,201	14,073	20,998	27,744	34,375	41,136	48,648	55,121	61,487	68,077
5WQ	3000K Lumens	6,374	12,457	18,587	24,559	30,429	36,414	43,063	48,793	54,428	60,262
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	4000K/5000K Lumens	6,009	11,741	17,519	23,148	28,681	34,321	40,589	45,990	51,301	56,798
SLL/SLR	3000K Lumens	5,319	10,393	15,508	20,491	25,388	30,381	35,929	40,710	45,412	50,278
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,989	13,657	20,378	26,925	33,360	39,921	47,211	53,494	59,672	66,066
RW	3000K Lumens	6,187	12,089	18,039	23,834	29,530	35,338	41,791	47,353	52,822	58,482
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
	4000K/5000K Lumens	7,014	13,706	20,452	27,023	33,481	40,066	47,383	53,688	59,888	66,306
AFL	3000K Lumens	6,209	12,133	18,104	23,921	29,637	35,466	41,943	47,525	53,013	58,694
		B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G4



#### NOMINAL POWER LUMENS (1A)

Number o	f Light Squares	1	2	3	4	5	6	7	8	9	10
	Power (Watts)	59	113	166	225	279	333	391	445	501	558
	rent @ 120V (A)	0.51	1.02	1.53	2.03	2.55	3.06	3.56	4.08	4.6	5.07
-	rent @ 208V (A)	0.29	0.56	0.82	1.11	1.37	1.64	1.93	2.19	2.46	2.75
-	rent @ 240V (A)	0.26	0.48	0.71	0.96	1.19	1.41	1.67	1.89	2.12	2.39
-	rent @ 277V (A)	0.23	0.40	0.61	0.83	1.03	1.23	1.45	1.65	1.84	2.09
-	rent @ 347V (A)	0.17	0.32	0.50	0.64	0.82	1.00	1.14	1.32	1.50	1.68
-	rent @ 480V (A)	0.14	0.24	0.37	0.48	0.61	0.75	0.91	0.99	1.12	1.28
Optics		0.14	0.24	0.07	0.40	0.01	0.70	0.01	0.00	1.12	1.20
0000	4000K/5000K Lumens	6,116	11,951	17,833	23,563	29,195	34,937	41,317	46,814	52,221	57,817
T2	3000K Lumens	5,414	10,579	15,786	20,858	25,843	30,926	36,574	41,440	46,226	51,180
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,493	12,688	18,932	25,015	30,994	37,090	43,863	49,699	55,439	61,380
T2R	3000K Lumens	5,748	11,231	16,759	22,143	27,436	32,832	38,828	43,994	49,075	54,334
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,234	12,181	18,176	24,017	29,756	35,609	42,111	47,715	53,225	58,930
тз	3000K Lumens	5,518	10,783	16,089	21,260	26,340	31,521	37,277	42,237	47,115	52,165
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	42,237 B4-U0-G5	47,115 B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,372	12,453	18,580	24,550	30,418	36,400	43,048	48,776	54,409	60,239
T3R	3000K Lumens	5,640	12,453	16,447	24,550	26,926	32,221	38,106	43,177	48,163	53,324
1311	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,270	12,252	18,282	24,156	29,929	35,815	42,356	47,992	53,534	59,271
T4FT	3000K Lumens	5,550	10,845	16,183	24,150	26,493	31,703	37,494	42,483	47,388	52,467
1461	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	42,483 B3-U0-G5	47,388 B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,189	12,094	18,045	23,844	29,543	35,352	41,809	47,372	52,843	58,506
T4W	3000K Lumens	5,479	12,094	15,973	23,844	29,543	31,294	37,009	41,934	46,777	51,790
1400	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,105	11,931	17,803	23,522	29,144	34,877	41,245	46,734	52,130	57,717
SL2	3000K Lumens	5,404	10,561	15,759	20,822	25,798	30,873	36,510	40,734	46,145	51,091
312		5,404 B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	84-U0-G5	B4-U0-G5
	BUG Rating 4000K/5000K Lumens	6,233		18,174		29,753	35,604	42,106	47,708		
SL3	3000K Lumens		12,180 10,782	16,088	24,013	29,755	31,517	37,272	47,708	53,218	58,921
313		5,517 B1-U0-G2	B2-U0-G3	B2-U0-G3	21,256 B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	42,231 B3-U0-G5	47,109 B4-U0-G5	52,157 B4-U0-G5
	BUG Rating 4000K/5000K Lumens	5,922	11,572	17,268	22,816	28,269	33,829	40,006	45,330	50,566	55,984
SL4	3000K Lumens	5,922	10,244	15,286	22,818	25,024	29,945	35,413	40,126	44,761	49,557
314			B1-U0-G3							B3-U0-G5	
	BUG Rating	B1-U0-G2		B2-U0-G3	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5		B3-U0-G5
5NQ	4000K/5000K Lumens 3000K Lumens	6,429 5,691	12,563 11,121	18,746 16,594	24,768 21,925	30,688 27,165	36,723 32,507	43,429 38,443	49,208 43,559	54,891 48,590	60,775 53,798
5110	BUG Rating	B2-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
	4000K/5000K Lumens	6,547	12,794	19,090	25,224	31,253	37,400	44,228	50,114	55,902	61,893
5MQ	3000K Lumens	5,795	11,325	16,898	22,328	27,665	33,106	39,151	44,361	49,484	54,788
51112	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
	4000K/5000K Lumens	6,564	12,828	19,141	25,291	31,336	37,499	44,347	50,248	56,051	62,058
5WQ	3000K Lumens	5,810	12,828	16,944	23,291	27,739	37,499	39,256	44,480	49,616	54,934
5112	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	4000K/5000K Lumens	5,478	10,703	15,970	21,102	26,145	31,286	37,001	41,924	46,765	51,777
SLL/SLR	3000K Lumens	4,849	9,474	14,137	18,679	23,145	27,694	32,753	37,111	40,705	45,833
JLL/JLN	BUG Rating	4,849 B1-U0-G2	9,474 B1-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	45,833 B3-U0-G5
	4000K/5000K Lumens	6,371	12,449	18,576	24,544	30,411	36,392	43,037	48,764	54,396	60,225
RW	3000K Lumens	5,640	12,449	16,443	24,544	26,920	32,214	38,096	43,166	48,151	53,311
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	4000K/5000K Lumens	6,394	12,494	18,644	24,634	30,521	36,524	43,194	48,942	54,593	60,444
AFL	3000K Lumens	5,660	12,494	16,504	24,634	27,017	30,524	38,235	48,942	48,326	53,505
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	38,235 B3-U0-G3	43,323 B3-U0-G3	48,326 B4-U0-G4	B4-U0-G4
	Bod nating	B1-00-G1	B2-00-G2	B2-00-G2	B3-00-G2	53-00-63	03-00-03	60-00-63	53-00-63	54-00-64	D4-00-G4



#### NOMINAL POWER LUMENS (800MA)

4000K/5000K Lumens         5,246         10,251         15,290         20,211         25,041         29,066         35,439         40,184         44,711         49,592           3000K Lumens         4,644         3,074         13,400         12,819         22,166         25,526         33,71         35,544         39,049         43,889           3000K Lumens         4,649         8,10-62         82-0-63         83-0-63         83-0-63         83-0-63         83-0-63         83-0-63         83-0-63         83-0-63         83-0-64							_					
Importance + 2207 (A)         0.33         0.77         1.13         1.54         1.53         2.20         2.47         3.23         3.39         3.39           Importane-ret # 2007 (A)         0.37         0.44         0.87         0.88         1.56         1.16         1.57         1.61         1.27         2.77           Importane-ret # 207 (A)         0.77         0.38         0.38         0.48         0.40         0.40         0.50         1.10         1.30         1.42         1.17           Importane-ret # 207 (A)         0.57         0.44         0.80         0.40         0.80         0.59         0.31         1.12         1.12           Importane-ret # 207 (A)         0.57         0.44         0.80         0.408         0.808         2.208         2.22.27         2.3.28         2.7.22         4.2.31         4.2.17           2000 Lumma         4.544         0.571         1.534         1.581         1.581         1.581         1.581         3.541         3.541         3.541         3.541         3.541         3.541         3.541         3.541         3.541         3.541         3.541         3.541         3.541         3.541         3.541         3.541         3.541         3.541 <th></th> <th></th> <th></th> <th></th> <th> </th> <th></th> <th></th> <th>-</th> <th></th> <th>-</th> <th></th> <th></th>								-		-		
peq Let with a set of the set												
Ipper Current # 247V (A)         0.19         0.39         0.36         0.37         0.32         0.34         0.37         0.39         0.36         1.19         1.31         1.42         1.37           Input Current # 049V (A)         0.10         0.20         0.32         0.37         0.48         0.68         0.77         0.68         0.77         0.68         0.87           Statistic Murrent # 049V (A)         0.10         0.85         0.44         0.68         0.68         0.77         0.68         0.88           Statistic Murrent # 049V (A)         0.10         0.856         14.40         10.08         2.5588         2.627         3.532         3.743         4.747         4.757           Mode School Lumons         4.44         0.757         17.78         2.568         3.810-63         8.340-64         8.737         4.737         4.739         4.807           Mode School Lumons         5.444         10.71         15.546         12.71         2.564         3.717         5.546         3.713         5.554         3.737         3.454         4.809         4.206           Mode School Lumons         4.444         5.77         1.683         8.50-64         8.50-64         8.50-64         8.50-64	-											
Instr         TYY (A)         0.57         0.58         0.47         0.87         0.88         0.97         0.58         1.19         1.13         1.42         1.57           Instr Currer # 07V (A)         0.51         0.18         0.23         0.40         0.58         0.57         0.58         0.57         0.58         0.57         0.58         0.57         0.58         0.59         0	-											
Impact Server 4 897 (A)         0.15         0.24         0.33         0.48         0.53         0.77         0.87         1.07         0.87         0.80           Imate Server         4.0005 (Scook Lumes)         4.44         9.680         1.72         0.88         0.77         0.88         0.80           Stop Server         5.000 Server         5	-											
hptpt Current # 489V [A]0.110.880.290.370.480.590.660.770.880.56OpticT23000K lumont4.9419.06614.40919.0387.3.6897.3.6897.3.6877.3.8377.7.824.7.1114.0.7133000K lumont4.9410.06610.0268.1.00 C48.1.00 C4 <td>-</td> <td></td>	-											
Option         Addit Model Lummen         4.91         9.666         14.408         19.898         23.688         23.688         23.382         23.888         23.382         23.888         23.382         23.888         23.382         23.888         23.382         23.888         23.382         23.888         23.382         23.888         23.382         23.888         23.382         23.888         23.382         23.888         23.382         23.888         23.382         23.888         23.332         43.184         44.14         44.731         44.589           3000K Lummer         4.644         8.071         13.540         17.261         22.166         28.3926         31.371         35.544         39.046         43.048         43.048         43.048         43.048         43.048         43.048         43.048         43.048         43.048 <t< td=""><td>-</td><td></td><td></td><td></td><td></td><td></td><td>0.63</td><td></td><td></td><td></td><td></td><td></td></t<>	-						0.63					
4000K 5000K Lumenie         4,641         9,858         14,469         19,039         23,588         28,227         33,382         27,823         42,191         46,713           3000K Lumenie         4,374         6,874         12,764         16,852         20,858         28,497         23,582         23,481         37,347         41,350           4000K M000K Lumma         5,464         19,274         15,598         72,011         25,041         29,366         39,349         40,114         44,471         43,599           3000K Lumma         5,464         19,224         15,490         72,821         22,166         29,126         83,10-64         83,10-65         83,10-64         83,10-64         83,10-64         83,10-65         83,10-65         83,10-65         83,10-65         83,10-65         83,10-65         83,10-65         83,10-65         83,10-65         83,10-65	Input Curr	ent @ 480V (A)	0.11	0.18	0.29	0.37	0.48	0.59	0.66	0.77	0.88	0.96
1         1	Optics	1		1	1	1	1	1		r	1	
bitB		4000K/5000K Lumens	4,941	9,656	14,408	19,038	23,588	28,227	33,382	37,823	42,191	46,713
4000K5000K Lumens         6.240         10.251         15.296         20.211         26.041         29.860         8.4,89         40.64         44.791         46.852           3000K Lumens         4.644         0,704         15.340         77.80         22.666         26.523         15.71         35.644         38.940         48.950           13         4000K5000K Lumens         5.07         8.842         14.685         16.404         29.1071         25.043         35.0404         38.910-6         38.910-6         38.910-6         38.910-6         38.910-6         38.910-6         38.910-6         8.910-6	T2	3000K Lumens	4,374	8,547	12,754	16,852	20,880	24,987	29,550	33,481	37,347	41,350
bit         bit<         bit<         bit<         bit<		BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5
Buß Ann,         Bul-ue         Bul-u		4000K/5000K Lumens	5,246	10,251	15,296	20,211	25,041	29,966	35,439	40,154	44,791	49,592
4000K/5000K Lumens         5,037         8,842         14,685         19,404         24,041         28,770         34,024         38,551         43,003         47,612           3000K Lumens         4,489         8,772         12,989         17,176         21,281         25,467         30,106         38,10-05         82,10-05 <td< td=""><td>T2R</td><td>3000K Lumens</td><td>4,644</td><td>9,074</td><td>13,540</td><td>17,891</td><td>22,166</td><td>26,526</td><td>31,371</td><td>35,544</td><td>39,649</td><td>43,899</td></td<>	T2R	3000K Lumens	4,644	9,074	13,540	17,891	22,166	26,526	31,371	35,544	39,649	43,899
101000 Lunem4.4.594.7.1012.9.9917.109.7.1		BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
Image         Image <th< td=""><td></td><td>4000K/5000K Lumens</td><td>5,037</td><td>9,842</td><td>14,685</td><td>19,404</td><td>24,041</td><td>28,770</td><td>34,024</td><td>38,551</td><td>43,003</td><td>47,612</td></th<>		4000K/5000K Lumens	5,037	9,842	14,685	19,404	24,041	28,770	34,024	38,551	43,003	47,612
400K/500KLumen         5.148         10.061         15.011         19.835         24,576         29,049         34,780         39,478         49,781         49,781         49,781         49,781         49,781         49,781         49,781         49,781         49,781         49,781         49,781         49,781         49,781         49,781         49,781         49,781         49,781         49,781         49,781         49,771         15,781         20,701         45,714         49,703         49,781	Т3	3000K Lumens	4,459	8,712	12,999	17,176	21,281	25,467	30,118	34,125	38,066	42,146
B00K Lumen         4,557         8,969         13,280         17,580         21,755         26,033         30,797         48,484         38,391         43,302           B00K Lumen         61,050         18-10-02		BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
BUG RatingB1-Uo-GB1-Uo-GB2-Uo-GB2-Uo-GB3-Uo-GB3-Uo-GB3-Uo-GB3-Uo-GB3-Uo-GB3-Uo-GA000K 5000 K LumensJ.4.84B.7.00B.7.0011,77011,570Z.1.00Z.5.0130.2.031,27032,37332,37332,37332,37332,37332,37332,37332,37332,37332,37332,37342,89442,393A000K 5000 K LumensG.1000B1-Uo-GB1-Uo-GB1-Uo-GB1-Uo-GB1-Uo-GB1-Uo-GB1-Uo-GB1-Uo-GB1-Uo-GB1-Uo-GB1-Uo-GB1-UO-G<		4000K/5000K Lumens	5,148	10,061	15,011	19,835	24,576	29,409	34,780	39,408	43,959	48,669
4000K/500K Lumens         5.060         9.899         14.707         19.516         24.111         28.305         34.221         38.774         43.282         47.888           74FT         3000K Lumens         4.444         8.783         13.074         17.276         21.405         25.614         30.292         34.333         38.287         42.389           8UG Rating         B1-U0-C2         B1-U0-C2         B1-U0-C2         B2-U0-C3         B2-U0-C4         B3-U0-C4	T3R	3000K Lumens	4,557	8,906	13,288	17,558	21,755	26,033	30,787	34,884	38,913	43,082
T4F3000Lumen4.4.406.4.6013.0.4013.0.4017.0.7021.0.4083		BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
BUG RatingB1:Uo:QB1:Uo:QB2:Uo:QB2:Uo:QB2:Uo:QB3:UO:QB3:UO:QB3:UO <q< th="">B3:UO<q< td="" th<=""><td></td><td>4000K/5000K Lumens</td><td>5,066</td><td>9,899</td><td>14,770</td><td>19,516</td><td>24,181</td><td>28,936</td><td>34,221</td><td>38,774</td><td>43,252</td><td>47,888</td></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<>		4000K/5000K Lumens	5,066	9,899	14,770	19,516	24,181	28,936	34,221	38,774	43,252	47,888
4000K/5000Klumens5.0009.77114.57919.24423.86928.56233.77938.27442.89447.289TMW3000Klumens4.4268.64912.90517.05221.12925.28329.90133.80037.79341.843BUG RatingB1-U-G2B2-U-G2B2-U-G2B2-U-G3B3-U-G4B3-U-G4B3-U-G4B3-U-G5B3-U-G5B4-U-G5B4-U-G5S124000K/5000Klumens4.3339.63914.38319.00523.54728.17833.32437.78342.18446.83BUG RatingB1-U-G2B2-U-G2B2-U-G3B3-U-G3B3-U-G3B3-U-G4B3-U-G4B3-U-G5B4-U-G5B4-U-G5BUG RatingB1-U-G2B2-U-G2B2-U-G3B3-U-G3B3-U-G3B3-U-G4B3-U-G4B3-U-G4B3-U-G5B4-U-G5B4-U-G5MOK/5000Klumens5.0369.84114.68319.40124.03928.7643.01138.64442.99747.605S13B00K S000Klumens4.789B1-U-G2B1-U-G3B2-U-G4B3-U-G4B3-U-G4B3-U-G5<	T4FT	3000K Lumens	4,484	8,763	13,074	17,276	21,405	25,614	30,292	34,323	38,287	42,390
TAWe300K Lumens4.42e8.48e12.90c12.90c21.12921.20229.20c.381.00-6483.00-6483.00-6483.00-6683.00-6583.00		BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
HereBud RatingBud WeigBud Weig<		4000K/5000K Lumens	5,000	9,771	14,579	19,264	23,869	28,562	33,779	38,274	42,694	47,269
4000K/5000K Lumens4.9339.63914.38319.00523.54728.17833.24337.75842.11846.632SL23000K Lumens4.3678.53212.7216.82320.84424.94329.49833.42337.28341.719BLG Rating81-Uo-C2B2-Uo-C2B2-Uo-C3B2-Uo-C3B3-Uo-C3B3-Uo-C4B3-Uo-C4B3-Uo-C4B3-Uo-C5B4-Uo-C5B4-Uo-C5A000K/5000K Lumens4.4588.71112.97727.73427.87633.62438.54642.71738.64642.99747.876BUG RatingB1-Uo-C2B1-U0-C2B2-U0-C3B2-U0-C3B2-U0-C3B2-U0-C3B3-U0-C4B3-U0-C4B3-U0-C5	T4W	3000K Lumens	4,426	8,649	12,905	17,052	21,129	25,283	29,901	33,880	37,793	41,843
SL2300K Lumens4,3678,56217,73216,82320,84424,94329,94833,42537,28341,737BUG Rating81-U0-C282-U0-C382-U0-C383-U0-C383-U0-C383-U0-C483-U0-C483-U0-C483-U0-C584-		BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
HereBer ConstraintBer Constraint </td <td></td> <td>4000K/5000K Lumens</td> <td>4,933</td> <td>9,639</td> <td>14,383</td> <td>19,005</td> <td>23,547</td> <td>28,178</td> <td>33,324</td> <td>37,758</td> <td>42,118</td> <td>46,632</td>		4000K/5000K Lumens	4,933	9,639	14,383	19,005	23,547	28,178	33,324	37,758	42,118	46,632
A000K/500K Lumens5,0369,84114,68319,40124,03928,76634,01938,54642,99747,665SL3300K Lumens4,4588,71112,97717,17421,27925,46430,11434,12138,06142,140BUG RatingB1-U-G2B1-U-G2B2-U-G3B2-U-G3B3-U-G4B3-U-G4B3-U-G4B3-U-G5B3-U-G5B3-U-G5B3-U-G447,297SL43000K Lumens4,7849,35013,95118,43422,84027,32332,22336,62440,85440,054BUG RatingB1-U-G2B1-U-G3B1-U-G312,34916,31822,04022,37232,22336,62440,85440,054M00K/5000K Lumens51,14015,15420,01422,16422,16682,U-G583,U-G583,U-G583,U-G583,U-G583,U-G584,34949,102M00K/5000K Lumens51,90411,05015,15420,01421,94429,67035,08839,75744,34949,102M00K/5000K Lumens51,90413,05013,05017,71421,94826,26431,06035,19339,25843,455M00K S5000K Lumens5,29010,33715,42420,38025,25030,21735,73440,48945,16550,006M00K S5000K Lumens5,30413,05013,65014,04025,25630,21735,73440,58744,26550,198M00K S5000K Lumens5,30413,05014,65624,44<	SL2	3000K Lumens	4,367	8,532	12,732	16,823	20,844	24,943	29,498	33,423	37,283	41,279
SLA300K Lumens4.4588,71112.99717.17421.27925.46430.11434.12138.06142.10BG RatingB1-0-G2B1-0-G2B2-0-G3B2-0-G3B3-0-GB3-0-		BUG Rating		B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
SLA300K Lumens4.4588,71112.99717.17421.27925.46430.11434.12138.06142.10BG RatingB1-0-G2B1-0-G2B2-0-G3B2-0-G3B3-0-GB3-0-		4000K/5000K Lumens	5,036	9,841	14,683	19,401	24,039	28,766	34,019	38,546	42,997	47,605
BUG RatingB1-U0-C2B1-U0-C2B2-U0-C3B2-U0-C3B3-U0-C4B3-U0-C4B3-U0-C5B3-U0	SL3	3000K Lumens					21,279					
A000K/500K Lumens4.7849.35013.95118.43422.84027.32232.32336.62440.85445.232SLA3000K Lumens4.2358.27712.34916.31820.21824.19428.61232.42036.64440.039BUG RatingB1-U0-G2B1-U0-G3B1-U0-G3B1-U0-G3B2-U0-G4B2-U0-G4B2-U0-G5B2-U0-G5B3-U0-		BUG Rating										B3-U0-G5
SL43000K Lumens4,2558,27712,34916,31820,21824,19426,61232,42036,16440,039BUG RatingB1-UG-G2B1-UG-G2B1-UG-G3B1-UG-G3B2-UG-G4B2-UG-G4B2-UG-G5B3		-				18,434						
BUG RatingB1-U0-G2B1-U0-G3B1-U0-G3B2-U0-G4B2-U0-G4B2-U0-G5B2-U0-G5B3-U0	SL4											
4000K/5000K Lumens5,19410,15015,14520,01124,79429,67035,08839,75744,3949,1025NQ3000K Lumens4,5988,98513,40617,71421,94826,26431,00035,19339,25843,465BUG RatingB2-U0-C1B3-U0-C1B3-U0-C2B4-U0-C2B4-U0-C2B5-U0-C2B5-U0-C3B5-U0												
SNQ300K Lumens4,5986,98513,40617,71421,94826,26431,06035,19339,25843,465BG Rating82-U0-GI83-U0-GI83-U0-GI84-U0-CI84-U0-CI85-U0-GI85-U												
BUG RatingB2-U0-citB3-U0-citB3-U0-citB4-U0-citB4-U0-citB5-U0-cit <td>5NO</td> <td></td>	5NO											
4000K/5000K Lumens         5,290         10,337         15,424         20,380         25,250         30,217         35,734         40,489         45,165         50,006           5M0         3000K Lumens         4,683         9,150         13,653         18,040         22,351         26,748         31,632         35,841         39,980         44,265           BUG Rating         B3-U0-G1         B3-U0-G2         B4-U0-G2         B4-U0-G2         B5-U0-G3         B5-U0-G3         B5-U0-G3         B5-U0-G4	51442											
SMQ300K Lumens4,6839,15013,65318,04022,35126,74831,62035,84139,80044,265BUG RatingB3-UGB3-UGB4-UGB4-UGB5		-										
BUG Rating         B3-U0-GI         B3-U0-GI         B4-U0-GI         B4-U0-GI         B5-U0-GI	EMO											
4000K/5000K Lumens         5,304         10,365         15,465         20,434         25,318         30,297         35,830         40,597         45,286         50,139           5WQ         3000K Lumens         4,695         9,175         13,690         18,088         22,411         26,819         31,717         35,936         40,087         44,383           BUG Rating         B3-U0-G1         B4-U0-G2         B4-U0-G2         B5-U0-G3         B5-U0-G3         B5-U0-G4         B3-U0-G4	510102											
SWQ $300K Lumens$ $4,695$ $9,175$ $13,690$ $18,088$ $22,411$ $26,819$ $31,717$ $35,936$ $40,087$ $44,383$ BUG Rating $B3-U0-G1$ $B4-U0-G2$ $B4-U0-G2$ $B5-U0-G3$ $B5-U0-G3$ $B5-U0-G4$ <td></td> <td>-</td> <td></td>		-										
BUG Rating         B3-U0-G1         B4-U0-G2         B4-U0-G2         B5-U0-G3         B5-U0-G3         B5-U0-G4	514/0											
4000K/5000K Lumens         4,426         8,648         12,903         17,049         21,124         25,278         29,894         33,872         37,784         41,832           SLL/SLR         3000K Lumens         3,918         7,655         11,422         15,092         18,699         22,376         26,462         29,983         33,466         37,030           BUG Rating         B1-U0-G2         B1-U0-G2         B2-U0-G3         B2-U0-G3         B2-U0-G4         B3-U0-G4         B3-U0-G5         B3-U0-G5 <td>5000</td> <td></td>	5000											
SLL/SLR         300K Lumens         3,918         7,655         11,422         15,092         18,699         22,376         26,462         29,983         33,446         37,000           BUG Rating         B1-U0-G2         B1-U0-G2         B2-U0-G3         B2-U0-G3         B2-U0-G4         B3-U0-G4         B3-U0-G5		-										
BUG Rating         B1-U0-G2         B1-U0-G2         B2-U0-G3         B2-U0-G3         B2-U0-G3         B3-U0-G3												
4000K/5000K Lumens         5,147         10,058         15,009         19,830         24,570         29,402         34,771         39,399         43,949         48,658           RW         3000K Lumens         4,556         8,903         13,286         17,554         21,749         26,027         30,779         34,876         38,904         43,072           BUG Rating         B2-U0-G1         B3-U0-G1         B3-U0-G2         B4-U0-G2         B4-U0-G2         B5-U0-G3	SLL/SLR											
RW         3000K Lumens         4,556         8,903         13,286         17,554         21,749         26,027         30,779         34,876         38,904         43,072           BUG Rating         B2-U0-G1         B3-U0-G1         B3-U0-G2         B4-U0-G2         B4-U0-G2         B5-U0-G3         B5-U0-G3 <t< td=""><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>B3-U0-G5</td></t<>		-										B3-U0-G5
BUG Rating         B2-U0-G1         B3-U0-G1         B3-U0-G2         B4-U0-G2         B4-U0-G2         B5-U0-G3												48,658
4000K/5000K Lumens 5,166 10,095 15,063 19,903 24,659 29,509 34,898 39,542 44,108 48,835	RW											
												B5-U0-G4
AFL         3000K Lumens         4,573         8,936         13,334         17,618         21,828         26,121         30,892         35,003         39,044         43,229		4000K/5000K Lumens	5,166				24,659	29,509				
	AFL	3000K Lumens	4,573	8,936	13,334	17,618	21,828	26,121	30,892	35,003	39,044	43,229
BUG Rating B1-U0-G1 B1-U0-G1 B2-U0-G2 B2-U0-G2 B3-U0-G2 B3-U0-G3 B3-U0-G3-U0-G3 B3-U0-G3 B3-U		-	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3



#### NOMINAL POWER LUMENS (600MA)

	· · · · ·		· · · · · ·	· · · · · · · · · · · · · · · · · · ·						
f Light Squares	1	2	3	4	5	6	7	8	9	10
ower (Watts)	34	66	96	129	162	193	226	257	290	323
ent @ 120V (A)	0.30	0.58	0.86	1.16	1.44	1.73	2.03	2.33	2.59	2.89
ent @ 208V (A)	0.17	0.34	0.49	0.65	0.84	0.99	1.14	1.30	1.48	1.63
ent @ 240V (A)	0.15	0.30	0.43	0.56	0.74	0.87	1.00	1.13	1.30	1.43
ent @ 277V (A)	0.14	0.28	0.41	0.52	0.69	0.81	0.93	1.04	1.22	1.33
ent @ 347V (A)	0.11	0.19	0.30	0.39	0.49	0.60	0.69	0.77	0.90	0.99
ent @ 480V (A)	0.08	0.15	0.24	0.30	0.38	0.48	0.53	0.59	0.71	0.77
4000K/5000K Lumens	4,029	7,874	11,749	15,525	19,235	23,019	27,222	30,844	34,406	38,093
3000K Lumens	3,566	6,970	10,400	13,743	17,027	20,376	24,097	27,303	30,456	33,720
BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4
4000K/5000K Lumens	4,278	8,360	12,474	16,482	20,421	24,437	28,900	32,745	36,527	40,441
3000K Lumens	3,787	7,400	11,042	14,590	18,077	21,632	25,582	28,986	32,334	35,798
BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4
4000K/5000K Lumens	4,107	8,026	11,976	15,824	19,605	23,461	27,746	31,438	35,068	38,827
3000K Lumens	3,636	7,105	10,601	14,007	17,354	20,768	24,561	27,829	31,042	34,370
BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
4000K/5000K Lumens	4,198	8,205	12,242	16,175	20,041	23,982	28,363	32,137	35,848	39,689
										35,133
										B3-U0-G5
										39,052
										34,569
										B3-U0-G5
-										
										38,547
										34,122
-										B3-U0-G5
										38,028
										33,662
-										B3-U0-G5
										38,821
										34,364
-										B3-U0-G5
4000K/5000K Lumens	3,902	7,624	11,377		18,626	22,289	26,359		33,316	36,886
3000K Lumens	3,454	6,749	10,071		16,488	19,730	23,333		29,491	32,651
BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-110-G4	B2-110-G4	B2-110-G4	B2-U0-G5	B3-U0-G5	
4000K/5000K Lumens					D2 00 04	D2-00-04	D2 00 04	52 00 00	00 00 00	B3-U0-G5
	4,236	8,277	12,351	16,319	20,219	24,196	28,614	32,422	36,166	B3-U0-G5 40,042
3000K Lumens	4,236 3,750	8,277 7,327	12,351 10,933	16,319 14,446						
					20,219	24,196	28,614	32,422	36,166	40,042
3000K Lumens	3,750	7,327	10,933	14,446	20,219 17,898	24,196 21,418	28,614 25,329	32,422 28,700	36,166 32,014	40,042 35,445
3000K Lumens BUG Rating	3,750 B2-U0-G1	7,327 B3-U0-G1	10,933 B3-U0-G2	14,446 B3-U0-G2	20,219 17,898 B4-U0-G2	24,196 21,418 B4-U0-G2	28,614 25,329 B4-U0-G2	32,422 28,700 B5-U0-G2	36,166 32,014 B5-U0-G3	40,042 35,445 B5-U0-G3
3000K Lumens BUG Rating 4000K/5000K Lumens	3,750 B2-U0-G1 4,314	7,327 B3-U0-G1 8,429	10,933 B3-U0-G2 12,578	14,446 B3-U0-G2 16,619	20,219 17,898 B4-U0-G2 20,591	24,196 21,418 B4-U0-G2 24,641	28,614 25,329 B4-U0-G2 29,141	32,422 28,700 B5-U0-G2 33,019	36,166 32,014 B5-U0-G3 36,832	40,042 35,445 B5-U0-G3 40,779
3000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens	3,750 B2-U0-G1 4,314 3,819	7,327 B3-U0-G1 8,429 7,461	10,933 B3-U0-G2 12,578 11,134	14,446 B3-U0-G2 16,619 14,711	20,219 17,898 B4-U0-G2 20,591 18,227	24,196 21,418 B4-U0-G2 24,641 21,812	28,614 25,329 B4-U0-G2 29,141 25,796	32,422 28,700 B5-U0-G2 33,019 29,228	36,166 32,014 B5-U0-G3 36,832 32,604	40,042 35,445 B5-U0-G3 40,779 36,098
3000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens BUG Rating	3,750 B2-U0-G1 4,314 3,819 B3-U0-G1	7,327 B3-U0-G1 8,429 7,461 B3-U0-G2	10,933 B3-U0-G2 12,578 11,134 B4-U0-G2	14,446 B3-U0-G2 16,619 14,711 B4-U0-G2	20,219 17,898 B4-U0-G2 20,591 18,227 B4-U0-G2	24,196 21,418 B4-U0-G2 24,641 21,812 B5-U0-G3	28,614 25,329 B4-U0-G2 29,141 25,796 B5-U0-G3	32,422 28,700 B5-U0-G2 33,019 29,228 B5-U0-G4	36,166 32,014 B5-U0-G3 36,832 32,604 B5-U0-G4	40,042 35,445 B5-U0-G3 40,779 36,098 B5-U0-G4
3000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens BUG Rating 4000K/5000K Lumens	3,750 B2-U0-G1 4,314 3,819 B3-U0-G1 4,325	7,327 B3-U0-G1 8,429 7,461 B3-U0-G2 8,452	10,933 B3-U0-G2 12,578 11,134 B4-U0-G2 12,611	14,446 B3-U0-G2 16,619 14,711 B4-U0-G2 16,664	20,219 17,898 B4-U0-G2 20,591 18,227 B4-U0-G2 20,646	24,196 21,418 B4-U0-G2 24,641 21,812 B5-U0-G3 24,707	28,614 25,329 B4-U0-G2 29,141 25,796 B5-U0-G3 29,219	32,422 28,700 B5-U0-G2 33,019 29,228 B5-U0-G4 33,106	36,166 32,014 B5-U0-G3 36,832 32,604 B5-U0-G4 36,930	40,042 35,445 B5-U0-G3 40,779 36,098 B5-U0-G4 40,888
3000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens	3,750 B2-U0-G1 4,314 3,819 B3-U0-G1 4,325 3,828	7,327 B3-U0-G1 8,429 7,461 B3-U0-G2 8,452 7,482	10,933 B3-U0-G2 12,578 11,134 B4-U0-G2 12,611 11,163	14,446 B3-U0-G2 16,619 14,711 B4-U0-G2 16,664 14,751	20,219 17,898 B4-U0-G2 20,591 18,227 B4-U0-G2 20,646 18,276	24,196 21,418 B4-U0-G2 24,641 21,812 B5-U0-G3 24,707 21,871	28,614 25,329 B4-U0-G2 29,141 25,796 B5-U0-G3 29,219 25,865	32,422 28,700 B5-U0-G2 33,019 29,228 B5-U0-G4 33,106 29,305	36,166 32,014 B5-U0-G3 36,832 32,604 B5-U0-G4 36,930 32,690	40,042 35,445 B5-U0-G3 40,779 36,098 B5-U0-G4 40,888 36,194
3000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens BUG Rating 3000K Lumens BUG Rating	3,750 B2-U0-G1 4,314 3,819 B3-U0-G1 4,325 3,828 B3-U0-G1	7,327 B3-U0-G1 8,429 7,461 B3-U0-G2 8,452 7,482 B3-U0-G2	10,933 B3-U0-G2 12,578 11,134 B4-U0-G2 12,611 11,163 B4-U0-G2	14,446 B3-U0-G2 16,619 14,711 B4-U0-G2 16,664 14,751 B4-U0-G2	20,219 17,898 B4-U0-G2 20,591 18,227 B4-U0-G2 20,646 18,276 B5-U0-G3	24,196 21,418 B4-U0-G2 24,641 21,812 B5-U0-G3 24,707 21,871 B5-U0-G3	28,614 25,329 B4-U0-G2 29,141 25,796 B5-U0-G3 29,219 25,865 B5-U0-G4	32,422 28,700 B5-U0-G2 33,019 29,228 B5-U0-G4 33,106 29,305 B5-U0-G4	36,166 32,014 B5-U0-G3 36,832 32,604 B5-U0-G4 36,930 32,690 B5-U0-G4	40,042 35,445 B5-U0-G3 40,779 36,098 B5-U0-G4 40,888 36,194 B5-U0-G4
3000K Lumens BUG Rating 4000K/5000K Lumens BUG Rating 4000K/5000K Lumens BUG Rating BUG Rating 4000K/5000K Lumens	3,750 B2-U0-G1 4,314 3,819 B3-U0-G1 4,325 3,828 B3-U0-G1 3,609	7,327 B3-U0-G1 8,429 7,461 B3-U0-G2 8,452 7,482 B3-U0-G2 7,052	10,933 B3-U0-G2 12,578 11,134 B4-U0-G2 12,611 11,163 B4-U0-G2 10,522	14,446 B3-U0-G2 16,619 14,711 B4-U0-G2 16,664 14,751 B4-U0-G2 13,903	20,219 17,898 B4-U0-G2 20,591 18,227 B4-U0-G2 20,646 18,276 B5-U0-G3 17,226	24,196 21,418 B4-U0-G2 24,641 21,812 B5-U0-G3 24,707 21,871 B5-U0-G3 20,613	28,614 25,329 B4-U0-G2 29,141 25,796 B5-U0-G3 29,219 25,865 B5-U0-G4 24,378	32,422 28,700 B5-U0-G2 33,019 29,228 B5-U0-G4 33,106 29,305 B5-U0-G4 27,622	36,166 32,014 B5-U0-G3 36,832 32,604 B5-U0-G4 36,930 32,690 B5-U0-G4 30,812	40,042 35,445 B5-U0-G3 40,779 36,098 B5-U0-G4 40,888 36,194 B5-U0-G4 34,114
3000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens BUG Rating 4000K/5000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens	3,750 B2-U0-G1 4,314 3,819 B3-U0-G1 4,325 3,828 B3-U0-G1 3,609 3,195	7,327 B3-U0-G1 8,429 7,461 B3-U0-G2 8,452 7,482 B3-U0-G2 7,052 6,242	10,933 B3-U0-G2 12,578 11,134 B4-U0-G2 12,611 11,163 B4-U0-G2 10,522 9,314	14,446 B3-U0-G2 16,619 14,711 B4-U0-G2 16,664 14,751 B4-U0-G2 13,903 12,307	20,219 17,898 B4-U0-G2 20,591 18,227 B4-U0-G2 20,646 18,276 B5-U0-G3 17,226 15,248	24,196 21,418 B4-U0-G2 24,641 21,812 B5-U0-G3 24,707 21,871 B5-U0-G3 20,613 18,247	28,614 25,329 B4-U0-G2 29,141 25,796 B5-U0-G3 29,219 25,865 B5-U0-G4 24,378 21,579	32,422 28,700 B5-U0-G2 33,019 29,228 B5-U0-G4 29,305 B5-U0-G4 27,622 24,451	36,166 32,014 B5-U0-G3 36,832 32,604 B5-U0-G4 36,930 32,690 B5-U0-G4 30,812 27,275	40,042 35,445 B5-U0-G3 40,779 36,098 B5-U0-G4 40,888 36,194 B5-U0-G4 34,114 30,198
3000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens BUG Rating 3000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens BUG Rating	3,750 B2-U0-G1 4,314 3,819 B3-U0-G1 4,325 3,828 B3-U0-G1 3,609 3,195 B1-U0-G1	7,327 B3-U0-G1 8,429 7,461 B3-U0-G2 8,452 7,482 B3-U0-G2 7,052 6,242 B1-U0-G2	10,933 B3-U0-G2 12,578 11,134 B4-U0-G2 12,611 11,163 B4-U0-G2 10,522 9,314 B1-U0-G3	14,446 B3-U0-G2 16,619 14,711 B4-U0-G2 16,664 14,751 B4-U0-G2 13,903 12,307 B2-U0-G3	20,219 17,898 B4-U0-G2 20,591 18,227 B4-U0-G2 20,646 18,276 B5-U0-G3 17,226 15,248 B2-U0-G3	24,196 21,418 B4-U0-G2 24,641 21,812 B5-U0-G3 24,707 21,871 B5-U0-G3 20,613 18,247 B2-U0-G4	28,614 25,329 B4-U0-G2 29,141 25,796 B5-U0-G3 29,219 25,865 B5-U0-G4 24,378 21,579 B3-U0-G4	32,422 28,700 B5-U0-G2 33,019 29,228 B5-U0-G4 29,305 B5-U0-G4 27,622 24,451 B3-U0-G4	36,166 32,014 B5-U0-G3 36,832 32,604 B5-U0-G4 36,930 32,690 B5-U0-G4 30,812 27,275 B3-U0-G5	40,042 35,445 B5-U0-G3 40,779 36,098 B5-U0-G4 40,888 36,194 B5-U0-G4 34,114 30,198 B3-U0-G5
3000K Lumens BUG Rating 4000K/5000K Lumens BUG Rating 4000K/5000K Lumens BUG Rating 4000K/5000K Lumens BUG Rating BUG Rating 4000K/S000K Lumens	3,750 B2-U0-G1 4,314 3,819 B3-U0-G1 4,325 3,828 B3-U0-G1 3,609 3,195 B1-U0-G1 4,197	7,327 B3-U0-G1 8,429 7,461 B3-U0-G2 8,452 7,482 B3-U0-G2 6,242 B1-U0-G2 8,202	10,933 B3-U0-G2 12,578 11,134 B4-U0-G2 12,611 11,163 B4-U0-G2 10,522 9,314 B1-U0-G3 12,239	14,446 B3-U0-G2 16,619 14,711 B4-U0-G2 16,664 14,751 B4-U0-G2 13,903 12,307 B2-U0-G3 16,171	20,219 17,898 B4-U0-G2 20,591 18,227 B4-U0-G2 20,646 18,276 B5-U0-G3 17,226 15,248 B2-U0-G3 20,036	24,196 21,418 B4-U0-G2 24,641 21,812 B5-U0-G3 24,707 21,871 B5-U0-G3 20,613 18,247 B2-U0-G4 23,977	28,614 25,329 B4-U0-G2 29,141 25,796 B5-U0-G3 29,219 25,865 B5-U0-G4 24,378 21,579 B3-U0-G4 28,356	32,422 28,700 B5-U0-G2 33,019 29,228 B5-U0-G4 33,106 29,305 B5-U0-G4 27,622 24,451 B3-U0-G4 32,129	36,166 32,014 B5-U0-G3 36,832 32,604 B5-U0-G4 36,930 32,690 B5-U0-G4 30,812 27,275 B3-U0-G5 35,839	40,042 35,445 B5-U0-G3 40,779 36,098 B5-U0-G4 40,888 36,194 B5-U0-G4 34,114 30,198 B3-U0-G5 39,680
3000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens BUG Rating 4000K/5000K Lumens BUG Rating 4000K/5000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens	3,750 B2-U0-G1 4,314 3,819 B3-U0-G1 4,325 3,828 B3-U0-G1 3,609 3,195 B1-U0-G1 4,197 3,715	7,327 B3-U0-G1 8,429 7,461 B3-U0-G2 8,452 7,482 B3-U0-G2 8,202 6,242 B1-U0-G2 8,202 7,260	10,933 B3-U0-G2 12,578 11,134 B4-U0-G2 12,611 11,163 B4-U0-G2 10,522 9,314 B1-U0-G3 12,239 10,834	14,446 B3-U0-G2 16,619 14,711 B4-U0-G2 16,664 14,751 B4-U0-G2 13,903 12,307 B2-U0-G3 16,171 14,315	20,219 17,898 B4-U0-G2 20,591 18,227 B4-U0-G2 20,646 18,276 B5-U0-G3 17,226 15,248 B2-U0-G3 20,036 17,736	24,196 21,418 B4-U0-G2 24,641 21,812 B5-U0-G3 24,707 21,871 B5-U0-G3 20,613 18,247 B2-U0-G4 23,977 21,224	28,614 25,329 B4-U0-G2 29,141 25,796 B5-U0-G3 29,219 25,865 B5-U0-G4 24,378 21,579 B3-U0-G4 28,356 25,101	32,422 28,700 B5-U0-G2 33,019 29,228 B5-U0-G4 33,106 29,305 B5-U0-G4 27,622 24,451 B3-U0-G4 32,129 28,441	36,166 32,014 B5-U0-G3 36,832 32,604 B5-U0-G4 36,930 32,690 B5-U0-G4 30,812 27,275 B3-U0-G5 35,839 31,725	40,042 35,445 B5-U0-G3 40,779 36,098 B5-U0-G4 40,888 36,194 B5-U0-G4 34,114 30,198 B3-U0-G5 39,680 35,125
3000K Lumens BUG Rating 4000K/5000K Lumens BUG Rating 4000K/5000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens BUG Rating 4000K/5000K Lumens BUG Rating BUG Rating	3,750 B2-U0-G1 4,314 3,819 B3-U0-G1 4,325 3,828 B3-U0-G1 3,609 3,195 B1-U0-G1 4,197 3,715 B2-U0-G1	7,327 B3-U0-G1 8,429 7,461 B3-U0-G2 8,452 7,482 B3-U0-G2 6,242 B1-U0-G2 8,202 7,260 B3-U0-G1	10,933 B3-U0-G2 12,578 11,134 B4-U0-G2 12,611 11,163 B4-U0-G2 10,522 9,314 B1-U0-G3 12,239 10,834 B3-U0-G2	14,446 B3-U0-G2 16,619 14,711 B4-U0-G2 16,664 14,751 B4-U0-G2 13,903 12,307 B2-U0-G3 16,171 14,315 B4-U0-G2	20,219 17,898 B4-U0-G2 20,591 18,227 B4-U0-G2 20,646 18,276 B5-U0-G3 17,226 15,248 B2-U0-G3 20,036 17,736 B4-U0-G2	24,196 21,418 B4-U0-G2 24,641 21,812 B5-U0-G3 24,707 21,871 B5-U0-G3 20,613 18,247 B2-U0-G4 23,977 21,224 B4-U0-G2	28,614 25,329 B4-U0-G2 29,141 25,796 B5-U0-G3 29,219 25,865 B5-U0-G4 24,378 21,579 B3-U0-G4 28,356 25,101 B4-U0-G2	32,422 28,700 B5-U0-G2 33,019 29,228 B5-U0-G4 33,106 29,305 B5-U0-G4 27,622 24,451 B3-U0-G4 32,129 28,441 B5-U0-G3	36,166 32,014 B5-U0-G3 36,832 32,604 B5-U0-G4 36,930 32,690 B5-U0-G4 30,812 27,275 B3-U0-G5 35,839 31,725 B5-U0-G3	40,042 35,445 B5-U0-G3 40,779 36,098 B5-U0-G4 40,888 36,194 B5-U0-G4 34,114 30,198 B3-U0-G5 39,680 35,125 B5-U0-G3
e	ent @ 120V (A) ent @ 208V (A) ent @ 240V (A) ent @ 240V (A) ent @ 277V (A) ent @ 347V (A) ent @ 347V (A) ent @ 347V (A) ent @ 347V (A) ent @ 3480V (A) ent @ 3	ant @ 120V (A)         0.30           ant @ 208V (A)         0.17           ant @ 240V (A)         0.15           ant @ 277V (A)         0.14           ant @ 347V (A)         0.11           ant @ 347V (A)         0.11           ant @ 347V (A)         0.08           4000K/5000K Lumens         4,029           3000K Lumens         3,566           BUG Rating         B1-U0-G1           4000K/5000K Lumens         4,278           3000K Lumens         3,787           BUG Rating         B1-U0-G1           4000K/5000K Lumens         4,107           3000K Lumens         3,636           BUG Rating         B1-U0-G1           4000K/5000K Lumens         4,198           3000K Lumens         3,716           BUG Rating         B1-U0-G1           4000K/5000K Lumens         4,131           3000K Lumens         3,657           BUG Rating         B1-U0-G1           4000K/5000K Lumens         4,022           3000K Lumens         3,659           BUG Rating         B1-U0-G1           4000K/5000K Lumens         4,022           3000K Lumens         3,560           BUG Rating	ent @ 120V (A)         0.30         0.58           ent @ 208V (A)         0.17         0.34           ent @ 240V (A)         0.15         0.30           ent @ 240V (A)         0.14         0.28           ent @ 347V (A)         0.11         0.19           ent @ 347V (A)         0.08         0.15           4000K/5000K Lumens         4,029         7,874           3000K Lumens         3,566         6,970           BUG Rating         B1-U0-G1         B1-U0-G2           4000K/5000K Lumens         4,278         8,360           3000K Lumens         3,787         7,400           BUG Rating         B1-U0-G1         B1-U0-G2           4000K/5000K Lumens         4,107         8,026           3000K Lumens         3,636         7,105           BUG Rating         B1-U0-G1         B1-U0-G2           4000K/5000K Lumens         4,198         8,205           3000K Lumens         3,636         7,145           BUG Rating         B1-U0-G1         B1-U0-G2           4000K/5000K Lumens         4,077         7,968           3000K Lumens         3,669         7,053           BUG Rating         B1-U0-G1         B1-U0-G2	ent @ 120V (A)         0.30         0.58         0.86           ent @ 208V (A)         0.17         0.34         0.49           ent @ 240V (A)         0.15         0.30         0.43           ent @ 240V (A)         0.14         0.28         0.41           ent @ 240V (A)         0.11         0.19         0.30           ent @ 347V (A)         0.11         0.19         0.30           ent @ 347V (A)         0.08         0.15         0.24           4000K/5000K Lumens         4,029         7,874         11,749           3000K Lumens         3,566         6,970         10,400           BUG Rating         B1-U0-G1         B1-U0-G2         B2-U0-G2           4000K/5000K Lumens         4,278         8,360         12,474           3000K Lumens         3,787         7,400         11,042           BUG Rating         B1-U0-G1         B1-U0-G2         B2-U0-G2           4000K/5000K Lumens         4,107         8,026         11,976           3000K Lumens         3,636         7,105         10,601           BUG Rating         B1-U0-G1         B1-U0-G2         B2-U0-G2           4000K/5000K Lumens         4,131         8,072         12,045	ant @ 120V (A)         0.30         0.58         0.86         1.16           ant @ 208V (A)         0.17         0.34         0.49         0.65           ant @ 240V (A)         0.15         0.30         0.43         0.56           ant @ 240V (A)         0.14         0.28         0.41         0.52           ant @ 347V (A)         0.11         0.19         0.30         0.39           ant @ 340V (A)         0.10         0.19         0.30         0.39           ant @ 340V (A)         0.11         0.19         0.30         0.39           ant @ 340V (A)         0.10         0.17         0.30         0.39           ant @ 340V (A)         0.10         0.17         0.30         0.39           ant @ 340V (A)         0.08         0.15         0.24         0.30           4000K/5000K Lumens         4,029         7,874         11,749         15,525           3000K Lumens         3,566         6,970         10,400         13,743           BUG Rating         B1-U0-G1         B1-U0-G2         B2-U0-G2         B2-U0-G2           4000K/5000K Lumens         4,107         8,026         11,976         15,824           300K Lumens         3,716	ant @ 120V (A)         0.30         0.58         0.86         1.16         1.44           ant @ 208V (A)         0.17         0.34         0.49         0.65         0.84           ant @ 208V (A)         0.15         0.30         0.43         0.56         0.74           ant @ 277V (A)         0.14         0.28         0.41         0.52         0.69           ant @ 347V (A)         0.11         0.19         0.30         0.39         0.49           ant @ 480V (A)         0.08         0.15         0.24         0.30         0.38           4000K/5000K Lumens         4.029         7.874         11,749         15,525         19,235           3000K Lumens         3,566         6.970         10,400         13,743         17,027           BUG Rating         B1-U0-G1         B1-U0-G2         B2-U0-G2         B2-U0-G2         B2-U0-G3           4000K/5000K Lumens         3,787         7,400         11,042         14,580         18,077           BUG Rating         B1-U0-G1         B1-U0-G2         B2-U0-G2         B2-U0-G3         83-063           4000K/5000K Lumens         3,666         7,105         10,601         14,007         17,354           BUG Rating	ent @ 120V (A)         0.30         0.58         0.86         1.16         1.44         1.73           ant @ 208V (A)         0.17         0.34         0.49         0.65         0.84         0.99           ant @ 208V (A)         0.15         0.30         0.43         0.56         0.74         0.87           ant @ 277V (A)         0.14         0.28         0.41         0.52         0.69         0.81           ant @ 277V (A)         0.11         0.19         0.30         0.39         0.49         0.60           ant @ 37V (A)         0.11         0.19         0.30         0.39         0.49         0.60           ant @ 480V (A)         0.08         0.15         0.24         0.30         0.39         0.49         0.60           ant @ 480V (A)         0.08         0.15         0.24         0.30         0.39         0.49         0.60           ant @ 450V (A)         0.08         0.15         0.24         0.30         0.39         0.49         0.60           ant @ 450V (A)         0.08         0.15         0.24         0.30         0.39         0.49         0.60           ant @ 450V (A)         0.081         1.474         16.482         20.4	nt @ 120v (A)         0.30         0.58         0.86         1.16         1.44         1.73         2.03           ant @ 208V (A)         0.17         0.34         0.49         0.65         0.84         0.99         1.14           ant @ 208V (A)         0.15         0.30         0.43         0.56         0.74         0.87         1.00           ant @ 240V (A)         0.14         0.28         0.41         0.52         0.69         0.81         0.93           ant @ 347V (A)         0.11         0.19         0.30         0.39         0.49         0.60         0.69           ant @ 480V (A)         0.08         0.15         0.24         0.30         0.38         0.49         0.60         0.69           ant @ 480V (A)         0.08         0.15         0.24         0.30         0.38         0.49         0.60         0.69           ant @ 480V (A)         0.08         0.11         0.14         0.30         0.38         0.43         0.400         3.743         17.027         20.376         24.997           BUG Rating         B1-U0-G1         B1-U-G2         B2-U0-G2         B2-U0-G2         B3-U0-G3         B3-U0-G3         B3-U0-G3         B3-U0-G3         B3-U0-G3<	ant e         10.30         0.58         0.86         1.16         1.44         1.73         2.03         2.33           ant e         209V (A)         0.17         0.34         0.49         0.65         0.84         0.99         1.14         1.30           ant e         209V (A)         0.15         0.30         0.43         0.66         0.74         0.87         1.00         1.13           ant e         27V (A)         0.11         0.19         0.30         0.39         0.49         0.60         0.60         0.77           ant e         347V (A)         0.11         0.19         0.30         0.39         0.48         0.65         0.67         0.53         0.55           ant e         3400         0.86         0.15         0.24         0.30         0.38         0.48         0.53         0.53           a000K/5000K Lumens         4.029         7.874         11.749         15.525         19.235         23.019         24.097         27.333           BUG Rating         B1-U0-G1         B1-U0-G2         B2-U0-G2         B2-U0-G2         B3-U0-G3         B3-U0-G4         B3-U0-G4         B3-U0-G4         B3-U0-G4         B3-U0-G4         B3-U0-G4         B3-U0-G4	nn é 220V (A)         0.30         0.58         0.86         1.16         1.44         1.73         2.03         2.53         2.59           nn é 220V (A)         0.77         0.34         0.49         0.65         0.84         0.99         1.14         1.30         1.48           nn é 220V (A)         0.15         0.30         0.49         0.65         0.74         0.87         1.00         1.13         1.30         1.44           nn é 227V (A)         0.14         0.28         0.41         0.52         0.69         0.60         0.69         0.77         0.90           nn é 237V (A)         0.40         0.11         0.19         0.30         0.39         0.49         0.60         0.69         0.77         0.90           nn é 420V (A)         0.68         0.71         0.72         0.237         24.097         27.22         9.0844         34.066           3000K Lumens         3.566         6.970         10.40         13.743         17.027         20.376         24.097         27.333         30.464         83-U0-64         83



#### CONTROL OPTIONS

#### 0-10V (DIM)

This fixture is offered standard with 0-10V dimming driver(s). The DIM option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

#### Photocontrol (P, R and PER7)

Optional button-type photocontrol (P) and photocontrol receptacles (R and PER7) provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PER7 receptacle.

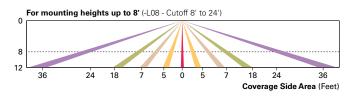
#### After Hours Dim (AHD)

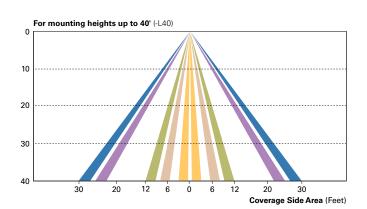
This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a "dusk-to-dawn" period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

#### Dimming Occupancy Sensor (MS/DIM-LXX, MS/X-LXX and MS-LXX)

These sensors are factory installed in the luminaire housing. When the MS/DIM-LXX sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes. The MS-LXX sensor is factory preset to turn the luminaire off after five minutes of no activity. The MS/X-LXX is also preset for five minutes and only controls the specified number of light engines to maintain steady output from the remaining light engines.

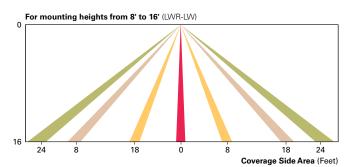
These occupancy sensors includes an integral photocell that can be activated with the FSIR-100 accessory for "dusk-to-dawn" control or daylight harvesting - the factory preset is OFF. The FSIR-100 is a wireless tool utilized for changing the dimming level, time delay, sensitivity and other parameters. A variety of sensor lens are available to optimize the coverage. pattern for mounting heights from 8'-40'.



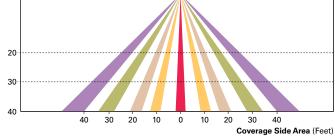




The Eaton's LumaWatt Pro powered by Enlighted is a connected lighting solution that combines a broad selection of energy-efficient LED luminaires with a powerful integrated wireless sensor system. The sensor controls the lighting system in compliance with the latest energy codes and collects valuable data about building performance and use. Software applications turn the granular data into information through energy dashboards and specialized apps that make it simple and help optimize the use of building resources, beyond lighting.



# For mounting heights from 16' to 40' (LWR-LN) 0



#### WaveLinx Wireless Outdoor Lighting Control Module (WOLC-7P-10A)

The 7-pin wireless outdoor lighting control module enables WaveLinx to control outdoor area, site and flood lighting. WaveLinx controls outdoor lighting using schedules to provide ON, OFF and dimming controls based on astronomic or time schedules based on a 7 day week.

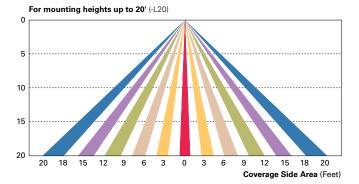
#### LumenSafe Integrated Network Security Camera (LD)

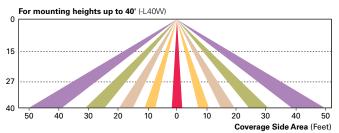
Eaton brings ease of camera deployment to a whole new level. No additional wiring is needed beyond providing line power to the luminaire. A variety of networking options allows security integrators to design the optimal solution for active surveillance. As the ideal solution to meet the needs for active surveillance, the LumenSafe integrated network camera is a streamlined, outdoor-ready fixed dome that provides HDTV 1080p video. This IP camera is optimally designed for deployment in the video management system or security software platform of choice.



#### Eaton 1121 Highway 74 South Peachtree City, GA 30269 P: 770-486-4800 www.eaton.com/lighting

Specifications and dimensions subject to change without notice.





Sample Number: GLEON-AF-04-LED-E1-T3-GM-QM

Product Family <sup>1, 2</sup>	Light Engine	Number of Light Squares <sup>3</sup>	Lamp Туре	Voltage	Distribution		Color	Mounting
GLEON=Galleon	( <b>AF=</b> 1A Drive) Current	01=1 02=2 03=3 04=4 06=5 <sup>4</sup> 06=6 07=7 <sup>5</sup> 08=8 <sup>5</sup> 09=9 <sup>6</sup> 10=10 <sup>6</sup>	LED=Solid State Light Emitting Diodes	E1=120-277V 347=347V <sup>7</sup> 480=480V <sup>7.8</sup>	T2=Type II T2R=Type II Roadway T3=Type III Roadway T3FT=Type III Roadway T4FT=Type IV Forward Throw T4W=Type IV Vide 5NQ=Type V Square Medium 5WQ=Type V Square Medium 5WQ=Type V Square Medium 5WQ=Type IV Spill Control SL3=Type II w/Spill Control SL4=Type II w/Spill Control SL4=90° Spill Light Eliminator Left SLR=90° Spill Light Eliminator Left SLR=90° Spill Light Eliminator Right RW=Rectangular Wide Type I AFL=Automotive Frontline		AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White	[Blank]=Arm for Round or Square Pole EA=Extended Arm <sup>9</sup> MA=Mast Arm Adapter <sup>10</sup> WM=Wall Mount QM=Quick Mount Arm (Standard Length) <sup>11</sup> QMEA=Quick Mount Arm (Extended Length) <sup>12</sup>
Options (Add as S	uffix)		•		•	Accessories (Order	Separately)	
PER7=NEMÄ 7-PIN R=NEMA Twistlocl AHD145=After Hou AHD245=After Hou AHD255=After Hou AHD355=After Hou AHD355=After Hou AHD355=After Hou MS/DIM-L08=Moti MS/DIM-L40=Moti MS/DIM-L40=Moti MS/DIM-L40=Motion S/X-L40=Bi-Leve MS/X-L40=Bi-Leve MS/X-L40=Bi-Leve MS/X-L40=Bi-Leve MS/X-L40=Bi-Leve MS/X-L40=Bi-Leve MS/X-L40=Bi-Leve MS-L20=Motion SI MS-L40=Motion SI	(14 (13 (13 Factory Set to N. Factory Set to N. Factory Set to N. (14) (15) (14) (15) (14) (15)	ominal 800mA Jominal 800mA Jost Specify Vol Must Specify Vol Must Specify Vol Source States of the second Source S	<ul> <li><sup>15</sup> <sup>16</sup> (A <sup>15, 16</sup> <sup>16</sup> (age) <sup>16</sup> (alge)</li> <li><sup>17</sup> (A <sup>15, 16</sup> <sup>16</sup> (alge)</li> <li><sup>17</sup> (A <sup>15</sup>)</li> <li><sup>16</sup> (A <sup>16</sup>)</li> <li><sup>17</sup> (A <sup>16</sup>)</li> <li><sup>17</sup> (A <sup>16</sup>)</li> <li><sup>17</sup> (A <sup>16</sup>)</li> <li><sup>17</sup> (A <sup>16</sup>)</li> <li><sup>18</sup> (A <sup>16</sup>)</li> <li><sup>18</sup> (A <sup>16</sup>)</li> <li><sup>19</sup> (A <sup></sup></li></ul>	OA/RA1027=NEMA OA/RA1013=Photo OA/RA1013=Photo OA/RA1013=Photo OA/RA1014=120V J MA1036-XX=Single MA1037-XX=2@18 MA1197-XX=3@12 MA1189-XX=2@20 MA1190-XX=3@90 MA1190-XX=3@90 MA1192-XX=2@18 MA1039-XX=2@18 MA1039-XX=2@10 MA1192-XX=3@90 MA1192-XX=3@90 MA1192-XX=3@90 MA1192-XX=3@90 MA1192-XX=3@90 MA1192-XX=3@90 MA1192-XX=3@90 MA1192-XX=3@90 MA1192-XX=3@90 MA1192-XX=3@90 MA1192-XX=3@90 MA1192-XX=3@90 MA1192-XX=3@90 MA1192-XX=3@90 MA1192-XX=3@90 MA1192-XX=3@90 MA1192-XX=3@90 MA1192-XX=3@90 MA1192-XX=3@90 MA1192-XX=4 GLEON-MT1=Field GLEON-MT3=Field GLEON-MT4=Field GLEON-MT4=Field Inst	ge Module Replacement a Tenon Adapter for 2-3% 0° Tenon Adapter for 2-3 ° Tenon Adapter for 2-3 ° Tenon Adapter for 2-3% ° Tenon Adapter for 2-3% ° Tenon Adapter for 2-3% 0° Tenon Adapter for 3-1% 0° Tenon Adapter for 3-1 ° Tenon Adapter for 3-1% ° Tenon Adapter for 3-1% Installed Mesh Top for 1 Installed Mesh Top for 5 Installed Mesh Top for 9	8" O.D. Tenon /8" O.D. Tenon /8" O.D. Tenon 3" O.D. Tenon 3" O.D. Tenon 2" O.D. Tenon /8" O.D. Tenon /2" O.D. Tenon /2" O.D. Tenon /2" O.D. Tenon 2" O.D. Te		

NOTES

NOTES: 1 Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information. 2 DesignLights Consortium<sup>®</sup> Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details. 3 Standard 4000K CCT and minimum 70 CRI. 4 Not compatible with MS/4-LXX or MS/1-LXX sensors. 5 Not compatible with extended quick mount arm (QMEA). 6 Not compatible with standard quick mount arm (QMI) or extended quick mount arm (QMEA). 7 Requires the use of an internal step down transformer when combined with sensor options. Not available with sensor at 1200mA. Not available in combination with the HA high ambient and sensor options at 1A. 8 Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems). 9 May be required when two or more luminaires are oriented on a 90° or 120° drilling pattern. Refer to arm mounting requirement table. 10 Factory installed. 11 Maximum 8 light squares. 12 Maximum 6 light squares. 13 Extended lead times apply. Use dedicated IES files for 3000K, 5000K and 6000K when performing layouts. These files are published on the Galleon luminaire product page on the website. 15 I Amp standard. Use dedicated IES files for 600mA, 800mA and 1200mA when performing layouts. These files are published on the Galleon luminaire product page on the website. 18 Not available with MS, MS/X or MS/ 10 M at 347V or 480V. 21 n AF-20 transformation. 22 Not available with Maximum 8 light squares. 21 Not available if any "MS" sensor is selected. Motion sensor has an integral photocell. 22 Requires the use of P hotocontrol or the PER7 or R photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental 20' mounting height. 27 Approximately 60' detection diameter at 40'

#### LumenSafe Integrated Network Security Camera Technology Options (Add as Suffix)

Product Family	Camera Type	Data Backhaul	
L=LumenSafe Technology*	<b>D</b> =Dome Camera	C=Cellular, Customer Installed SIM Card A=Cellular, Factory Installed AT&T SIM Card V=Cellular, Factory Installed Verizon SIM Card S=Cellular, Factory Installed Sprint SIM Card	R=Cellular, Factory Installed Rogers SIM Card W=Wi-Fi Networking w/ Omni-Directional Antenna E=Ethernet Networking

\*Consult LumenSafe system pages for additional details and compatibility. Not available with 9-10 light square housing. Not available with 347V, 480V or high ambient options



#### Eaton 1121 Highway 74 South Peachtree City, GA 30269 P: 770-486-4800 www.eaton.com/lighting

Specifications and dimensions subject to change without notice.

#### DESCRIPTION

The Galleon<sup>™</sup> LED luminaire delivers exceptional performance in a highly scalable, low-profile design. Patented, high-efficiency AccuLED Optics<sup>™</sup> system provides uniform and energy conscious illumination to walkways, parking lots, roadways, building areas and security lighting applications. IP66 rated and UL/cUL Listed for wet locations.

# **McGraw-Edison**

Catalog #	GLEON-AF-01-LED-E1-SL4-HSS		Туре
Project		F1	
Comments			Date
Prepared by			

#### SPECIFICATION FEATURES

#### Construction

Extruded aluminum driver enclosure thermally isolated from Light Squares for optimal thermal performance. Heavy-wall, diecast aluminum end caps enclose housing and die-cast aluminum heat sinks. A unique, patent pending interlocking housing and heat sink provides scalability with superior structural rigidity. 3G vibration tested and rated. Optional tool-less hardware available for ease of entry into electrical chamber. Housing is IP66 rated.

#### Optics

Patented, high-efficiency injection-molded AccuLED Optics technology. Optics are precisely designed to shape the distribution maximizing efficiency and application spacing. AccuLED Optics create consistent distributions with the scalability to meet customized application requirements. Offered standard in 4000K (+/- 275K) CCT 70 CRI. Optional 3000K, 5000K and 6000K CCT.

#### Electrical

LED drivers are mounted to removable tray assembly for ease of maintenance. 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480V Wve systems only. Standard with 0-10V dimming. Shipped standard with Eaton proprietary circuit module designed to withstand 10kV of transient line surge. The Galleon LED luminaire is suitable for operation in -40°C to 40°C ambient environments. For applications with ambient temperatures exceeding 40°C, specify the HA (High Ambient) option. Light Squares are IP66 rated. Greater than 90% lumen maintenance expected at 60,000 hours. Available in standard 1A drive current and optional 600mA. 800mA and 1200mA drive currents (nominal).

#### Mounting

STANDARD ARM MOUNT: Extruded aluminum arm includes internal bolt guides allowing for easy positioning of fixture during mounting. When mounting two or more luminaires at 90° and 120° apart, the EA extended arm may be required. Refer to the arm mounting requirement table. Round pole adapter included. For wall mounting, specify wall mount bracket option. QUICK MOUNT ARM: Adapter is bolted directly to the pole. Quick mount arm slide into place on the adapter and is secured via two screws, facilitating quick and easy installation. The versatile, patent pending, quick mount arm accommodates multiple drill patterns ranging from 1-1/2" to 4-7/8". Removal of the door on the quick mount arm enables wiring of the fixture without having to access the driver compartment. A knock-out enables round pole mounting.

#### Finish

Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Heat sink is powder coated black. Standard housing colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available.

#### Warranty

Five-year warranty.

DRILLING PATTERN

2

[51mm]

1-3/4"

[44mm]

TYPE "N"



# GALLEON LED

1-10 Light Squares Solid State LED

#### **AREA/SITE LUMINAIRE**



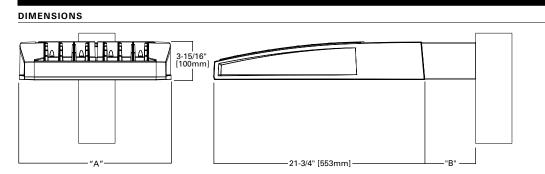
CERTIFICATION DATA UL/cUL Wet Location Listed ISO 9001 LM79 / LM80 Compliant 3G Vibration Rated IP66 Rated DesignLights Consortium® Qualified\*

ENERGY DATA

Electronic LED Driver >0.9 Power Factor <20% Total Harmonic Distortion 120V-277V 50/60Hz 347V & 480V 60Hz -40°C Min. Temperature 40°C Max. Temperature 50°C Max. Temperature (HA Option)



#### TD500020EN November 30, 2018 2:24 PM



#### DIMENSION DATA

Number of Light Squares	"A" Width	"B″ Standard Arm Length	"B" Optional Arm Length <sup>1</sup>	Weight with Arm (Ibs.)	EPA with Arm ²(Sq. Ft.)
1-4	15-1/2" (394mm)	7" (178mm)	10" (254mm)	33 (15.0 kgs.)	0.96
5-6	21-5/8" (549mm)	7" (178mm)	10" (254mm)	44 (20.0 kgs.)	1.00
7-8	27-5/8" (702mm)	7" (178mm)	13" (330mm)	54 (24.5 kgs.)	1.07
9-10	33-3/4" (857mm)	7" (178mm)	16" (406mm)	63 (28.6 kgs.)	1.12

NOTES: 1. Optional arm length to be used when mounting two fixtures at 90° on a single pole. 2. EPA calculated with optional arm length.



(2) 9/16" [14mm]

Diameter Holes

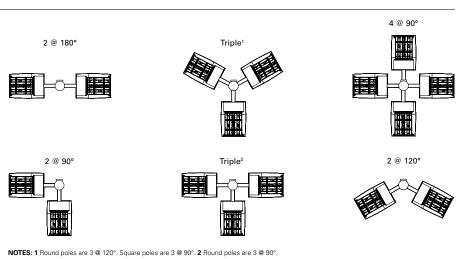
3/4" [19mm]

Diameter Hole

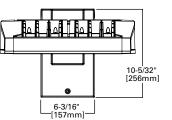
7/8" [22mm]

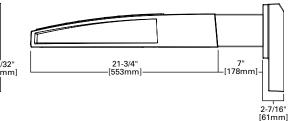
#### ARM MOUNTING REQUIREMENTS

Configuration	90° Apart	120° Apart
GLEON-AF-01	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-02	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-03	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-04	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-05	10" Extended Arm (Required)	7" Arm (Standard)
GLEON-AF-06	10" Extended Arm (Required)	7" Arm (Standard)
GLEON-AF-07	13" Extended Arm (Required)	13" Extended Arm (Required)
GLEON-AF-08	13" Extended Arm (Required)	13" Extended Arm (Required)
GLEON-AF-09	16" Extended Arm (Required)	16" Extended Arm (Required)
GLEON-AF-10	16" Extended Arm (Required)	16" Extended Arm (Required)

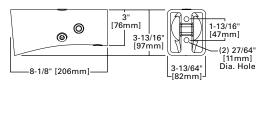


STANDARD WALL MOUNT

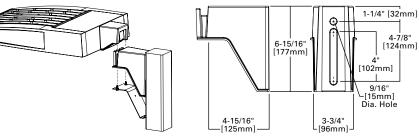




MAST ARM MOUNT



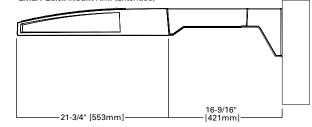
#### QUICK MOUNT ARM (INCLUDES FIXTURE ADAPTER)



QM Quick Mount Arm (Standard) 3-15/16" [100mm] "A" - 21-3/4" [553mm]–

QMEA Quick Mount Arm (Extended)

4-7/8" [124mm]



#### QUICK MOUNT ARM DATA

Number of Light Squares <sup>1, 2</sup>	"A" Width	Weight with QM Arm (lbs.)	Weight with QMEA Arm (lbs.)	EPA (Sq. Ft.)
1-4	15-1/2" (394mm)	35 (15.91 kgs.)	38 (17.27 kgs.)	
5-6 <sup>3</sup>	21-5/8" (549mm)	46 (20.91 kgs.)	49 (22.27 kgs.)	1.11
7-8	27-5/8" (702mm)	56 (25.45 kgs.)	59 (26.82 kgs.)	

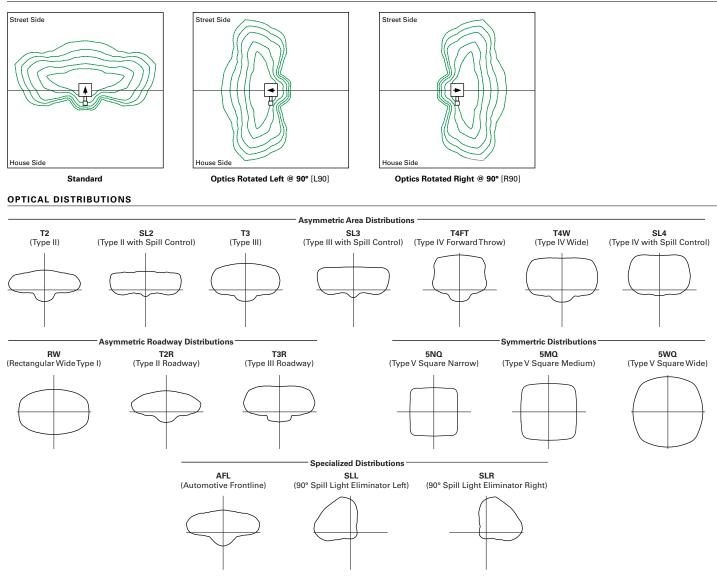
10-5/8" -[269mm]-

NOTES: 1 QM option available with 1-8 light square configurations. 2 QMEA option available with 1-6 light square configurations. 3 QMEA arm to be used when mounting two fixtures at 90° on a single pole.



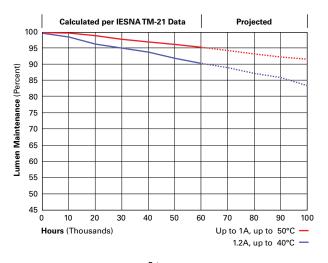
Specifications and dimensions subject to change without notice.

#### OPTIC ORIENTATION



#### LUMEN MAINTENANCE

Drive Current	Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Projected L70 (Hours)
Up to 1A	Up to 50°C	> 95%	416,000
1.2A	Up to 40°C	> 90%	205,000



#### LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97



Eaton 1121 Highway 74 South Peachtree City, GA 30269 P: 770-486-4800 www.eaton.com/lighting

Specifications and dimensions subject to change without notice.

TD500020EN November 30, 2018 2:24 PM

#### NOMINAL POWER LUMENS (1.2A)

Number o	of Light Squares	1	2	3	4	5	6	7	8	9	10
Nominal F	Power (Watts)	67	129	191	258	320	382	448	511	575	640
Input Curi	rent @ 120V (A)	0.58	1.16	1.78	2.31	2.94	3.56	4.09	4.71	5.34	5.87
Input Curi	rent @ 208V (A)	0.33	0.63	0.93	1.27	1.57	1.87	2.22	2.52	2.8	3.14
Input Curi	rent @ 240V (A)	0.29	0.55	0.80	1.10	1.35	1.61	1.93	2.18	2.41	2.71
Input Curi	rent @ 277V (A)	0.25	0.48	0.70	0.96	1.18	1.39	1.69	1.90	2.09	2.36
Input Curi	rent @ 347V (A)	0.20	0.39	0.57	0.78	0.96	1.15	1.36	1.54	1.72	1.92
Input Curi	rent @ 480V (A)	0.15	0.30	0.43	0.60	0.73	0.85	1.03	1.16	1.28	1.45
Optics		l	l	I	I	l					
	4000K/5000K Lumens	6,709	13,111	19,562	25,848	32,026	38,325	45,324	51,355	57,286	63,424
T2	3000K Lumens	5,939	11,606	17,316	22,881	28,349	33,925	40,121	45,459	50,710	56,143
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	7,122	13,919	20,769	27,442	34,000	40,687	48,117	54,519	60,816	67,333
T2R	3000K Lumens	5,939	11,606	17,316	22,881	28,349	33,925	40,121	45,459	50,710	56,143
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,838	13,363	19,939	26,346	32,642	39,062	46,196	52,343	58,388	64,646
тз	3000K Lumens	6,053	11,829	17,650	23,321	28,895	34,578	40,893	46,334	51,685	57,225
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,990	13,660	20,382	26,931	33,368	39,930	47,223	53,506	59,686	66,081
T3R	3000K Lumens	6,188	12,092	18,042	23,839	29,537	35,346	41,802	47,364	52,834	58,495
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,878	13,440	20,055	26,499	32,832	39,289	46,464	52,646	58,726	65,020
T4FT	3000K Lumens	6,088	11,897	17,753	23,457	29,063	34,779	41,130	46,602	51,984	57,556
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,789	13,267	19,795	26,156	32,408	38,781	45,864	51,967	57,968	64,180
TAW	3000K Lumens	6,010	11,744	17,523	23,153	28,688	34,329	40,599	46,001	51,313	56,812
T4W	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,697	13,088	19,529	25,804	31,970	38,259	45,245	51,267	57,186	63,315
SL2	3000K Lumens	5,928	11,585	17,287	22,842	28,300	33,867	40,051	45,382	50,621	56,046
312	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	40,051 B4-U0-G5	43,382 B4-U0-G5	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,837	13,361		26,342	32,639	39,057	46,189	52,336	58,380	64,636
SL3		6,052	11,827	19,936 17,647	23,318	28,892	39,057	40,189	46,328		57,216
313	3000K Lumens	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	40,887 B3-U0-G5	40,328 B4-U0-G5	51,678 B4-U0-G5	B4-U0-G5
	BUG Rating										
CI 4	4000K/5000K Lumens	6,496	12,695	18,943	25,029	31,011	37,110	43,886	49,727	55,470	61,414
SL4	3000K Lumens	5,750	11,238	16,768	22,156	27,451	32,850	38,848	44,018	49,102	54,364
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	4000K/5000K Lumens	7,052	13,781	20,564	27,171	33,664	40,285	47,641	53,981	60,215	66,669
5NQ	3000K Lumens	6,242	12,199	18,203	24,052	29,799	35,660	42,172	47,784	53,302	59,015
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	4000K/5000K Lumens	7,182	14,034	20,942	27,671	34,284	41,027	48,518	54,975	61,323	67,896
5MQ	3000K Lumens	6,358	12,423	18,538	24,494	30,348	36,317	42,948	48,664	54,283	60,102
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
	4000K/5000K Lumens	7,201	14,073	20,998	27,744	34,375	41,136	48,648	55,121	61,487	68,077
5WQ	3000K Lumens	6,374	12,457	18,587	24,559	30,429	36,414	43,063	48,793	54,428	60,262
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	4000K/5000K Lumens	6,009	11,741	17,519	23,148	28,681	34,321	40,589	45,990	51,301	56,798
SLL/SLR	3000K Lumens	5,319	10,393	15,508	20,491	25,388	30,381	35,929	40,710	45,412	50,278
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,989	13,657	20,378	26,925	33,360	39,921	47,211	53,494	59,672	66,066
RW	3000K Lumens	6,187	12,089	18,039	23,834	29,530	35,338	41,791	47,353	52,822	58,482
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
	4000K/5000K Lumens	7,014	13,706	20,452	27,023	33,481	40,066	47,383	53,688	59,888	66,306
AFL	3000K Lumens	6,209	12,133	18,104	23,921	29,637	35,466	41,943	47,525	53,013	58,694
		B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G4



#### NOMINAL POWER LUMENS (1A)

Number o	f Light Squares	1	2	3	4	5	6	7	8	9	10
	Power (Watts)	59	113	166	225	279	333	391	445	501	558
	Input Current @ 120V (A)		1.02	1.53	2.03	2.55	3.06	3.56	4.08	4.6	5.07
Input Current @ 208V (A)		0.51	0.56	0.82	1.11	1.37	1.64	1.93	2.19	2.46	2.75
-	rent @ 240V (A)	0.26	0.48	0.71	0.96	1.19	1.41	1.67	1.89	2.12	2.39
-	rent @ 277V (A)	0.23	0.40	0.61	0.83	1.03	1.23	1.45	1.65	1.84	2.09
-	rent @ 347V (A)	0.17	0.32	0.50	0.64	0.82	1.00	1.14	1.32	1.50	1.68
-	rent @ 480V (A)	0.14	0.24	0.37	0.48	0.61	0.75	0.91	0.99	1.12	1.28
Optics		0.14	0.24	0.07	0.40	0.01	0.70	0.01	0.00	1.12	1.20
0000	4000K/5000K Lumens	6,116	11,951	17,833	23,563	29,195	34,937	41,317	46,814	52,221	57,817
T2	3000K Lumens	5,414	10,579	15,786	20,858	25,843	30,926	36,574	41,440	46,226	51,180
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,493	12,688	18,932	25,015	30,994	37,090	43,863	49,699	55,439	61,380
T2R	3000K Lumens	5,748	11,231	16,759	22,143	27,436	32,832	38,828	43,994	49,075	54,334
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,234	12,181	18,176	24,017	29,756	35,609	42,111	47,715	53,225	58,930
ТЗ	3000K Lumens	5,518	10,783	16,089	21,260	26,340	31,521	37,277	42,237	47,115	52,165
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	42,237 B4-U0-G5	47,115 B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,372	12,453	18,580	24,550	30,418	36,400	43,048	48,776	54,409	60,239
T3R	3000K Lumens	5,640	12,453	16,447	24,550	26,926	32,221	38,106	43,177	48,163	53,324
1311	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,270	12,252	18,282	24,156	29,929	35,815	42,356	47,992	53,534	59,271
T4FT	3000K Lumens	5,550	10,845	16,183	24,150	26,493	31,703	37,494	42,483	47,388	52,467
1461	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	42,483 B3-U0-G5	47,388 B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,189	12,094	18,045	23,844	29,543	35,352	41,809	47,372	52,843	58,506
T4W	3000K Lumens	5,479	12,094	15,973	23,844	29,543	31,294	37,009	41,934	46,777	51,790
1400	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,105	11,931	17,803	23,522	29,144	34,877	41,245	46,734	52,130	57,717
SL2	3000K Lumens	5,404	10,561	15,759	20,822	25,798	30,873	36,510	40,734	46,145	51,091
312		5,404 B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	84-U0-G5	B4-U0-G5
	BUG Rating 4000K/5000K Lumens	6,233		18,174		29,753	35,604	42,106	47,708		
SL3	3000K Lumens		12,180 10,782	16,088	24,013	29,755	31,517	37,272	47,708	53,218	58,921
313		5,517 B1-U0-G2	B2-U0-G3	B2-U0-G3	21,256 B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	42,231 B3-U0-G5	47,109 B4-U0-G5	52,157 B4-U0-G5
	BUG Rating 4000K/5000K Lumens	5,922	11,572	17,268	22,816	28,269	33,829	40,006	45,330	50,566	55,984
SL4	3000K Lumens	5,922	10,244	15,286	22,818	25,024	29,945	35,413	40,126	44,761	49,557
314			B1-U0-G3							B3-U0-G5	
	BUG Rating	B1-U0-G2		B2-U0-G3	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5		B3-U0-G5
5NQ	4000K/5000K Lumens 3000K Lumens	6,429 5,691	12,563 11,121	18,746 16,594	24,768 21,925	30,688 27,165	36,723 32,507	43,429 38,443	49,208 43,559	54,891 48,590	60,775 53,798
5110	BUG Rating	B2-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
	4000K/5000K Lumens	6,547	12,794	19,090	25,224	31,253	37,400	44,228	50,114	55,902	61,893
5MQ	3000K Lumens	5,795	11,325	16,898	22,328	27,665	33,106	39,151	44,361	49,484	54,788
51112	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
	4000K/5000K Lumens	6,564	12,828	19,141	25,291	31,336	37,499	44,347	50,248	56,051	62,058
5WQ	3000K Lumens	5,810	12,828	16,944	23,291	27,739	37,499	39,256	44,480	49,616	54,934
5112	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	4000K/5000K Lumens	5,478	10,703	15,970	21,102	26,145	31,286	37,001	41,924	46,765	51,777
SLL/SLR	3000K Lumens	4,849	9,474	14,137	18,679	23,145	27,694	32,753	37,111	40,705	45,833
JLL/JLN	BUG Rating	4,849 B1-U0-G2	9,474 B1-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	45,833 B3-U0-G5
	4000K/5000K Lumens	6,371	12,449	18,576	24,544	30,411	36,392	43,037	48,764	54,396	60,225
RW	3000K Lumens	5,640	12,449	16,443	24,544	26,920	32,214	38,096	43,166	48,151	53,311
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	4000K/5000K Lumens	6,394	12,494	18,644	24,634	30,521	36,524	43,194	48,942	54,593	60,444
AFL	3000K Lumens	5,660	12,494	16,504	24,634	27,017	30,524	38,235	48,942	48,326	53,505
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	38,235 B3-U0-G3	43,323 B3-U0-G3	48,326 B4-U0-G4	B4-U0-G4
	Bod nating	B1-00-G1	B2-00-G2	B2-00-G2	B3-00-G2	53-00-63	03-00-03	60-00-63	53-00-63	54-00-64	D4-00-G4



#### NOMINAL POWER LUMENS (800MA)

4000K/5000K Lumens         5,246         10,251         15,290         20,211         25,041         29,066         35,439         40,184         44,711         49,592           3000K Lumens         4,644         3,074         13,400         12,819         22,166         25,526         33,71         35,544         39,049         43,889           3000K Lumens         4,649         8,10-62         82-0-63         83-0-63         83-0-63         83-0-63         83-0-63         83-0-63         83-0-63         83-0-63         83-0-64							_					
Importance + 2207 (A)         0.33         0.77         1.13         1.54         1.53         2.20         2.47         3.23         3.39         3.39           Importane-ret # 2007 (A)         0.37         0.44         0.87         0.88         1.56         1.16         1.57         1.61         1.27         2.77           Importane-ret # 207 (A)         0.77         0.38         0.38         0.48         0.40         0.40         0.50         1.10         1.30         1.42         1.17           Importane-ret # 207 (A)         0.57         0.44         0.80         0.40         0.80         0.59         0.31         1.12         1.12           Importane-ret # 207 (A)         0.57         0.44         0.80         0.408         0.808         2.208         2.22.27         2.3.28         2.7.22         4.2.31         4.2.17           2000 Lumma         4.544         0.571         1.534         1.581         1.581         1.581         1.581         3.541         3.541         3.541         3.541         3.541         3.541         3.541         3.541         3.541         3.541         3.541         3.541         3.541         3.541         3.541         3.541         3.541         3.541 <th></th> <th></th> <th></th> <th></th> <th> </th> <th></th> <th></th> <th>-</th> <th></th> <th>-</th> <th></th> <th></th>								-		-		
peq Let with a set of the set												
Ipper Current # 247V (A)         0.19         0.39         0.36         0.37         0.32         0.34         0.37         0.39         0.36         1.19         1.31         1.42         1.37           Input Current # 049V (A)         0.10         0.20         0.32         0.37         0.48         0.68         0.77         0.68         0.77         0.68         0.87           Statistic Murrent # 049V (A)         0.10         0.85         0.44         0.68         0.68         0.77         0.68         0.88           Statistic Murrent # 049V (A)         0.10         0.856         14.40         10.08         2.5588         2.627         3.532         3.743         4.747         4.757           Mode School Lumons         4.44         0.757         17.78         2.568         3.810-63         8.340-64         8.737         4.737         4.739         4.807           Mode School Lumons         5.444         10.71         15.546         12.71         2.564         3.717         5.546         3.713         5.554         3.737         3.454         4.809         4.206           Mode School Lumons         4.444         5.77         1.683         8.50-64         8.50-64         8.50-64         8.50-64	-											
Instr         TYY (A)         0.57         0.58         0.47         0.87         0.88         0.97         0.58         1.19         1.13         1.42         1.57           Instr Currer # 07V (A)         0.51         0.18         0.23         0.40         0.58         0.57         0.58         0.57         0.58         0.57         0.58         0.57         0.58         0.59         0	-											
Impact Server 4 897 (A)         0.15         0.24         0.33         0.48         0.53         0.77         0.87         1.07         0.87         0.80           Imate Server         4.0005 (Scook Lumes)         4.44         9.680         1.72         0.88         0.77         0.88         0.80           Stop Server         5.000 Server         5	-											
hptpt Current # 489V [A]0.110.880.290.370.480.590.660.770.880.56OpticT23000K lumont4.9419.06614.40919.0387.3.6897.3.6897.3.6877.3.8377.7.824.7.1114.0.7133000K lumont4.9410.06610.0268.1.00 C48.1.00 C4 <td>-</td> <td></td>	-											
Option         Addit Model Lummen         4.91         9.666         14.408         19.898         23.688         23.688         23.382         23.888         23.382         23.888         23.382         23.888         23.382         23.888         23.382         23.888         23.382         23.888         23.382         23.888         23.382         23.888         23.382         23.888         23.382         23.888         23.382         23.888         23.382         23.888         23.332         43.184         44.14         44.731         44.589           3000K Lummer         4.644         8.071         13.540         17.261         22.166         28.3926         31.371         35.544         39.046         43.048         43.048         43.048         43.048         43.048         43.048         43.048         43.048         43.048 <t< td=""><td>-</td><td></td><td></td><td></td><td></td><td></td><td>0.63</td><td></td><td></td><td></td><td></td><td></td></t<>	-						0.63					
4000K 5000K Lumenie         4,641         9,858         14,469         19,039         23,588         28,227         33,382         27,823         42,191         46,713           3000K Lumenie         4,374         6,874         12,764         16,852         20,858         28,497         23,582         23,481         37,347         41,350           4000K M000K Lumma         5,464         19,274         15,598         72,011         25,041         29,366         39,349         40,114         44,471         43,599           3000K Lumma         5,464         19,224         15,490         72,821         22,166         29,126         83,10-64         83,10-65         83,10-64         83,10-64         83,10-64         83,10-65         83,10-65         83,10-65         83,10-65         83,10-65         83,10-65         83,10-65         83,10-65         83,10-65         83,10-65	Input Curr	ent @ 480V (A)	0.11	0.18	0.29	0.37	0.48	0.59	0.66	0.77	0.88	0.96
1         1	Optics	1		1	1		1	1		r	1	
bitB		4000K/5000K Lumens	4,941	9,656	14,408	19,038	23,588	28,227	33,382	37,823	42,191	46,713
4000K5000K Lumens         6.240         10.251         15.296         20.211         26.041         29.860         8.4,89         40.64         44.791         46.852           3000K Lumens         4.644         0,704         15.340         77.80         22.666         26.523         15.71         35.644         38.940         48.950           13         4000K5000K Lumens         5.07         8.842         14.685         16.404         29.1071         25.043         35.0404         38.910-6         38.910-6         38.910-6         38.910-6         38.910-6         38.910-6         38.910-6         8.910-6	T2	3000K Lumens	4,374	8,547	12,754	16,852	20,880	24,987	29,550	33,481	37,347	41,350
bit         bit<         bit<         bit<         bit<		BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5
Buß Ann,         Bul-ue         Bul-u		4000K/5000K Lumens	5,246	10,251	15,296	20,211	25,041	29,966	35,439	40,154	44,791	49,592
4000K/5000K Lumens         5,037         8,842         14,685         19,404         24,041         28,770         34,024         38,551         43,003         47,612           3000K Lumens         4,489         8,772         12,989         17,176         21,281         25,467         30,106         38,10-05         82,10-05 <td< td=""><td>T2R</td><td>3000K Lumens</td><td>4,644</td><td>9,074</td><td>13,540</td><td>17,891</td><td>22,166</td><td>26,526</td><td>31,371</td><td>35,544</td><td>39,649</td><td>43,899</td></td<>	T2R	3000K Lumens	4,644	9,074	13,540	17,891	22,166	26,526	31,371	35,544	39,649	43,899
101000 Lunem4.4.594.7.1012.9.9917.109.7.1		BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
Image         Image <th< td=""><td></td><td>4000K/5000K Lumens</td><td>5,037</td><td>9,842</td><td>14,685</td><td>19,404</td><td>24,041</td><td>28,770</td><td>34,024</td><td>38,551</td><td>43,003</td><td>47,612</td></th<>		4000K/5000K Lumens	5,037	9,842	14,685	19,404	24,041	28,770	34,024	38,551	43,003	47,612
400K/500KLumen         5.148         10.061         15.011         19.835         24,576         29,049         34,780         39,478         49,781         49,781         49,781         49,781         49,781         49,781         49,781         49,781         49,781         49,781         49,781         49,781         49,781         49,781         49,781         49,781         49,781         49,781         49,781         49,771         15,781         20,701         45,714         49,703         49,781	Т3	3000K Lumens	4,459	8,712	12,999	17,176	21,281	25,467	30,118	34,125	38,066	42,146
B00K Lumen         4,557         8,969         13,280         17,580         21,755         26,033         30,797         48,484         38,391         43,302           B00K Lumen         61,050         18-10-02		BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
BUG RatingB1-Uo-GB1-Uo-GB2-Uo-GB2-Uo-GB3-Uo-GB3-Uo-GB3-Uo-GB3-Uo-GB3-Uo-GB3-Uo-GA000K 5000 K LumensJ.4.84B.7.00B.7.0011,77011,570Z.1.00Z.5.0130.2.031,27032,37332,37332,37332,37332,37332,37332,37332,37332,37332,37332,37342,89442,393A000K 5000 K LumensG.1000B1-Uo-GB1-Uo-GB1-Uo-GB1-Uo-GB1-Uo-GB1-Uo-GB1-Uo-GB1-Uo-GB1-Uo-GB1-Uo-GB1-Uo-GB1-UO-G<		4000K/5000K Lumens	5,148	10,061	15,011	19,835	24,576	29,409	34,780	39,408	43,959	48,669
4000K/500K Lumens         5.060         9.899         14.707         19.516         24.111         28.305         34.221         38.774         43.282         47.888           74FT         3000K Lumens         4.444         8.783         13.074         17.276         21.405         25.614         30.292         34.333         38.287         42.389           8UG Rating         B1-U0-C2         B1-U0-C2         B1-U0-C2         B2-U0-C3         B2-U0-C4         B3-U0-C4	T3R	3000K Lumens	4,557	8,906	13,288	17,558	21,755	26,033	30,787	34,884	38,913	43,082
T4F3000Lumen4.4.406.4.6013.0.4013.0.4017.0.7021.0.4083		BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
BUG RatingB1:Uo:QB1:Uo:QB2:Uo:QB2:Uo:QB2:Uo:QB3:UO:QB3:UO:QB3:UO:QB3:UO:QB3:UO:QB3:UO:QB3:UO:QB3:UO:QB3:UO:QB3:UO:QB3:UO <q< th="">B3:UO:QB3:UO<q< th="">B3:UO:QB3:UO:QB3:UO:QB3:UO:QB3:UO:QB3:UO:QB3:UO:QB3:UO:QB3:UO<q< th="">B3:UO:QB3:UO<q< th="">B3:UO<q< td="" th<=""><td></td><td>4000K/5000K Lumens</td><td>5,066</td><td>9,899</td><td>14,770</td><td>19,516</td><td>24,181</td><td>28,936</td><td>34,221</td><td>38,774</td><td>43,252</td><td>47,888</td></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<>		4000K/5000K Lumens	5,066	9,899	14,770	19,516	24,181	28,936	34,221	38,774	43,252	47,888
4000K/5000Klumens5.0009.77114.57919.24423.86928.56233.77938.27442.89447.289TMW3000Klumens4.4268.64912.90517.05221.12925.28329.90133.80037.79341.843BUG RatingB1-U-G2B2-U-G2B2-U-G2B2-U-G3B3-U-G4B3-U-G4B3-U-G4B3-U-G5B3-U-G5B4-U-G5B4-U-G5S124000K/5000Klumens4.3339.63914.38319.00523.54728.17833.32437.78342.18446.83BUG RatingB1-U-G2B2-U-G2B2-U-G3B3-U-G3B3-U-G3B3-U-G4B3-U-G4B3-U-G5B4-U-G5B4-U-G5BUG RatingB1-U-G2B2-U-G2B2-U-G3B3-U-G3B3-U-G3B3-U-G4B3-U-G4B3-U-G4B3-U-G5B4-U-G5B4-U-G5MOK/5000Klumens5.0369.84114.68319.40124.03928.7643.01138.64442.99747.605S13B00K S000Klumens4.789B1-U-G2B1-U-G3B2-U-G4B3-U-G4B3-U-G4B3-U-G5<	T4FT	3000K Lumens	4,484	8,763	13,074	17,276	21,405	25,614	30,292	34,323	38,287	42,390
TAWe300K Lumens4.42e8.48e12.90c12.90c21.12921.20229.20c.381.00-6483.00-6483.00-6483.00-6683.00-6583.00		BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
HereBud RatingBud WeigBud Weig<		4000K/5000K Lumens	5,000	9,771	14,579	19,264	23,869	28,562	33,779	38,274	42,694	47,269
4000K/5000K Lumens4.9339.63914.38319.00523.54728.17833.24337.75842.11846.632SL23000K Lumens4.3678.53212.7216.82320.84424.94329.49833.42337.28341.719BLG Rating81-Uo-C2B2-Uo-C2B2-Uo-C3B2-Uo-C3B3-Uo-C3B3-Uo-C4B3-Uo-C4B3-Uo-C4B3-Uo-C5B4-Uo-C5B4-Uo-C5A000K/5000K Lumens4.4588.71112.97727.73427.87633.62438.54642.71738.64642.99747.876BUG RatingB1-Uo-C2B1-U0-C2B2-U0-C3B2-U0-C3B2-U0-C3B2-U0-C3B3-U0-C4B3-U0-C4B3-U0-C5	T4W	3000K Lumens	4,426	8,649	12,905	17,052	21,129	25,283	29,901	33,880	37,793	41,843
SL2300K Lumens4,3678,56217,73216,82320,84424,94329,94833,42537,28341,737BUG Rating81-U0-C282-U0-C382-U0-C383-U0-C383-U0-C383-U0-C483-U0-C483-U0-C483-U0-C584-		BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
HereBer ConstraintBer Constraint </td <td></td> <td>4000K/5000K Lumens</td> <td>4,933</td> <td>9,639</td> <td>14,383</td> <td>19,005</td> <td>23,547</td> <td>28,178</td> <td>33,324</td> <td>37,758</td> <td>42,118</td> <td>46,632</td>		4000K/5000K Lumens	4,933	9,639	14,383	19,005	23,547	28,178	33,324	37,758	42,118	46,632
A000K/500K Lumens5,0369,84114,68319,40124,03928,76634,01938,54642,99747,665SL3300K Lumens4,4588,71112,97717,17421,27925,46430,11434,12138,06142,140BUG RatingB1-U-G2B1-U-G2B2-U-G3B2-U-G3B3-U-G4B3-U-G4B3-U-G4B3-U-G5B3-U-G5B3-U-G5B3-U-G447,297SL43000K Lumens4,7849,35013,95118,43422,84027,32332,22336,62440,85440,054BUG RatingB1-U-G2B1-U-G3B1-U-G312,34916,31822,04022,37232,22336,62440,85440,054M00K/5000K Lumens51,14015,15420,01422,16422,16682,U-G583,U-G583,U-G583,U-G583,U-G583,U-G584,34949,102M00K/5000K Lumens51,90411,05015,15420,01421,94429,67035,08839,75744,34949,102M00K/5000K Lumens51,90413,05013,05017,71421,94826,26431,06035,19339,25843,455M00K S5000K Lumens5,29010,33715,42420,38025,25030,21735,73440,48945,16550,006M00K S5000K Lumens5,30413,05013,65014,04025,25630,21735,73440,58744,26550,198M00K S5000K Lumens5,30413,05014,65624,44<	SL2	3000K Lumens	4,367	8,532	12,732	16,823	20,844	24,943	29,498	33,423	37,283	41,279
SLA300K Lumens4.4588,71112.99717.17421.27925.46430.11434.12138.06142.10BG RatingB1-0-G2B1-0-G2B2-0-G3B2-0-G3B3-0-GB3-0-		BUG Rating		B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
SLA300K Lumens4.4588,71112.99717.17421.27925.46430.11434.12138.06142.10BG RatingB1-0-G2B1-0-G2B2-0-G3B2-0-G3B3-0-GB3-0-		4000K/5000K Lumens	5,036	9,841	14,683	19,401	24,039	28,766	34,019	38,546	42,997	47,605
BUG RatingB1-U0-C2B1-U0-C2B2-U0-C3B2-U0-C3B3-U0-C4B3-U0-C4B3-U0-C5B3-U0	SL3	3000K Lumens					21,279					
A000K/500K Lumens4.7849.35013.95118.43422.84027.32232.32336.62440.85445.232SLA3000K Lumens4.2358.27712.34916.31820.21824.19428.61232.42036.64440.039BUG RatingB1-U0-G2B1-U0-G3B1-U0-G3B1-U0-G3B2-U0-G4B2-U0-G4B2-U0-G5B2-U0-G5B3-U0-		BUG Rating										B3-U0-G5
SL43000K Lumens4,2558,27712,34916,31820,21824,19426,61232,42036,16440,039BUG RatingB1-UG-G2B1-UG-G2B1-UG-G3B1-UG-G3B2-UG-G4B2-UG-G4B2-UG-G5B3		-				18,434						
BUG RatingB1-U0-G2B1-U0-G3B1-U0-G3B2-U0-G4B2-U0-G4B2-U0-G5B2-U0-G5B3-U0	SL4											
4000K/5000K Lumens5,19410,15015,14520,01124,79429,67035,08839,75744,3949,1025NQ3000K Lumens4,5988,98513,40617,71421,94826,26431,00035,19339,25843,465BUG RatingB2-U0-C1B3-U0-C1B3-U0-C2B4-U0-C2B4-U0-C2B5-U0-C2B5-U0-C3B5-U0												
SNQ300K Lumens4,5986,98513,40617,71421,94826,26431,06035,19339,25843,465BG Rating82-U0-GI83-U0-GI83-U0-GI84-U0-CI84-U0-CI85-U0-GI85-U												
BUG RatingB2-U0-citB3-U0-citB3-U0-citB4-U0-citB4-U0-citB5-U0-cit <td>5NO</td> <td></td>	5NO											
4000K/5000K Lumens         5,290         10,337         15,424         20,380         25,250         30,217         35,734         40,489         45,165         50,006           5M0         3000K Lumens         4,683         9,150         13,653         18,040         22,351         26,748         31,632         35,841         39,980         44,265           BUG Rating         B3-U0-G1         B3-U0-G2         B4-U0-G2         B4-U0-G2         B5-U0-G3         B5-U0-G3         B5-U0-G3         B5-U0-G4	51442											
SMQ300K Lumens4,6839,15013,65318,04022,35126,74831,62035,84139,80044,265BUG RatingB3-UGB3-UGB4-UGB4-UGB5		-										
BUG Rating         B3-U0-GI         B3-U0-GI         B4-U0-GI         B4-U0-GI         B5-U0-GI	EMO											
4000K/5000K Lumens         5,304         10,365         15,465         20,434         25,318         30,297         35,830         40,597         45,286         50,139           5WQ         3000K Lumens         4,695         9,175         13,690         18,088         22,411         26,819         31,717         35,936         40,087         44,383           BUG Rating         B3-U0-G1         B4-U0-G2         B4-U0-G2         B5-U0-G3         B5-U0-G3         B5-U0-G4         B3-U0-G4	510102											
SWQ $300K Lumens$ $4,695$ $9,175$ $13,690$ $18,088$ $22,411$ $26,819$ $31,717$ $35,936$ $40,087$ $44,383$ BUG Rating $B3-U0-G1$ $B4-U0-G2$ $B4-U0-G2$ $B5-U0-G3$ $B5-U0-G3$ $B5-U0-G4$ <td></td> <td>-</td> <td></td>		-										
BUG Rating         B3-U0-G1         B4-U0-G2         B4-U0-G2         B5-U0-G3         B5-U0-G3         B5-U0-G4	514/0											
4000K/5000K Lumens         4,426         8,648         12,903         17,049         21,124         25,278         29,894         33,872         37,784         41,832           SLL/SLR         3000K Lumens         3,918         7,655         11,422         15,092         18,699         22,376         26,462         29,983         33,466         37,030           BUG Rating         B1-U0-G2         B1-U0-G2         B2-U0-G3         B2-U0-G3         B2-U0-G4         B3-U0-G4         B3-U0-G5         B3-U0-G5 <td>5000</td> <td></td>	5000											
SLL/SLR         300K Lumens         3,918         7,655         11,422         15,092         18,699         22,376         26,462         29,983         33,446         37,000           BUG Rating         B1-U0-G2         B1-U0-G2         B2-U0-G3         B2-U0-G3         B2-U0-G4         B3-U0-G4         B3-U0-G5		-										
BUG Rating         B1-U0-G2         B1-U0-G2         B2-U0-G3         B2-U0-G3         B2-U0-G3         B3-U0-G3	011/01-											
4000K/5000K Lumens         5,147         10,058         15,009         19,830         24,570         29,402         34,771         39,399         43,949         48,658           RW         3000K Lumens         4,556         8,903         13,286         17,554         21,749         26,027         30,779         34,876         38,904         43,072           BUG Rating         B2-U0-G1         B3-U0-G1         B3-U0-G2         B4-U0-G2         B4-U0-G2         B5-U0-G3	SLL/SLR											
RW         3000K Lumens         4,556         8,903         13,286         17,554         21,749         26,027         30,779         34,876         38,904         43,072           BUG Rating         B2-U0-G1         B3-U0-G1         B3-U0-G2         B4-U0-G2         B4-U0-G2         B5-U0-G3         B5-U0-G3 <t< td=""><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>B3-U0-G5</td></t<>		-										B3-U0-G5
BUG Rating         B2-U0-G1         B3-U0-G1         B3-U0-G2         B4-U0-G2         B4-U0-G2         B5-U0-G3												48,658
4000K/5000K Lumens 5,166 10,095 15,063 19,903 24,659 29,509 34,898 39,542 44,108 48,835	RW											
												B5-U0-G4
AFL         3000K Lumens         4,573         8,936         13,334         17,618         21,828         26,121         30,892         35,003         39,044         43,229		4000K/5000K Lumens	5,166				24,659	29,509				
	AFL	3000K Lumens	4,573	8,936	13,334	17,618	21,828	26,121	30,892	35,003	39,044	43,229
BUG Rating B1-U0-G1 B1-U0-G1 B2-U0-G2 B2-U0-G2 B3-U0-G2 B3-U0-G3 B3-U0-G3-U0-G3 B3-U0-G3 B3-U		-	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3



#### NOMINAL POWER LUMENS (600MA)

	· · · · ·		· · · · · ·	· · · · · · · · · · · · · · · · · · ·						
f Light Squares	1	2	3	4	5	6	7	8	9	10
ower (Watts)	34	66	96	129	162	193	226	257	290	323
ent @ 120V (A)	0.30	0.58	0.86	1.16	1.44	1.73	2.03	2.33	2.59	2.89
ent @ 208V (A)	0.17	0.34	0.49	0.65	0.84	0.99	1.14	1.30	1.48	1.63
ent @ 240V (A)	0.15	0.30	0.43	0.56	0.74	0.87	1.00	1.13	1.30	1.43
ent @ 277V (A)	0.14	0.28	0.41	0.52	0.69	0.81	0.93	1.04	1.22	1.33
ent @ 347V (A)	0.11	0.19	0.30	0.39	0.49	0.60	0.69	0.77	0.90	0.99
ent @ 480V (A)	0.08	0.15	0.24	0.30	0.38	0.48	0.53	0.59	0.71	0.77
4000K/5000K Lumens	4,029	7,874	11,749	15,525	19,235	23,019	27,222	30,844	34,406	38,093
3000K Lumens	3,566	6,970	10,400	13,743	17,027	20,376	24,097	27,303	30,456	33,720
BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4
4000K/5000K Lumens	4,278	8,360	12,474	16,482	20,421	24,437	28,900	32,745	36,527	40,441
3000K Lumens	3,787	7,400	11,042	14,590	18,077	21,632	25,582	28,986	32,334	35,798
BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4
4000K/5000K Lumens	4,107	8,026	11,976	15,824	19,605	23,461	27,746	31,438	35,068	38,827
3000K Lumens	3,636	7,105	10,601	14,007	17,354	20,768	24,561	27,829	31,042	34,370
BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
4000K/5000K Lumens	4,198	8,205	12,242	16,175	20,041	23,982	28,363	32,137	35,848	39,689
										35,133
										B3-U0-G5
										39,052
										34,569
										B3-U0-G5
-										
										38,547
										34,122
-										B3-U0-G5
										38,028
										33,662
-										B3-U0-G5
										38,821
										34,364
-										B3-U0-G5
4000K/5000K Lumens	3,902	7,624	11,377		18,626	22,289	26,359		33,316	36,886
3000K Lumens	3,454	6,749	10,071		16,488	19,730	23,333		29,491	32,651
BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-110-G4	B2-110-G4	B2-110-G4	B2-U0-G5	B3-U0-G5	
4000K/5000K Lumens					D2 00 04	D2-00-04	D2 00 04	52 00 00	00 00 00	B3-U0-G5
	4,236	8,277	12,351	16,319	20,219	24,196	28,614	32,422	36,166	B3-U0-G5 40,042
3000K Lumens	4,236 3,750	8,277 7,327	12,351 10,933	16,319 14,446						
					20,219	24,196	28,614	32,422	36,166	40,042
3000K Lumens	3,750	7,327	10,933	14,446	20,219 17,898	24,196 21,418	28,614 25,329	32,422 28,700	36,166 32,014	40,042 35,445
3000K Lumens BUG Rating	3,750 B2-U0-G1	7,327 B3-U0-G1	10,933 B3-U0-G2	14,446 B3-U0-G2	20,219 17,898 B4-U0-G2	24,196 21,418 B4-U0-G2	28,614 25,329 B4-U0-G2	32,422 28,700 B5-U0-G2	36,166 32,014 B5-U0-G3	40,042 35,445 B5-U0-G3
3000K Lumens BUG Rating 4000K/5000K Lumens	3,750 B2-U0-G1 4,314	7,327 B3-U0-G1 8,429	10,933 B3-U0-G2 12,578	14,446 B3-U0-G2 16,619	20,219 17,898 B4-U0-G2 20,591	24,196 21,418 B4-U0-G2 24,641	28,614 25,329 B4-U0-G2 29,141	32,422 28,700 B5-U0-G2 33,019	36,166 32,014 B5-U0-G3 36,832	40,042 35,445 B5-U0-G3 40,779
3000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens	3,750 B2-U0-G1 4,314 3,819	7,327 B3-U0-G1 8,429 7,461	10,933 B3-U0-G2 12,578 11,134	14,446 B3-U0-G2 16,619 14,711	20,219 17,898 B4-U0-G2 20,591 18,227	24,196 21,418 B4-U0-G2 24,641 21,812	28,614 25,329 B4-U0-G2 29,141 25,796	32,422 28,700 B5-U0-G2 33,019 29,228	36,166 32,014 B5-U0-G3 36,832 32,604	40,042 35,445 B5-U0-G3 40,779 36,098
3000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens BUG Rating	3,750 B2-U0-G1 4,314 3,819 B3-U0-G1	7,327 B3-U0-G1 8,429 7,461 B3-U0-G2	10,933 B3-U0-G2 12,578 11,134 B4-U0-G2	14,446 B3-U0-G2 16,619 14,711 B4-U0-G2	20,219 17,898 B4-U0-G2 20,591 18,227 B4-U0-G2	24,196 21,418 B4-U0-G2 24,641 21,812 B5-U0-G3	28,614 25,329 B4-U0-G2 29,141 25,796 B5-U0-G3	32,422 28,700 B5-U0-G2 33,019 29,228 B5-U0-G4	36,166 32,014 B5-U0-G3 36,832 32,604 B5-U0-G4	40,042 35,445 B5-U0-G3 40,779 36,098 B5-U0-G4
3000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens BUG Rating 4000K/5000K Lumens	3,750 B2-U0-G1 4,314 3,819 B3-U0-G1 4,325	7,327 B3-U0-G1 8,429 7,461 B3-U0-G2 8,452	10,933 B3-U0-G2 12,578 11,134 B4-U0-G2 12,611	14,446 B3-U0-G2 16,619 14,711 B4-U0-G2 16,664	20,219 17,898 B4-U0-G2 20,591 18,227 B4-U0-G2 20,646	24,196 21,418 B4-U0-G2 24,641 21,812 B5-U0-G3 24,707	28,614 25,329 B4-U0-G2 29,141 25,796 B5-U0-G3 29,219	32,422 28,700 B5-U0-G2 33,019 29,228 B5-U0-G4 33,106	36,166 32,014 B5-U0-G3 36,832 32,604 B5-U0-G4 36,930	40,042 35,445 B5-U0-G3 40,779 36,098 B5-U0-G4 40,888
3000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens	3,750 B2-U0-G1 4,314 3,819 B3-U0-G1 4,325 3,828	7,327 B3-U0-G1 8,429 7,461 B3-U0-G2 8,452 7,482	10,933 B3-U0-G2 12,578 11,134 B4-U0-G2 12,611 11,163	14,446 B3-U0-G2 16,619 14,711 B4-U0-G2 16,664 14,751	20,219 17,898 B4-U0-G2 20,591 18,227 B4-U0-G2 20,646 18,276	24,196 21,418 B4-U0-G2 24,641 21,812 B5-U0-G3 24,707 21,871	28,614 25,329 B4-U0-G2 29,141 25,796 B5-U0-G3 29,219 25,865	32,422 28,700 B5-U0-G2 33,019 29,228 B5-U0-G4 33,106 29,305	36,166 32,014 B5-U0-G3 36,832 32,604 B5-U0-G4 36,930 32,690	40,042 35,445 B5-U0-G3 40,779 36,098 B5-U0-G4 40,888 36,194
3000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens BUG Rating 3000K Lumens BUG Rating	3,750 B2-U0-G1 4,314 3,819 B3-U0-G1 4,325 3,828 B3-U0-G1	7,327 B3-U0-G1 8,429 7,461 B3-U0-G2 8,452 7,482 B3-U0-G2	10,933 B3-U0-G2 12,578 11,134 B4-U0-G2 12,611 11,163 B4-U0-G2	14,446 B3-U0-G2 16,619 14,711 B4-U0-G2 16,664 14,751 B4-U0-G2	20,219 17,898 B4-U0-G2 20,591 18,227 B4-U0-G2 20,646 18,276 B5-U0-G3	24,196 21,418 B4-U0-G2 24,641 21,812 B5-U0-G3 24,707 21,871 B5-U0-G3	28,614 25,329 B4-U0-G2 29,141 25,796 B5-U0-G3 29,219 25,865 B5-U0-G4	32,422 28,700 B5-U0-G2 33,019 29,228 B5-U0-G4 33,106 29,305 B5-U0-G4	36,166 32,014 B5-U0-G3 36,832 32,604 B5-U0-G4 36,930 32,690 B5-U0-G4	40,042 35,445 B5-U0-G3 40,779 36,098 B5-U0-G4 40,888 36,194 B5-U0-G4
3000K Lumens BUG Rating 4000K/5000K Lumens BUG Rating 4000K/5000K Lumens BUG Rating BUG Rating 4000K/5000K Lumens	3,750 B2-U0-G1 4,314 3,819 B3-U0-G1 4,325 3,828 B3-U0-G1 3,609	7,327 B3-U0-G1 8,429 7,461 B3-U0-G2 8,452 7,482 B3-U0-G2 7,052	10,933 B3-U0-G2 12,578 11,134 B4-U0-G2 12,611 11,163 B4-U0-G2 10,522	14,446 B3-U0-G2 16,619 14,711 B4-U0-G2 16,664 14,751 B4-U0-G2 13,903	20,219 17,898 B4-U0-G2 20,591 18,227 B4-U0-G2 20,646 18,276 B5-U0-G3 17,226	24,196 21,418 B4-U0-G2 24,641 21,812 B5-U0-G3 24,707 21,871 B5-U0-G3 20,613	28,614 25,329 B4-U0-G2 29,141 25,796 B5-U0-G3 29,219 25,865 B5-U0-G4 24,378	32,422 28,700 B5-U0-G2 33,019 29,228 B5-U0-G4 33,106 29,305 B5-U0-G4 27,622	36,166 32,014 B5-U0-G3 36,832 32,604 B5-U0-G4 36,930 32,690 B5-U0-G4 30,812	40,042 35,445 B5-U0-G3 40,779 36,098 B5-U0-G4 40,888 36,194 B5-U0-G4 34,114
3000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens BUG Rating 4000K/5000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens	3,750 B2-U0-G1 4,314 3,819 B3-U0-G1 4,325 3,828 B3-U0-G1 3,609 3,195	7,327 B3-U0-G1 8,429 7,461 B3-U0-G2 8,452 7,482 B3-U0-G2 7,052 6,242	10,933 B3-U0-G2 12,578 11,134 B4-U0-G2 12,611 11,163 B4-U0-G2 10,522 9,314	14,446 B3-U0-G2 16,619 14,711 B4-U0-G2 16,664 14,751 B4-U0-G2 13,903 12,307	20,219 17,898 B4-U0-G2 20,591 18,227 B4-U0-G2 20,646 18,276 B5-U0-G3 17,226 15,248	24,196 21,418 B4-U0-G2 24,641 21,812 B5-U0-G3 24,707 21,871 B5-U0-G3 20,613 18,247	28,614 25,329 B4-U0-G2 29,141 25,796 B5-U0-G3 29,219 25,865 B5-U0-G4 24,378 21,579	32,422 28,700 B5-U0-G2 33,019 29,228 B5-U0-G4 29,305 B5-U0-G4 27,622 24,451	36,166 32,014 B5-U0-G3 36,832 32,604 B5-U0-G4 36,930 32,690 B5-U0-G4 30,812 27,275	40,042 35,445 B5-U0-G3 40,779 36,098 B5-U0-G4 40,888 36,194 B5-U0-G4 34,114 30,198
3000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens BUG Rating 3000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens BUG Rating	3,750 B2-U0-G1 4,314 3,819 B3-U0-G1 4,325 3,828 B3-U0-G1 3,609 3,195 B1-U0-G1	7,327 B3-U0-G1 8,429 7,461 B3-U0-G2 8,452 7,482 B3-U0-G2 7,052 6,242 B1-U0-G2	10,933 B3-U0-G2 12,578 11,134 B4-U0-G2 12,611 11,163 B4-U0-G2 10,522 9,314 B1-U0-G3	14,446 B3-U0-G2 16,619 14,711 B4-U0-G2 16,664 14,751 B4-U0-G2 13,903 12,307 B2-U0-G3	20,219 17,898 B4-U0-G2 20,591 18,227 B4-U0-G2 20,646 18,276 B5-U0-G3 17,226 15,248 B2-U0-G3	24,196 21,418 B4-U0-G2 24,641 21,812 B5-U0-G3 24,707 21,871 B5-U0-G3 20,613 18,247 B2-U0-G4	28,614 25,329 B4-U0-G2 29,141 25,796 B5-U0-G3 29,219 25,865 B5-U0-G4 24,378 21,579 B3-U0-G4	32,422 28,700 B5-U0-G2 33,019 29,228 B5-U0-G4 29,305 B5-U0-G4 27,622 24,451 B3-U0-G4	36,166 32,014 B5-U0-G3 36,832 32,604 B5-U0-G4 36,930 32,690 B5-U0-G4 30,812 27,275 B3-U0-G5	40,042 35,445 B5-U0-G3 40,779 36,098 B5-U0-G4 40,888 36,194 B5-U0-G4 34,114 30,198 B3-U0-G5
3000K Lumens BUG Rating 4000K/5000K Lumens BUG Rating 4000K/5000K Lumens BUG Rating 4000K/5000K Lumens BUG Rating BUG Rating 4000K/S000K Lumens	3,750 B2-U0-G1 4,314 3,819 B3-U0-G1 4,325 3,828 B3-U0-G1 3,609 3,195 B1-U0-G1 4,197	7,327 B3-U0-G1 8,429 7,461 B3-U0-G2 8,452 7,482 B3-U0-G2 6,242 B1-U0-G2 8,202	10,933 B3-U0-G2 12,578 11,134 B4-U0-G2 12,611 11,163 B4-U0-G2 10,522 9,314 B1-U0-G3 12,239	14,446 B3-U0-G2 16,619 14,711 B4-U0-G2 16,664 14,751 B4-U0-G2 13,903 12,307 B2-U0-G3 16,171	20,219 17,898 B4-U0-G2 20,591 18,227 B4-U0-G2 20,646 18,276 B5-U0-G3 17,226 15,248 B2-U0-G3 20,036	24,196 21,418 B4-U0-G2 24,641 21,812 B5-U0-G3 24,707 21,871 B5-U0-G3 20,613 18,247 B2-U0-G4 23,977	28,614 25,329 B4-U0-G2 29,141 25,796 B5-U0-G3 29,219 25,865 B5-U0-G4 24,378 21,579 B3-U0-G4 28,356	32,422 28,700 B5-U0-G2 33,019 29,228 B5-U0-G4 33,106 29,305 B5-U0-G4 27,622 24,451 B3-U0-G4 32,129	36,166 32,014 B5-U0-G3 36,832 32,604 B5-U0-G4 36,930 32,690 B5-U0-G4 30,812 27,275 B3-U0-G5 35,839	40,042 35,445 B5-U0-G3 40,779 36,098 B5-U0-G4 40,888 36,194 B5-U0-G4 34,114 30,198 B3-U0-G5 39,680
3000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens BUG Rating 4000K/5000K Lumens BUG Rating 4000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens	3,750 B2-U0-G1 4,314 3,819 B3-U0-G1 4,325 3,828 B3-U0-G1 3,609 3,195 B1-U0-G1 4,197 3,715	7,327 B3-U0-G1 8,429 7,461 B3-U0-G2 8,452 7,482 B3-U0-G2 8,202 6,242 B1-U0-G2 8,202 7,260	10,933 B3-U0-G2 12,578 11,134 B4-U0-G2 12,611 11,163 B4-U0-G2 10,522 9,314 B1-U0-G3 12,239 10,834	14,446 B3-U0-G2 16,619 14,711 B4-U0-G2 16,664 14,751 B4-U0-G2 13,903 12,307 B2-U0-G3 16,171 14,315	20,219 17,898 B4-U0-G2 20,591 18,227 B4-U0-G2 20,646 18,276 B5-U0-G3 17,226 15,248 B2-U0-G3 20,036 17,736	24,196 21,418 B4-U0-G2 24,641 21,812 B5-U0-G3 24,707 21,871 B5-U0-G3 20,613 18,247 B2-U0-G4 23,977 21,224	28,614 25,329 B4-U0-G2 29,141 25,796 B5-U0-G3 29,219 25,865 B5-U0-G4 24,378 21,579 B3-U0-G4 28,356 25,101	32,422 28,700 B5-U0-G2 33,019 29,228 B5-U0-G4 33,106 29,305 B5-U0-G4 27,622 24,451 B3-U0-G4 32,129 28,441	36,166 32,014 B5-U0-G3 36,832 32,604 B5-U0-G4 36,930 32,690 B5-U0-G4 30,812 27,275 B3-U0-G5 35,839 31,725	40,042 35,445 B5-U0-G3 40,779 36,098 B5-U0-G4 40,888 36,194 B5-U0-G4 34,114 30,198 B3-U0-G5 39,680 35,125
3000K Lumens BUG Rating 4000K/5000K Lumens BUG Rating 4000K/5000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens BUG Rating 4000K/5000K Lumens BUG Rating BUG Rating	3,750 B2-U0-G1 4,314 3,819 B3-U0-G1 4,325 3,828 B3-U0-G1 3,609 3,195 B1-U0-G1 4,197 3,715 B2-U0-G1	7,327 B3-U0-G1 8,429 7,461 B3-U0-G2 8,452 7,482 B3-U0-G2 6,242 B1-U0-G2 8,202 7,260 B3-U0-G1	10,933 B3-U0-G2 12,578 11,134 B4-U0-G2 12,611 11,163 B4-U0-G2 10,522 9,314 B1-U0-G3 12,239 10,834 B3-U0-G2	14,446 B3-U0-G2 16,619 14,711 B4-U0-G2 16,664 14,751 B4-U0-G2 13,903 12,307 B2-U0-G3 16,171 14,315 B4-U0-G2	20,219 17,898 B4-U0-G2 20,591 18,227 B4-U0-G2 20,646 18,276 B5-U0-G3 17,226 15,248 B2-U0-G3 20,036 17,736 B4-U0-G2	24,196 21,418 B4-U0-G2 24,641 21,812 B5-U0-G3 24,707 21,871 B5-U0-G3 20,613 18,247 B2-U0-G4 23,977 21,224 B4-U0-G2	28,614 25,329 B4-U0-G2 29,141 25,796 B5-U0-G3 29,219 25,865 B5-U0-G4 24,378 21,579 B3-U0-G4 28,356 25,101 B4-U0-G2	32,422 28,700 B5-U0-G2 33,019 29,228 B5-U0-G4 33,106 29,305 B5-U0-G4 27,622 24,451 B3-U0-G4 32,129 28,441 B5-U0-G3	36,166 32,014 B5-U0-G3 36,832 32,604 B5-U0-G4 36,930 32,690 B5-U0-G4 30,812 27,275 B3-U0-G5 35,839 31,725 B5-U0-G3	40,042 35,445 B5-U0-G3 40,779 36,098 B5-U0-G4 40,888 36,194 B5-U0-G4 34,114 30,198 B3-U0-G5 39,680 35,125 B5-U0-G3
e	ent @ 120V (A) ent @ 208V (A) ent @ 240V (A) ent @ 240V (A) ent @ 277V (A) ent @ 347V (A) ent @ 347V (A) ent @ 347V (A) ent @ 347V (A) ent @ 3480V (A) ent @ 3	ant @ 120V (A)         0.30           ant @ 208V (A)         0.17           ant @ 240V (A)         0.15           ant @ 277V (A)         0.14           ant @ 347V (A)         0.11           ant @ 347V (A)         0.11           ant @ 347V (A)         0.08           4000K/5000K Lumens         4,029           3000K Lumens         3,566           BUG Rating         B1-U0-G1           4000K/5000K Lumens         4,278           3000K Lumens         3,787           BUG Rating         B1-U0-G1           4000K/5000K Lumens         4,107           3000K Lumens         3,636           BUG Rating         B1-U0-G1           4000K/5000K Lumens         4,198           3000K Lumens         3,716           BUG Rating         B1-U0-G1           4000K/5000K Lumens         4,131           3000K Lumens         3,657           BUG Rating         B1-U0-G1           4000K/5000K Lumens         4,022           3000K Lumens         3,659           BUG Rating         B1-U0-G1           4000K/5000K Lumens         4,022           3000K Lumens         3,560           BUG Rating	ent @ 120V (A)         0.30         0.58           ent @ 208V (A)         0.17         0.34           ent @ 240V (A)         0.15         0.30           ent @ 240V (A)         0.14         0.28           ent @ 347V (A)         0.11         0.19           ent @ 347V (A)         0.08         0.15           4000K/5000K Lumens         4,029         7,874           3000K Lumens         3,566         6,970           BUG Rating         B1-U0-G1         B1-U0-G2           4000K/5000K Lumens         4,278         8,360           3000K Lumens         3,787         7,400           BUG Rating         B1-U0-G1         B1-U0-G2           4000K/5000K Lumens         4,107         8,026           3000K Lumens         3,636         7,105           BUG Rating         B1-U0-G1         B1-U0-G2           4000K/5000K Lumens         4,198         8,205           3000K Lumens         3,636         7,145           BUG Rating         B1-U0-G1         B1-U0-G2           4000K/5000K Lumens         4,077         7,968           3000K Lumens         3,669         7,053           BUG Rating         B1-U0-G1         B1-U0-G2	ent @ 120V (A)         0.30         0.58         0.86           ent @ 208V (A)         0.17         0.34         0.49           ent @ 240V (A)         0.15         0.30         0.43           ent @ 240V (A)         0.14         0.28         0.41           ent @ 240V (A)         0.11         0.19         0.30           ent @ 347V (A)         0.11         0.19         0.30           ent @ 347V (A)         0.08         0.15         0.24           4000K/5000K Lumens         4,029         7,874         11,749           3000K Lumens         3,566         6,970         10,400           BUG Rating         B1-U0-G1         B1-U0-G2         B2-U0-G2           4000K/5000K Lumens         4,278         8,360         12,474           3000K Lumens         3,787         7,400         11,042           BUG Rating         B1-U0-G1         B1-U0-G2         B2-U0-G2           4000K/5000K Lumens         4,107         8,026         11,976           3000K Lumens         3,636         7,105         10,601           BUG Rating         B1-U0-G1         B1-U0-G2         B2-U0-G2           4000K/5000K Lumens         4,131         8,072         12,045	ant @ 120V (A)         0.30         0.58         0.86         1.16           ant @ 208V (A)         0.17         0.34         0.49         0.65           ant @ 240V (A)         0.15         0.30         0.43         0.56           ant @ 240V (A)         0.14         0.28         0.41         0.52           ant @ 347V (A)         0.11         0.19         0.30         0.39           ant @ 340V (A)         0.10         0.19         0.30         0.39           ant @ 340V (A)         0.11         0.19         0.30         0.39           ant @ 340V (A)         0.10         0.17         0.30         0.39           ant @ 340V (A)         0.10         0.17         0.30         0.39           ant @ 340V (A)         0.08         0.15         0.24         0.30           4000K/5000K Lumens         4,029         7,874         11,749         15,525           3000K Lumens         3,566         6,970         10,400         13,743           BUG Rating         B1-U0-G1         B1-U0-G2         B2-U0-G2         B2-U0-G2           4000K/5000K Lumens         4,107         8,026         11,976         15,824           300K Lumens         3,716	ant @ 120V (A)         0.30         0.58         0.86         1.16         1.44           ant @ 208V (A)         0.17         0.34         0.49         0.65         0.84           ant @ 208V (A)         0.15         0.30         0.43         0.56         0.74           ant @ 277V (A)         0.14         0.28         0.41         0.52         0.69           ant @ 347V (A)         0.11         0.19         0.30         0.39         0.49           ant @ 480V (A)         0.08         0.15         0.24         0.30         0.38           4000K/5000K Lumens         4.029         7.874         11,749         15,525         19,235           3000K Lumens         3,566         6.970         10,400         13,743         17,027           BUG Rating         B1-U0-G1         B1-U0-G2         B2-U0-G2         B2-U0-G2         B2-U0-G3           4000K/5000K Lumens         3,787         7,400         11,042         14,580         18,077           BUG Rating         B1-U0-G1         B1-U0-G2         B2-U0-G2         B2-U0-G3         83-063           4000K/5000K Lumens         3,666         7,105         10,601         14,007         17,354           BUG Rating	ent @ 120V (A)         0.30         0.58         0.86         1.16         1.44         1.73           ant @ 208V (A)         0.17         0.34         0.49         0.65         0.84         0.99           ant @ 208V (A)         0.15         0.30         0.43         0.56         0.74         0.87           ant @ 277V (A)         0.14         0.28         0.41         0.52         0.69         0.81           ant @ 277V (A)         0.11         0.19         0.30         0.39         0.49         0.60           ant @ 37V (A)         0.11         0.19         0.30         0.39         0.49         0.60           ant @ 480V (A)         0.08         0.15         0.24         0.30         0.39         0.49         0.60           ant @ 480V (A)         0.08         0.15         0.24         0.30         0.39         0.49         0.60           ant @ 450V (A)         0.08         0.15         0.24         0.30         0.39         0.49         0.60           ant @ 450V (A)         0.08         0.15         0.24         0.30         0.39         0.49         0.60           ant @ 450V (A)         0.081         1.474         16.482         20.4	nt @ 120v (A)         0.30         0.58         0.86         1.16         1.44         1.73         2.03           ant @ 208V (A)         0.17         0.34         0.49         0.65         0.84         0.99         1.14           ant @ 208V (A)         0.15         0.30         0.43         0.56         0.74         0.87         1.00           ant @ 240V (A)         0.14         0.28         0.41         0.52         0.69         0.81         0.93           ant @ 347V (A)         0.11         0.19         0.30         0.39         0.49         0.60         0.69           ant @ 480V (A)         0.08         0.15         0.24         0.30         0.38         0.49         0.60         0.69           ant @ 480V (A)         0.08         0.15         0.24         0.30         0.38         0.49         0.60         0.69           ant @ 480V (A)         0.08         0.11         0.14         0.30         0.38         0.43         0.400         3.743         17.027         20.376         24.997           BUG Rating         B1-U0-G1         B1-U-G2         B2-U0-G2         B2-U0-G2         B3-U0-G3         B3-U0-G3         B3-U0-G3         B3-U0-G3         B3-U0-G3<	ant e         10.30         0.58         0.86         1.16         1.44         1.73         2.03         2.33           ant e         209V (A)         0.17         0.34         0.49         0.65         0.84         0.99         1.14         1.30           ant e         209V (A)         0.15         0.30         0.43         0.66         0.74         0.87         1.00         1.13           ant e         27V (A)         0.11         0.19         0.30         0.39         0.49         0.60         0.60         0.77           ant e         347V (A)         0.11         0.19         0.30         0.39         0.48         0.65         0.67         0.53         0.55           ant e         3400         0.86         0.15         0.24         0.30         0.38         0.48         0.53         0.53           a000K/5000K Lumens         4.029         7.874         11.749         15.525         19.235         23.019         24.097         27.333           BUG Rating         B1-U0-G1         B1-U0-G2         B2-U0-G2         B2-U0-G2         B3-U0-G3         B3-U0-G4         B3-U0-G4         B3-U0-G4         B3-U0-G4         B3-U0-G4         B3-U0-G4         B3-U0-G4	nn é 220V (A)         0.30         0.58         0.86         1.16         1.44         1.73         2.03         2.53         2.59           nn é 220V (A)         0.77         0.34         0.49         0.65         0.84         0.99         1.14         1.30         1.48           nn é 220V (A)         0.15         0.30         0.49         0.65         0.74         0.87         1.00         1.13         1.30         1.44           nn é 227V (A)         0.14         0.28         0.41         0.52         0.69         0.60         0.69         0.77         0.90           nn é 237V (A)         0.40         0.11         0.19         0.30         0.39         0.49         0.60         0.69         0.77         0.90           nn é 420V (A)         0.68         0.71         0.72         0.237         24.097         27.22         9.0844         34.066           3000K Lumens         3.566         6.970         10.40         13.743         17.027         20.376         24.097         27.333         30.464         83-U0-64         83



#### CONTROL OPTIONS

#### 0-10V (DIM)

This fixture is offered standard with 0-10V dimming driver(s). The DIM option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

#### Photocontrol (P, R and PER7)

Optional button-type photocontrol (P) and photocontrol receptacles (R and PER7) provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PER7 receptacle.

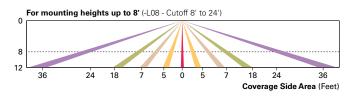
#### After Hours Dim (AHD)

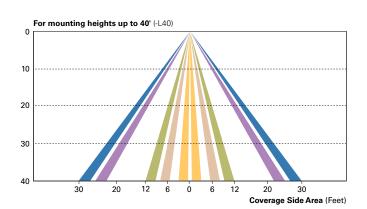
This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a "dusk-to-dawn" period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

#### Dimming Occupancy Sensor (MS/DIM-LXX, MS/X-LXX and MS-LXX)

These sensors are factory installed in the luminaire housing. When the MS/DIM-LXX sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes. The MS-LXX sensor is factory preset to turn the luminaire off after five minutes of no activity. The MS/X-LXX is also preset for five minutes and only controls the specified number of light engines to maintain steady output from the remaining light engines.

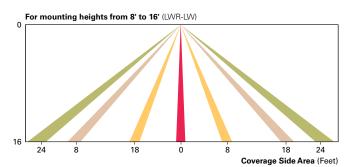
These occupancy sensors includes an integral photocell that can be activated with the FSIR-100 accessory for "dusk-to-dawn" control or daylight harvesting - the factory preset is OFF. The FSIR-100 is a wireless tool utilized for changing the dimming level, time delay, sensitivity and other parameters. A variety of sensor lens are available to optimize the coverage. pattern for mounting heights from 8'-40'.



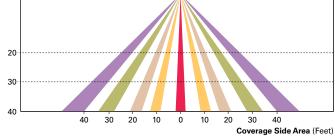




The Eaton's LumaWatt Pro powered by Enlighted is a connected lighting solution that combines a broad selection of energy-efficient LED luminaires with a powerful integrated wireless sensor system. The sensor controls the lighting system in compliance with the latest energy codes and collects valuable data about building performance and use. Software applications turn the granular data into information through energy dashboards and specialized apps that make it simple and help optimize the use of building resources, beyond lighting.



# For mounting heights from 16' to 40' (LWR-LN) 0



#### WaveLinx Wireless Outdoor Lighting Control Module (WOLC-7P-10A)

The 7-pin wireless outdoor lighting control module enables WaveLinx to control outdoor area, site and flood lighting. WaveLinx controls outdoor lighting using schedules to provide ON, OFF and dimming controls based on astronomic or time schedules based on a 7 day week.

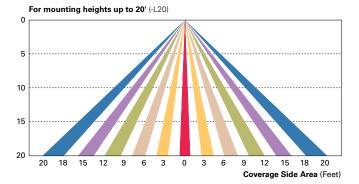
#### LumenSafe Integrated Network Security Camera (LD)

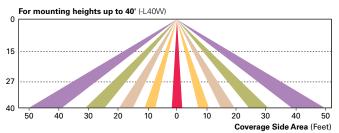
Eaton brings ease of camera deployment to a whole new level. No additional wiring is needed beyond providing line power to the luminaire. A variety of networking options allows security integrators to design the optimal solution for active surveillance. As the ideal solution to meet the needs for active surveillance, the LumenSafe integrated network camera is a streamlined, outdoor-ready fixed dome that provides HDTV 1080p video. This IP camera is optimally designed for deployment in the video management system or security software platform of choice.



#### Eaton 1121 Highway 74 South Peachtree City, GA 30269 P: 770-486-4800 www.eaton.com/lighting

Specifications and dimensions subject to change without notice.





Sample Number: GLEON-AF-04-LED-E1-T3-GM-QM

Product Family <sup>1, 2</sup>	Light Engine	Number of Light Squares <sup>3</sup>	Lamp Type	Voltage	Distribution		Color	Mounting
GLEON=Galleon,	( <b>AF=1A Drive</b> ) Current	01=1 02=2 03=3 04=4 05=5 <sup>4</sup> 06=6 07=7 <sup>5</sup> 08=8 <sup>5</sup> 09=9 <sup>6</sup> 10=10 <sup>6</sup>	(LED=Solid State) Light Emitting Diodes	E1=120-277V 347=347V <sup>7</sup> 480=480V <sup>7.8</sup>	T2=Type II T2=Type II Roadway T3=Type III Roadway T3F=Type IIV Forward Throw T4FT=Type IV Forward Throw T4FT=Type IV Vide 5NQ=Type V Narrow 5MQ=Type V Square Medium 5WQ=Type V Square Medium 5WQ=Type IV Spill Control SL3=Type II w/Spill Control SL4=Type IV w/Spill Control SL4=Type IV w/Spill Control SL4=Spo° Spill Light Eliminator Right RW=Rectangular Wide Type I AFL=Automotive Frontline		AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White	[Blank]=Arm for Round or Square Pole EA=Extended Arm * MA=Mast Arm Adapter * WM=Wall Mount QM=Quick Mount Arm (Standard Length) * QMEA=Quick Mount Arm (Extended Length) *2
Options (Add as S	uffix)					Accessories (Order	Separately)	
PER7=NEMÄ 7-PIN R=NEMA Twistlocl AHD145=After Hou AHD245=After Hou AHD255=After Hou AHD355=After Hou AHD355=After Hou AHD355=After Hou AHD355=After Hou MS/DIM-L08=Moti MS/DIM-L08=Moti MS/DIM-L40=Moti MS/DIM-L40=Moti MS/X-L08=Bi-Leve MS/X-L40=Bi-Leve MS/X-L40=Bi-Leve MS/X-L40=Bi-Leve MS/X-L40=Bi-Leve MS/X-L40=Bi-Leve MS/X-L40=Bi-Leve MS/X-L40=Bi-Leve MS/X-L40=Bi-Leve MS/X-L40=Bi-Leve MS-L40=Motion St MS-L40=Motion St	14 13 13 Factory Set to N. Factory Set to N. Factory Set to N. 14 15 17 17 17 17 18 17 18 17 18 17 19 19 10 10 10 10 10 10 10 10 10 10	ominal 800mA Jominal 800mA Jominal 1200m Just Specify Vol Vust Specify Vol Vust Specify Vol Receptation Second Second Second Second Second Sec	<ul> <li><sup>15</sup> tag a)</li> <li>tag a)</li> <li>tag a)</li> <li>tag a)</li> <li>tag a)</li> <li>v. Must Specify Volata</li> <li>acle <sup>21</sup></li> <li>toon, Maximum 8' Mc</li> <li>toon, 9' - 20' Mounting</li> <li>toon, 21' - 40' Mounting</li> <li>tation, 21' - 40' Mounting</li> <li>thing Height <sup>24, 25, 29</sup></li> <li>unting Height <sup>22, 22, 29</sup></li> <li>unting Height <sup>24, 26, 29</sup></li> <li>thing Height <sup>24, 26, 29</sup></li> <li>thing Height <sup>22, 22, 29</sup></li> <li>unting Height <sup>22, 22, 29</sup></li> <li>unting Height <sup>24, 26, 29</sup></li> <li>thing Height <sup>24, 26, 29</sup></li> <li>thing Height <sup>24, 26, 29</sup></li> <li>thing Height <sup>24, 27, 29</sup></li> <li>unting Height <sup>24, 26, 29</sup></li> <li>thing Heig</li></ul>	punting Height <sup>24</sup> ng Height <sup>24, 26</sup> ng Height <sup>24, 27</sup> ting Height (Wic , <sup>29</sup> Range) <sup>24, 28, 29</sup> i Height <sup>24, 25</sup> ght <sup>24, 27</sup> eight (Wide Ran, ing Height <sup>30, (A)</sup> unting Height <sup>30, (A)</sup>	de Range) <sup>24, 28</sup> ge) <sup>24, 28</sup>	OA/RA1027=NEMA OA/RA1013=Photo OA/RA1013=Photo OA/RA1013=Photo OA/RA1014=120V f MA1036-XX=Single MA1037-XX=2@18 MA1197-XX=3@12 MA1189-XX=2@20 MA1190-XX=3@90 MA1190-XX=3@90 MA1190-XX=2@18 MA1039-XX=2@18 MA1039-XX=2@18 MA1039-XX=2@10 MA1192-XX=3@20 MA1192-XX=3@90 FSIR-100=Wireless GLEON-MT1=Field GLEON-MT1=Field GLEON-MT3=Field GLEON-MT4=Field GLEON-MT4=Field GLEON-MT4=Field GLEON-MT4=Field	ge Module Replacement Tenon Adapter for 2-3% O° Tenon Adapter for 2-3, O° Tenon Adapter for 2-3, ° Tenon Adapter for 2-3, ° Tenon Adapter for 2-3, ° Tenon Adapter for 2-3, O° Tenon Adapter for 2-3, ° Tenon Adapter for 3-1, ° Tenon Adapter for	<ul> <li>" O.D. Tenon</li> <li>(8" O.D. Tenon</li> <li>(8" O.D. Tenon</li> <li>" O.D. Tenon</li> <li>" O.D. Tenon</li> <li>" O.D. Tenon</li> <li>(8" O.D. Tenon</li> <li>(2" O.D. Tenon</li> <li>(3) Tenon</li> <li>(4) Light Squares</li> <li>(4) Light Squares</li> <li>(4) Light Squares</li> <li>(4) Light Squares</li> <li>(5) Light Squares</li> <li>(6) Light Squares</li> <li>(7) Light Squares</li> <li>(7) Light Squares</li> </ul>

NOTES

NOTES: 1 Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information. 2 DesignLights Consortium<sup>®</sup> Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details. 3 Standard 4000K CCT and minimum 70 CRI. 4 Not compatible with MS/4-LXX or MS/1-LXX sensors. 5 Not compatible with extended quick mount arm (QMEA). 6 Not compatible with standard quick mount arm (QMI) or extended quick mount arm (QMEA). 7 Requires the use of an internal step down transformer when combined with sensor options. Not available with sensor at 1200mA. Not available in combination with the HA high ambient and sensor options at 1A. 8 Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems). 9 May be required when two or more luminaires are oriented on a 90° or 120° drilling pattern. Refer to arm mounting requirement table. 10 Factory installed. 11 Maximum 8 light squares. 12 Maximum 6 light squares. 13 Extended lead times apply. Use dedicated IES files for 3000K, 5000K and 6000K when performing layouts. These files are published on the Galleon luminaire product page on the website. 15 I Amp standard. Use dedicated IES files for 600mA, 800mA and 1200mA when performing layouts. These files are published on the Galleon luminaire product page on the website. 18 Not available with MS, MS/X or MS/ 10 M at 347V or 480V. 21 n AF-20 transformation. 22 Not available with Maximum 8 light squares. 21 Not available if any "MS" sensor is selected. Motion sensor has an integral photocell. 22 Requires the use of P hotocontrol or the PER7 or R photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental 20' mounting height. 27 Approximately 60' detection diameter at 40'

#### LumenSafe Integrated Network Security Camera Technology Options (Add as Suffix)

Product Family	Camera Type	Data Backhaul	
L=LumenSafe Technology*	<b>D</b> =Dome Camera	C=Cellular, Customer Installed SIM Card A=Cellular, Factory Installed AT&T SIM Card V=Cellular, Factory Installed Verizon SIM Card S=Cellular, Factory Installed Sprint SIM Card	R=Cellular, Factory Installed Rogers SIM Card W=Wi-Fi Networking w/ Omni-Directional Antenna E=Ethernet Networking

\*Consult LumenSafe system pages for additional details and compatibility. Not available with 9-10 light square housing. Not available with 347V, 480V or high ambient options.



#### Eaton 1121 Highway 74 South Peachtree City, GA 30269 P: 770-486-4800 www.eaton.com/lighting

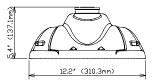
Specifications and dimensions subject to change without notice.

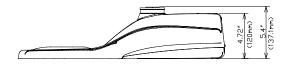


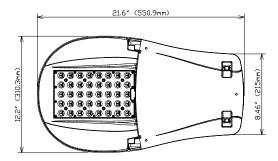
## GreenCobra™ Midsize LED Street Light **GCM H-Series** Specification Data Sheet

#### Luminaire Data

**Weight** 10 lbs [4.6 kg] **EPA** 0.44 ft<sup>2</sup>







SPB<sup>11</sup>

RPB<sup>11</sup>

PTR<sup>11</sup>

#### **Ordering Information**

Sample Catalog No. GCM2 30H MV NW 2R GY 700 PCR7 WL

Product	LED Code	Voltage	Color Temperature	Distribution	Finish <sup>1</sup>	<b>30H Drive</b> Current Code <sup>2</sup>		Options
GCM2	30Н 40Н	MV HV 347-480V	WW         3000K           NW         4000K           CW         5000K	<ul> <li>2S Type 2 Short</li> <li>2R Type 2 Medium</li> <li>3R Type 3 Medium</li> <li>4 Type 4</li> <li>5 Type 5</li> </ul>	GY Gray DB Dark Bronze BK Black	530 610 700 850 1A 40H Drive Current Code <sup>2</sup> 575 700 850 950 1A	FDC <sup>3</sup> FFA <sup>4</sup> LPCR PCR7 <sup>5</sup> PCR7-CR <sup>6</sup> WL 4B RWG SWTB BBL CF <sup>7</sup>	Fixed Drive Current Full field Adjustability Less Photocontrol Receptacle ANSI 7-wire Photo- control Receptacle Control Ready 7-wire PC Receptacle Utility Wattage Label 4-Bolt Mounting Bracket Rubber Wildlife Guard Straight Wire Terminal Block Bubble Level Coastal Paint Finish

#### Notes:

1 Gray, Black, and Dark Bronze standard. Consult factory for other finishes.

2 Specified drive current code is the factory set maximum drive current. Field adjustable current selector enables standard dimming to lower wattage drive currents only. Consult factory if wattage limits require a special drive current.

- 3 Non-field adjustable, fixed drive current. Specify required drive current. Not available with PCR7-CR option.
- 4 The FFA option enables full field adjustability from the specified drive current code to all drive currents available. This option is not DLC qualified.

5 Field adjustable current selector included to enable standard dimming to lower wattage drive currents only. Field changeable connectors included to enable connection to PCR7 (wireless node dimming is disabled by default).

- 6 Control-ready wired at factory for wireless node dimming. Supplied at maximum drive current. If a lower drive current is required, consult factory.
- 7 Specify the CF Option for coastal installation. See warranty for details.
- 8 Flush mounted house side shield. Shield cuts light off at 1/2 mounting height behind luminaire.
- 9 Flush mounted cul-de-sac shield. Shield cuts light off at 1/2 mounting height behind luminaire and 1-1/2 mounting height on either side of luminaire.

10 Flush mounted front side shield cuts light off at approximately one mounting height in front of luminaire (street side).

11 Specify Color (GY, DB, BK)

12 Specify MV (120-277V) or HV (347V-480V)

#### House Side Shield, Snap-On\* HSSGCM<sup>8</sup> CSSGCM<sup>9</sup> Cul-De-Sac Side Shield, Snap-On\* FSSGCM<sup>10</sup> Front Side Shield, Snap-On\* Square Pole Horizontal Arm Bracket Round Pole Horizontal Arm Bracket Pole Top Tenon Horizontal Arm Bracket **PTB2**<sup>11</sup> Pole Top Tenon Horizontal

Accessories\*

\*Accessories are ordered separately and not to be included in the catalog number. For factory installed HSS, CSS, and FSS consult factory.





## GreenCobra<sup>™</sup> Midsize LED Street Light GCM H-Series Specification Data Sheet

#### **Luminaire Specifications**

#### Housing

Die cast aluminum housing with universal two-bolt slip fitter mounts to 1-1/4" to 2" (1-5/8" to 2-3/8" O.D.) diameter mast arm. One-piece aluminum housing provides passive heat-sinking of the LEDs and has upper surfaces that shed precipitation. Four-bolt mounting bracket is available. Mounting provisions meet 3G vibration per ANSI C136.31-2010 Normal Application, Bridge & Overpass. Mounting has leveling adjustment from  $\pm 5^{\circ}$  in 2.5° steps. Electrical components are accessed without tools via a high-strength, non-conductive polycarbonate door with quick-release latches. Polycarbonate material meets UL 746C for outdoor usage. Available rubber wildlife guard (RWG option) conforms to mast arm with no gaps.

#### **Light Emitting Diodes**

High-flux/High-power white LEDs produce a minimum of 90% of initial intensity over 75,000 hours of life based on IES TM-21 (L90 ≥ 75k hours). LEDs are tested in accordance with IES LM-80 testing procedures. LEDs have correlated color temperature of 3000K (WW), 4000K (NW), or 5000K (CW) and 70 CRI minimum. LEDs are 100% mercury and lead free.

#### **Field Adjustability**

LED drive current can be changed in the field to adjust light output for local conditions (not available with PCR7-CR option). The specified drive current code will be the factory set maximum drive current and field adjustments can only be made to available lower wattage drive currents. Select the FFA option if full field adjustability to all available drive currents (1A max) is desired. The FFA option is not DLC qualified.

#### **Quality Control**

Every luminaire is performance tested before and after a 2-hour burn-in period. Assembled in the USA.

#### **Optical Systems**

Micro-lens optical systems produce IESNA Type 2, Type 3, Type 4, or Type 5 distributions and are fully sealed to maintain an IP66 rating. Luminaire produces 0% total lumens above 90° (BUG Rating, U=0). Optional house side shield cuts light off at 1/2 mounting height behind luminaire. Cul-de-sac shield provides back and side light control for end of cul-de-sac applications. Both shields are field installable without tools.

#### Electrical

Rated life of electrical components is 100,000 hours. Uses isolated power supply that is 1-10V dimmable. Power supply is wired with quick-disconnect terminals. Power supply features a minimum power factor of .90 and <20% Total Harmonic Distortion (THD). EMC meets or exceeds FCC CFR Part 15. Terminal block accommodates 6 to 14 gauge wire. Surge protection complies with IEEE/ANSI C62.41 Category C High, 20kV/10kA and ANSI C136.2-2015, 20kV/10kA.

#### Controls

3-Wire photocontrol receptacle is standard. ANSI C136.41 7-wire (PCR7) photocontrol receptacle is available. All photocontrol receptacles have tool-less rotatable bases. Wireless control module is provided by others.

#### Finish

Housing receives a durable, fade-resistant polyester powder coat finish with 3.0 mil nominal thickness. Standard finish tested to withstand 5000 hours in salt spray exposure per ASTM B117 and Coastal Finish per ASTM G85. Finish meets scribe creepage rating 8 per ASTM D1654. Finish tested 500 hours in UV exposure per ASTM G154 and meets ASTM D523 gloss retention.

#### Listings/Ratings/Labels

Luminaires are UL listed for use in wet locations in the United States and Canada. DesignLights Consortium™ qualified product. Consult DLC QPL for Standard and Premium Classification Listings. International Dark Sky Association listed. Luminaire is qualified to operate at ambient temperatures of -40°C to 40°C.

#### Photometry

Luminaires photometrics are tested by certified independent testing laboratories in accordance with IES LM-79 testing procedures.

#### Warranty

10-year limited warranty is standard on luminaire and components.

#### Vandal Resistance

Housing and optics rated to IK10

#### Standards

Luminaire complies with: ANSI: C136.2, C136.3, C136.10, C136.13, C136.15, C136.22, C136.31, C136.35, C136.37, C136.41, C62.41, C78.377, C82.77 Other: FCC 47 CFR, IEC 60598, ROHS II, UL 1449, UL 1598



#### Performance Data: 3000K (WW)

All data nominal. IES files for all CCTs available at leotek.com.

Product	LED Code	Drive Current Code	System Wattage (W)	Delivered Lumens (Lm) <sup>1</sup>	Efficacy (Lm/W)
		530	48	5770	120
		610	58	6700	116
	30H	700	68	7620	112
		850	82	8800	107
GCM2		1A	101	10480	104
GCIVIZ		575	73	8780	120
		700	88	10230	116
	40H	850	107	11960	112
		950	121	13040	108
		1A	135	14080	104

Notes:

1 Nominal lumens. Normal tolerance ± 10% due to factors including distribution type, LED bin variance, and ambient temperatures.

#### Performance Data: 4000K (NW) and 5000K (CW)

All data nominal. IES files for all CCTs available at leotek.com.

Product	LED Code	Drive Current Code	System Wattage (W)	Delivered Lumens (Lm) <sup>1</sup>	Efficacy (Lm/W)
		530	48	6330	132
		610	58	7440	128
	30H	700	68	8550	126
		850	82	9830	120
GCM2		1A	101	11720	116
GCIVIZ		575	73	9590	131
		700	88	11260	128
	40H	850	107	13270	124
		950	121	14390	119
		1A	135	15430	114

Notes:

1 Nominal lumens. Normal tolerance ± 10% due to factors including distribution type, LED bin variance, and ambient temperatures.



#### **BUG Ratings**

3000K (WW)			Type 2S	Type 2R	Type 3R	Type 4	Type 5
Product	LED Code	Drive Current Code	BUG Rating	BUG Rating	BUG Rating	BUG Rating	BUG Rating
		530	B2 U0 G1	B1 U0 G1	B2 U0 G2	B2 U0 G1	B3 U0 G1
		610	B2 U0 G1	B1 U0 G1	B2 U0 G2	B2 U0 G2	B3 U0 G1
	30H	700	B2 U0 G1	B2 U0 G2	B2 U0 G2	B2 U0 G2	B3 U0 G1
		850	B2 U0 G1	B2 U0 G2	B2 U0 G2	B2 U0 G2	B3 U0 G2
GCM2		1A	B2 U0 G2	B2 U0 G2	B2 U0 G2	B2 U0 G2	B3 U0 G2
GCIVIZ		575	B2 U0 G1	B2 U0 G2	B2 U0 G2	B2 U0 G2	B3 U0 G2
		700	B2 U0 G2	B2 U0 G2	B2 U0 G2	B2 U0 G2	B3 U0 G2
	40H	850	B2 U0 G2	B2 U0 G2	B3 U0 G3	B3 U0 G2	B3 U0 G2
		950	B3 U0 G2	B2 U0 G2	B3 U0 G3	B3 U0 G2	B4 U0 G2
		1A	B2 U0 G2	B2 U0 G2	B3 U0 G3	B3 U0 G2	B4 U0 G2

4000K (NW)			Type 2S	Type 2R	Type 3R	Type 4	Type 5
Product	LED Code	Drive Current Code	BUG Rating	BUG Rating	BUG Rating	BUG Rating	BUG Rating
		530	B2 U0 G1	B1 U0 G1	B2 U0 G2	B2 U0 G1	B3 U0 G1
		610	B2 U0 G1	B2 U0 G2	B2 U0 G2	B2 U0 G2	B3 U0 G1
	30H	700	B2 U0 G1	B2 U0 G2	B2 U0 G2	B2 U0 G2	B3 U0 G2
		850	B2 U0 G2	B2 U0 G2	B2 U0 G2	B2 U0 G2	B3 U0 G2
GCM2		1A	B3 U0 G2	B2 U0 G2	B2 U0 G2	B3 U0 G2	B3 U0 G2
GCIVIZ		575	B2 U0 G2	B2 U0 G2	B2 U0 G2	B2 U0 G2	B3 U0 G2
		700	B2 U0 G2	B2 U0 G2	B3 U0 G3	B2 U0 G2	B3 U0 G2
	40H	850	B3 U0 G2	B2 U0 G2	B3 U0 G3	B3 U0 G2	B4 U0 G2
		950	B3 U0 G2	B2 U0 G2	B3 U0 G3	B3 U0 G2	B4 U0 G2
		1A	B3 U0 G2	B3 U0 G3	B3 U0 G3	B3 U0 G3	B4 U0 G2

000K (CW)			Type 2S	Type 2R	Type 3R	Type 4	Type 5
Product	LED Code	Drive Current Code	BUG Rating	BUG Rating	BUG Rating	BUG Rating	BUG Rating
	30H	530	B2 U0 G1	B1 U0 G1	B2 U0 G2	B2 U0 G1	B3 U0 G1
		610	B2 U0 G1	B2 U0 G2	B2 U0 G2	B2 U0 G2	B3 U0 G1
		700	B2 U0 G1	B2 U0 G2	B2 U0 G2	B2 U0 G2	B3 U0 G2
		850	B2 U0 G2	B2 U0 G2	B2 U0 G2	B2 U0 G2	B3 U0 G2
GCM2		1A	B2 U0 G2	B2 U0 G2	B3 U0 G3	B3 U0 G2	B3 U0 G2
GCIVIZ		575	B2 U0 G2	B2 U0 G2	B2 U0 G2	B2 U0 G2	B3 U0 G2
	40H	700	B2 U0 G2	B2 U0 G2	B3 U0 G3	B2 U0 G2	B3 U0 G2
		850	B3 U0 G2	B2 U0 G2	B3 U0 G3	B3 U0 G2	B4 U0 G2
		950	B3 U0 G2	B2 U0 G2	B3 U0 G3	B3 U0 G2	B4 U0 G2
		1A	B3 U0 G2	B3 U0 G3	B3 U0 G3	B3 U0 G3	B4 U0 G2

#### DESCRIPTION

The Galleon<sup>™</sup> LED luminaire delivers exceptional performance in a highly scalable, low-profile design. Patented, high-efficiency AccuLED Optics<sup>™</sup> system provides uniform and energy conscious illumination to walkways, parking lots, roadways, building areas and security lighting applications. IP66 rated and UL/cUL Listed for wet locations.

# **McGraw-Edison**

Catalog #	GLEON-AF-01-LED-E1-SL4-HSS		Туре
Project		F1	
Comments			Date
Prepared by			

#### SPECIFICATION FEATURES

#### Construction

Extruded aluminum driver enclosure thermally isolated from Light Squares for optimal thermal performance. Heavy-wall, diecast aluminum end caps enclose housing and die-cast aluminum heat sinks. A unique, patent pending interlocking housing and heat sink provides scalability with superior structural rigidity. 3G vibration tested and rated. Optional tool-less hardware available for ease of entry into electrical chamber. Housing is IP66 rated.

#### Optics

Patented, high-efficiency injection-molded AccuLED Optics technology. Optics are precisely designed to shape the distribution maximizing efficiency and application spacing. AccuLED Optics create consistent distributions with the scalability to meet customized application requirements. Offered standard in 4000K (+/- 275K) CCT 70 CRI. Optional 3000K, 5000K and 6000K CCT.

#### Electrical

LED drivers are mounted to removable tray assembly for ease of maintenance. 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480V Wve systems only. Standard with 0-10V dimming. Shipped standard with Eaton proprietary circuit module designed to withstand 10kV of transient line surge. The Galleon LED luminaire is suitable for operation in -40°C to 40°C ambient environments. For applications with ambient temperatures exceeding 40°C, specify the HA (High Ambient) option. Light Squares are IP66 rated. Greater than 90% lumen maintenance expected at 60,000 hours. Available in standard 1A drive current and optional 600mA. 800mA and 1200mA drive currents (nominal).

#### Mounting

STANDARD ARM MOUNT: Extruded aluminum arm includes internal bolt guides allowing for easy positioning of fixture during mounting. When mounting two or more luminaires at 90° and 120° apart, the EA extended arm may be required. Refer to the arm mounting requirement table. Round pole adapter included. For wall mounting, specify wall mount bracket option. QUICK MOUNT ARM: Adapter is bolted directly to the pole. Quick mount arm slide into place on the adapter and is secured via two screws, facilitating quick and easy installation. The versatile, patent pending, quick mount arm accommodates multiple drill patterns ranging from 1-1/2" to 4-7/8". Removal of the door on the quick mount arm enables wiring of the fixture without having to access the driver compartment. A knock-out enables round pole mounting.

#### Finish

Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Heat sink is powder coated black. Standard housing colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available.

#### Warranty

Five-year warranty.

DRILLING PATTERN

2

[51mm]

1-3/4"

[44mm]

TYPE "N"



# GALLEON LED

1-10 Light Squares Solid State LED

#### **AREA/SITE LUMINAIRE**



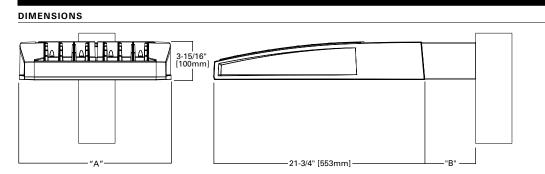
CERTIFICATION DATA UL/cUL Wet Location Listed ISO 9001 LM79 / LM80 Compliant 3G Vibration Rated IP66 Rated DesignLights Consortium® Qualified\*

ENERGY DATA

Electronic LED Driver >0.9 Power Factor <20% Total Harmonic Distortion 120V-277V 50/60Hz 347V & 480V 60Hz -40°C Min. Temperature 40°C Max. Temperature 50°C Max. Temperature (HA Option)



#### TD500020EN November 30, 2018 2:24 PM



#### DIMENSION DATA

Number of Light Squares	"A" Width	"B" Standard Arm Length	"B" Optional Arm Length <sup>1</sup>	Weight with Arm (Ibs.)	EPA with Arm ²(Sq. Ft.)
1-4	15-1/2" (394mm)	7" (178mm)	10" (254mm)	33 (15.0 kgs.)	0.96
5-6	21-5/8" (549mm)	7" (178mm)	10" (254mm)	44 (20.0 kgs.)	1.00
7-8	27-5/8" (702mm)	7" (178mm)	13" (330mm)	54 (24.5 kgs.)	1.07
9-10	33-3/4" (857mm)	7" (178mm)	16" (406mm)	63 (28.6 kgs.)	1.12

NOTES: 1. Optional arm length to be used when mounting two fixtures at 90° on a single pole. 2. EPA calculated with optional arm length.



(2) 9/16" [14mm]

Diameter Holes

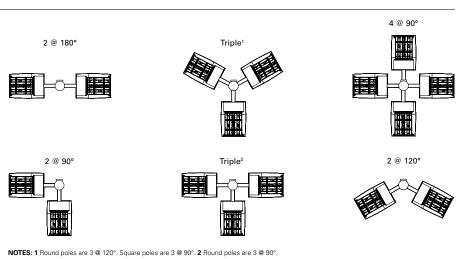
3/4" [19mm]

Diameter Hole

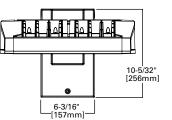
7/8" [22mm]

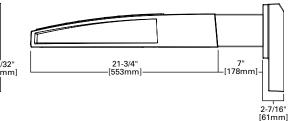
#### ARM MOUNTING REQUIREMENTS

Configuration	90° Apart	120° Apart	
GLEON-AF-01	7" Arm (Standard)	7" Arm (Standard)	
GLEON-AF-02	7" Arm (Standard)	7" Arm (Standard)	
GLEON-AF-03	7" Arm (Standard)	7" Arm (Standard)	
GLEON-AF-04	7" Arm (Standard)	7" Arm (Standard)	
GLEON-AF-05	10" Extended Arm (Required)	7" Arm (Standard)	
GLEON-AF-06	10" Extended Arm (Required)	7" Arm (Standard)	
GLEON-AF-07	13" Extended Arm (Required)	13" Extended Arm (Required)	
GLEON-AF-08	13" Extended Arm (Required)	13" Extended Arm (Required)	
GLEON-AF-09	16" Extended Arm (Required)	16" Extended Arm (Required)	
GLEON-AF-10	16" Extended Arm (Required)	16" Extended Arm (Required)	

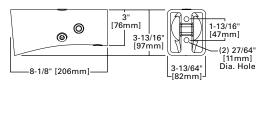


STANDARD WALL MOUNT

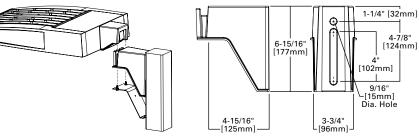




MAST ARM MOUNT



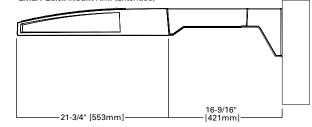
#### QUICK MOUNT ARM (INCLUDES FIXTURE ADAPTER)



QM Quick Mount Arm (Standard) 3-15/16" [100mm] "A" - 21-3/4" [553mm]–

QMEA Quick Mount Arm (Extended)

4-7/8" [124mm]



#### QUICK MOUNT ARM DATA

Number of Light Squares <sup>1, 2</sup>	"A" Width	Weight with QM Arm (lbs.)	Weight with QMEA Arm (lbs.)	EPA (Sq. Ft.)
1-4	15-1/2" (394mm)	35 (15.91 kgs.)	38 (17.27 kgs.)	
5-6 <sup>3</sup>	21-5/8" (549mm)	46 (20.91 kgs.)	49 (22.27 kgs.)	1.11
7-8	27-5/8" (702mm)	56 (25.45 kgs.)	59 (26.82 kgs.)	

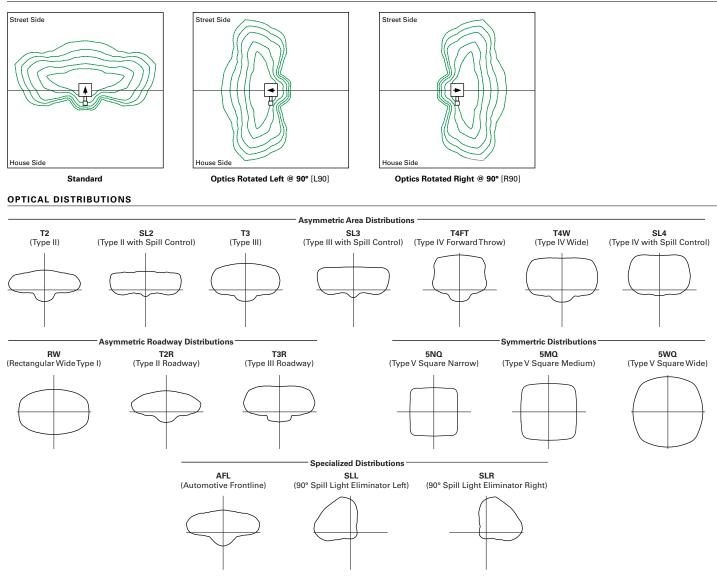
10-5/8" -[269mm]-

NOTES: 1 QM option available with 1-8 light square configurations. 2 QMEA option available with 1-6 light square configurations. 3 QMEA arm to be used when mounting two fixtures at 90° on a single pole.



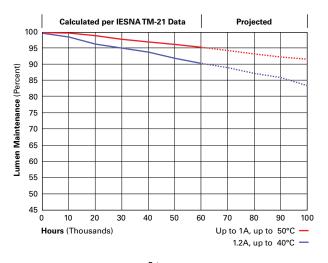
Specifications and dimensions subject to change without notice.

#### OPTIC ORIENTATION



#### LUMEN MAINTENANCE

Drive Current	Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Projected L70 (Hours)
Up to 1A	Up to 50°C	> 95%	416,000
1.2A	Up to 40°C	> 90%	205,000



#### LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97



Eaton 1121 Highway 74 South Peachtree City, GA 30269 P: 770-486-4800 www.eaton.com/lighting

Specifications and dimensions subject to change without notice.

TD500020EN November 30, 2018 2:24 PM

### NOMINAL POWER LUMENS (1.2A)

Number o	of Light Squares	1	2	3	4	5	6	7	8	9	10
Nominal F	Power (Watts)	67	129	191	258	320	382	448	511	575	640
Input Curi	rent @ 120V (A)	0.58	1.16	1.78	2.31	2.94	3.56	4.09	4.71	5.34	5.87
Input Curi	rent @ 208V (A)	0.33	0.63	0.93	1.27	1.57	1.87	2.22	2.52	2.8	3.14
Input Curi	rent @ 240V (A)	0.29	0.55	0.80	1.10	1.35	1.61	1.93	2.18	2.41	2.71
Input Curi	rent @ 277V (A)	0.25	0.48	0.70	0.96	1.18	1.39	1.69	1.90	2.09	2.36
Input Curi	rent @ 347V (A)	0.20	0.39	0.57	0.78	0.96	1.15	1.36	1.54	1.72	1.92
Input Curi	rent @ 480V (A)	0.15	0.30	0.43	0.60	0.73	0.85	1.03	1.16	1.28	1.45
Optics		l	l	I	I	l					
	4000K/5000K Lumens	6,709	13,111	19,562	25,848	32,026	38,325	45,324	51,355	57,286	63,424
T2	3000K Lumens	5,939	11,606	17,316	22,881	28,349	33,925	40,121	45,459	50,710	56,143
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	7,122	13,919	20,769	27,442	34,000	40,687	48,117	54,519	60,816	67,333
T2R	3000K Lumens	5,939	11,606	17,316	22,881	28,349	33,925	40,121	45,459	50,710	56,143
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,838	13,363	19,939	26,346	32,642	39,062	46,196	52,343	58,388	64,646
тз	3000K Lumens	6,053	11,829	17,650	23,321	28,895	34,578	40,893	46,334	51,685	57,225
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,990	13,660	20,382	26,931	33,368	39,930	47,223	53,506	59,686	66,081
T3R	3000K Lumens	6,188	12,092	18,042	23,839	29,537	35,346	41,802	47,364	52,834	58,495
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,878	13,440	20,055	26,499	32,832	39,289	46,464	52,646	58,726	65,020
T4FT	3000K Lumens	6,088	11,897	17,753	23,457	29,063	34,779	41,130	46,602	51,984	57,556
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,789	13,267	19,795	26,156	32,408	38,781	45,864	51,967	57,968	64,180
T4W	3000K Lumens	6,010	11,744	17,523	23,153	28,688	34,329	40,599	46,001	51,313	56,812
1400	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,697	13,088	19,529	25,804	31,970	38,259	45,245	51,267	57,186	63,315
SL2	3000K Lumens	5,928	11,585	17,287	22,842	28,300	33,867	40,051	45,382	50,621	56,046
312	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	40,051 B4-U0-G5	43,382 B4-U0-G5	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,837	13,361		26,342	32,639	39,057	46,189	52,336	58,380	64,636
SL3		6,052	11,827	19,936 17,647	23,318	28,892	39,057	40,189	46,328		57,216
313	3000K Lumens	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	40,887 B3-U0-G5	40,328 B4-U0-G5	51,678 B4-U0-G5	B4-U0-G5
	BUG Rating										
CI 4	4000K/5000K Lumens	6,496	12,695	18,943	25,029	31,011	37,110	43,886	49,727	55,470	61,414
SL4	3000K Lumens	5,750	11,238	16,768	22,156	27,451	32,850	38,848	44,018	49,102	54,364
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	4000K/5000K Lumens	7,052	13,781	20,564	27,171	33,664	40,285	47,641	53,981	60,215	66,669
5NQ	3000K Lumens	6,242	12,199	18,203	24,052	29,799	35,660	42,172	47,784	53,302	59,015
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	4000K/5000K Lumens	7,182	14,034	20,942	27,671	34,284	41,027	48,518	54,975	61,323	67,896
5MQ	3000K Lumens	6,358	12,423	18,538	24,494	30,348	36,317	42,948	48,664	54,283	60,102
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
	4000K/5000K Lumens	7,201	14,073	20,998	27,744	34,375	41,136	48,648	55,121	61,487	68,077
5WQ	3000K Lumens	6,374	12,457	18,587	24,559	30,429	36,414	43,063	48,793	54,428	60,262
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	4000K/5000K Lumens	6,009	11,741	17,519	23,148	28,681	34,321	40,589	45,990	51,301	56,798
SLL/SLR	3000K Lumens	5,319	10,393	15,508	20,491	25,388	30,381	35,929	40,710	45,412	50,278
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,989	13,657	20,378	26,925	33,360	39,921	47,211	53,494	59,672	66,066
RW	3000K Lumens	6,187	12,089	18,039	23,834	29,530	35,338	41,791	47,353	52,822	58,482
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
	4000K/5000K Lumens	7,014	13,706	20,452	27,023	33,481	40,066	47,383	53,688	59,888	66,306
AFL	3000K Lumens	6,209	12,133	18,104	23,921	29,637	35,466	41,943	47,525	53,013	58,694
		B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G4



### NOMINAL POWER LUMENS (1A)

Number o	f Light Squares	1	2	3	4	5	6	7	8	9	10
	Power (Watts)	59	113	166	225	279	333	391	445	501	558
	rent @ 120V (A)	0.51	1.02	1.53	2.03	2.55	3.06	3.56	4.08	4.6	5.07
-	rent @ 208V (A)	0.29	0.56	0.82	1.11	1.37	1.64	1.93	2.19	2.46	2.75
-	rent @ 240V (A)	0.26	0.48	0.71	0.96	1.19	1.41	1.67	1.89	2.12	2.39
-	rent @ 277V (A)	0.23	0.40	0.61	0.83	1.03	1.23	1.45	1.65	1.84	2.09
-	rent @ 347V (A)	0.17	0.32	0.50	0.64	0.82	1.00	1.14	1.32	1.50	1.68
-	rent @ 480V (A)	0.14	0.24	0.37	0.48	0.61	0.75	0.91	0.99	1.12	1.28
Optics		0.14	0.24	0.07	0.40	0.01	0.70	0.01	0.00	1.12	1.20
0000	4000K/5000K Lumens	6,116	11,951	17,833	23,563	29,195	34,937	41,317	46,814	52,221	57,817
T2	3000K Lumens	5,414	10,579	15,786	20,858	25,843	30,926	36,574	41,440	46,226	51,180
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,493	12,688	18,932	25,015	30,994	37,090	43,863	49,699	55,439	61,380
T2R	3000K Lumens	5,748	11,231	16,759	22,143	27,436	32,832	38,828	43,994	49,075	54,334
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,234	12,181	18,176	24,017	29,756	35,609	42,111	47,715	53,225	58,930
тз	3000K Lumens	5,518	10,783	16,089	21,260	26,340	31,521	37,277	42,237	47,115	52,165
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	42,237 B4-U0-G5	47,115 B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,372	12,453	18,580	24,550	30,418	36,400	43,048	48,776	54,409	60,239
T3R	3000K Lumens	5,640	12,453	16,447	24,550	26,926	32,221	38,106	43,177	48,163	53,324
1311	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,270	12,252	18,282	24,156	29,929	35,815	42,356	47,992	53,534	59,271
T4FT	3000K Lumens	5,550	10,845	16,183	24,150	26,493	31,703	37,494	42,483	47,388	52,467
1461	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	42,483 B3-U0-G5	47,388 B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,189	12,094	18,045	23,844	29,543	35,352	41,809	47,372	52,843	58,506
T4W	3000K Lumens	5,479	12,094	15,973	23,844	29,543	31,294	37,009	41,934	46,777	51,790
1400	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,105	11,931	17,803	23,522	29,144	34,877	41,245	46,734	52,130	57,717
SL2	3000K Lumens	5,404	10,561	15,759	20,822	25,798	30,873	36,510	40,734	46,145	51,091
312		5,404 B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	84-U0-G5	B4-U0-G5
	BUG Rating 4000K/5000K Lumens	6,233		18,174		29,753	35,604	42,106	47,708		
SL3	3000K Lumens		12,180 10,782	16,088	24,013	29,755	31,517	37,272	47,708	53,218	58,921
313		5,517 B1-U0-G2	B2-U0-G3	B2-U0-G3	21,256 B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	42,231 B3-U0-G5	47,109 B4-U0-G5	52,157 B4-U0-G5
	BUG Rating 4000K/5000K Lumens	5,922	11,572	17,268	22,816	28,269	33,829	40,006	45,330	50,566	55,984
SL4	3000K Lumens	5,922	10,244	15,286	22,818	25,024	29,945	35,413	40,126	44,761	49,557
314			B1-U0-G3							B3-U0-G5	
	BUG Rating	B1-U0-G2		B2-U0-G3	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5		B3-U0-G5
5NQ	4000K/5000K Lumens 3000K Lumens	6,429 5,691	12,563 11,121	18,746 16,594	24,768 21,925	30,688 27,165	36,723 32,507	43,429 38,443	49,208 43,559	54,891 48,590	60,775 53,798
5110	BUG Rating	B2-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
	4000K/5000K Lumens	6,547	12,794	19,090	25,224	31,253	37,400	44,228	50,114	55,902	61,893
5MQ	3000K Lumens	5,795	11,325	16,898	22,328	27,665	33,106	39,151	44,361	49,484	54,788
51112	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
	4000K/5000K Lumens	6,564	12,828	19,141	25,291	31,336	37,499	44,347	50,248	56,051	62,058
5WQ	3000K Lumens	5,810	12,828	16,944	23,291	27,739	37,499	39,256	44,480	49,616	54,934
5112	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	4000K/5000K Lumens	5,478	10,703	15,970	21,102	26,145	31,286	37,001	41,924	46,765	51,777
SLL/SLR	3000K Lumens	4,849	9,474	14,137	18,679	23,145	27,694	32,753	37,111	40,705	45,833
JLL/JLN	BUG Rating	4,849 B1-U0-G2	9,474 B1-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	45,833 B3-U0-G5
	4000K/5000K Lumens	6,371	12,449	18,576	24,544	30,411	36,392	43,037	48,764	54,396	60,225
RW	3000K Lumens	5,640	12,449	16,443	24,544	26,920	32,214	38,096	43,166	48,151	53,311
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	4000K/5000K Lumens	6,394	12,494	18,644	24,634	30,521	36,524	43,194	48,942	54,593	60,444
AFL	3000K Lumens	5,660	12,494	16,504	24,634	27,017	30,524	38,235	48,942	48,326	53,505
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	38,235 B3-U0-G3	43,323 B3-U0-G3	48,326 B4-U0-G4	B4-U0-G4
	Bod nating	B1-00-G1	B2-00-G2	B2-00-G2	B3-00-G2	53-00-63	03-00-03	60-00-63	53-00-63	54-00-64	D4-00-G4



### NOMINAL POWER LUMENS (800MA)

4000K/5000K Lumens         5,246         10,251         15,290         20,211         25,041         29,066         35,439         40,184         44,711         49,592           3000K Lumens         4,644         3,074         13,400         12,819         22,166         25,526         33,71         35,544         39,049         43,889           3000K Lumens         4,649         8,10-62         82-0-63         83-0-63         83-0-63         83-0-63         83-0-63         83-0-63         83-0-63         83-0-63         83-0-64							_					
Importance + 2207 (A)         0.33         0.77         1.13         1.54         1.53         2.20         2.47         3.23         3.39         3.39           Importane-ret # 2007 (A)         0.37         0.44         0.87         0.88         1.56         1.16         1.57         1.61         1.27         2.77           Importane-ret # 207 (A)         0.77         0.38         0.38         0.48         0.40         0.40         0.50         1.10         1.30         1.42         1.17           Importane-ret # 207 (A)         0.57         0.44         0.80         0.40         0.80         0.59         0.31         1.12         1.12           Importane-ret # 207 (A)         0.57         0.44         0.80         0.408         0.808         2.208         2.22.27         2.3.28         2.7.22         4.2.31         4.2.17           2000 Lumma         4.544         0.571         1.534         1.581         1.581         1.581         1.581         3.541         3.541         3.541         3.541         3.541         3.541         3.541         3.541         3.541         3.541         3.541         3.541         3.541         3.541         3.541         3.541         3.541         3.541 <th></th> <th></th> <th></th> <th></th> <th> </th> <th></th> <th></th> <th>-</th> <th></th> <th>-</th> <th></th> <th></th>								-		-		
peq Let with a set of the set												
Ipper Current # 247V (A)         0.19         0.39         0.36         0.37         0.32         0.34         0.37         0.39         0.36         1.19         1.31         1.42         1.37           Input Current # 049V (A)         0.10         0.20         0.32         0.37         0.48         0.68         0.77         0.68         0.77         0.68         0.87           Statistic Murrent # 049V (A)         0.10         0.85         0.44         0.68         0.68         0.77         0.68         0.88           Statistic Murrent # 049V (A)         0.10         0.856         14.40         10.08         2.5588         2.627         3.532         3.743         4.747         4.757           Mode School Lumons         4.44         0.757         17.78         2.568         3.810-63         8.340-64         8.737         4.737         4.739         4.807           Mode School Lumons         5.444         10.71         15.546         12.71         2.564         3.717         5.546         3.713         5.554         3.737         3.454         4.809         4.206           Mode School Lumons         4.444         5.77         1.683         8.50-64         8.50-64         8.50-64         8.50-64	-											
Instr         TYY (A)         0.57         0.58         0.47         0.87         0.88         0.97         0.58         1.19         1.13         1.42         1.57           Instr Currer # 07V (A)         0.51         0.18         0.23         0.40         0.58         0.57         0.58         0.57         0.58         0.57         0.58         0.57         0.58         0.59         0	-											
Impact Server 4 897 (A)         0.15         0.24         0.33         0.48         0.53         0.77         0.87         1.07         0.87         0.80           Imate Server         4.0005 (Scook Lumes)         4.44         9.680         1.72         0.88         0.77         0.88         0.80           Stop Server         5.000 Server         5	-											
hptpt Current # 489V [A]0.110.880.290.370.480.590.660.770.880.56OpticT23000K lumont4.9419.06614.40919.0387.3.6897.3.6897.3.6877.3.8377.7.824.7.1114.0.7133000K lumont4.9410.06610.0268.1.00 C48.1.00 C4 <td>-</td> <td></td>	-											
Option         Addit Model Lummen         4.91         9.666         14.408         19.898         23.688         23.688         23.382         23.888         23.382         23.888         23.382         23.888         23.382         23.888         23.382         23.888         23.382         23.888         23.382         23.888         23.382         23.888         23.382         23.888         23.382         23.888         23.382         23.888         23.382         23.888         23.332         43.184         44.14         44.731         44.589           3000K Lummer         4.644         8.071         13.540         17.261         22.166         28.3926         31.371         35.544         39.046         43.048         43.048         43.048         43.048         43.048         43.048         43.048         43.048         43.048 <t< td=""><td>-</td><td></td><td></td><td></td><td></td><td></td><td>0.63</td><td></td><td></td><td></td><td></td><td></td></t<>	-						0.63					
4000K 5000K Lumenie         4,641         9,858         14,469         19,039         23,588         28,227         33,382         27,823         42,191         46,713           3000K Lumenie         4,374         6,874         12,764         16,852         20,858         28,497         23,582         23,481         37,347         41,350           4000K M000K Lumma         5,464         19,274         15,598         72,011         25,041         29,366         39,349         40,114         44,471         43,599           3000K Lumma         5,464         19,224         15,490         72,821         22,166         29,126         83,10-64         83,10-65         83,10-64         83,10-64         83,10-64         83,10-65         83,10-65         83,10-65         83,10-65         83,10-65         83,10-65         83,10-65         83,10-65         83,10-65         83,10-65	Input Curr	ent @ 480V (A)	0.11	0.18	0.29	0.37	0.48	0.59	0.66	0.77	0.88	0.96
1         1	Optics	1		1	1	1	1	1		r	1	
bitB		4000K/5000K Lumens	4,941	9,656	14,408	19,038	23,588	28,227	33,382	37,823	42,191	46,713
4000K5000K Lumens         6.240         10.251         15.296         20.211         26.041         29.860         8.4,89         40.64         44.791         46.852           3000K Lumens         4.644         0,704         15.340         77.80         22.666         26.523         15.71         35.644         38.940         48.950           13         4000K5000K Lumens         5.07         8.842         14.685         16.404         29.1071         25.043         35.0404         38.910-6         38.910-6         38.910-6         38.910-6         38.910-6         38.910-6         38.910-6         8.910-6	T2	3000K Lumens	4,374	8,547	12,754	16,852	20,880	24,987	29,550	33,481	37,347	41,350
bit         bit<         bit<         bit<         bit<		BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5
Buß Ann,         Bul-ue         Bul-u		4000K/5000K Lumens	5,246	10,251	15,296	20,211	25,041	29,966	35,439	40,154	44,791	49,592
4000K/5000K Lumens         5,037         8,842         14,685         19,404         24,041         28,770         34,024         38,551         43,003         47,612           3000K Lumens         4,489         8,772         12,989         17,176         21,281         25,467         30,106         38,10-05         82,10-05 <td< td=""><td>T2R</td><td>3000K Lumens</td><td>4,644</td><td>9,074</td><td>13,540</td><td>17,891</td><td>22,166</td><td>26,526</td><td>31,371</td><td>35,544</td><td>39,649</td><td>43,899</td></td<>	T2R	3000K Lumens	4,644	9,074	13,540	17,891	22,166	26,526	31,371	35,544	39,649	43,899
101000 Lunem4.4.594.7.1012.9.9917.109.7.1		BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
Image         Image <th< td=""><td></td><td>4000K/5000K Lumens</td><td>5,037</td><td>9,842</td><td>14,685</td><td>19,404</td><td>24,041</td><td>28,770</td><td>34,024</td><td>38,551</td><td>43,003</td><td>47,612</td></th<>		4000K/5000K Lumens	5,037	9,842	14,685	19,404	24,041	28,770	34,024	38,551	43,003	47,612
400K/500KLumen         5.148         10.061         15.011         19.835         24,576         29,049         34,780         39,478         49,781         49,781         49,781         49,781         49,781         49,781         49,781         49,781         49,781         49,781         49,781         49,781         49,781         49,781         49,781         49,781         49,781         49,781         49,781         49,771         15,781         20,701         45,714         49,703         49,781	Т3	3000K Lumens	4,459	8,712	12,999	17,176	21,281	25,467	30,118	34,125	38,066	42,146
B00K Lumen         4,557         8,969         13,280         17,580         21,755         26,033         30,797         48,484         38,391         43,302           B00K Lumen         61,050         18-10-02		BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
BUG RatingB1-Uo-GB1-Uo-GB2-Uo-GB2-Uo-GB3-Uo-GB3-Uo-GB3-Uo-GB3-Uo-GB3-Uo-GB3-Uo-GA000K 5000 K LumensJ.4.84B.7.00B.7.0011,77011,570Z.1.00Z.5.0130.2.031,27032,37332,37332,37332,37332,37332,37332,37332,37332,37332,37332,37342,89442,393A000K 5000 K LumensG.1000B1-Uo-GB1-Uo-GB1-Uo-GB1-Uo-GB1-Uo-GB1-Uo-GB1-Uo-GB1-Uo-GB1-Uo-GB1-Uo-GB1-Uo-GB1-UO-G<		4000K/5000K Lumens	5,148	10,061	15,011	19,835	24,576	29,409	34,780	39,408	43,959	48,669
4000K/500K Lumens         5.060         9.899         14.707         19.516         24.111         28.305         34.221         38.774         43.282         47.888           74FT         3000K Lumens         4.444         8.783         13.074         17.276         21.405         25.614         30.292         34.333         38.287         42.389           8UG Rating         B1-U0-C2         B1-U0-C2         B1-U0-C2         B2-U0-C3         B2-U0-C4         B3-U0-C4	T3R	3000K Lumens	4,557	8,906	13,288	17,558	21,755	26,033	30,787	34,884	38,913	43,082
T4F3000Lumen4.4.406.4.6013.0.4013.0.4017.0.7021.0.4083		BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
BUG RatingB1:Uo:QB1:Uo:QB2:Uo:QB2:Uo:QB2:Uo:QB3:UO:QB3:UO:QB3:UO:QB3:UO:QB3:UO:QB3:UO:QB3:UO:QB3:UO:QB3:UO:QB3:UO:QB3:UO <q< th="">B3:UO:QB3:UO<q< th="">B3:UO:QB3:UO:QB3:UO:QB3:UO:QB3:UO:QB3:UO:QB3:UO:QB3:UO:QB3:UO<q< th="">B3:UO:QB3:UO<q< th="">B3:UO<q< td="" th<=""><td></td><td>4000K/5000K Lumens</td><td>5,066</td><td>9,899</td><td>14,770</td><td>19,516</td><td>24,181</td><td>28,936</td><td>34,221</td><td>38,774</td><td>43,252</td><td>47,888</td></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<></q<>		4000K/5000K Lumens	5,066	9,899	14,770	19,516	24,181	28,936	34,221	38,774	43,252	47,888
4000K/5000Klumens5.0009.77114.57919.24423.86928.56233.77938.27442.89447.289TMW3000Klumens4.4268.64912.90517.05221.12925.28329.90133.80037.79341.843BUG RatingB1-U-G2B2-U-G2B2-U-G2B2-U-G3B3-U-G4B3-U-G4B3-U-G4B3-U-G5B3-U-G5B4-U-G5B4-U-G5S124000K/5000Klumens4.3339.63914.38319.00523.54728.17833.32437.78342.18446.83BUG RatingB1-U-G2B2-U-G2B2-U-G3B3-U-G3B3-U-G3B3-U-G4B3-U-G4B3-U-G5B4-U-G5B4-U-G5BUG RatingB1-U-G2B2-U-G2B2-U-G3B3-U-G3B3-U-G3B3-U-G4B3-U-G4B3-U-G4B3-U-G5B4-U-G5B4-U-G5MOK/5000Klumens5.0369.84114.68319.40124.03928.7643.01138.64442.99747.605S13B00K S000Klumens4.789B1-U-G2B1-U-G3B2-U-G4B3-U-G4B3-U-G4B3-U-G5<	T4FT	3000K Lumens	4,484	8,763	13,074	17,276	21,405	25,614	30,292	34,323	38,287	42,390
TAWe300K Lumens4.42e8.48e12.90c12.90c21.12921.20229.20c.381.00-6483.00-6483.00-6483.00-6683.00-6583.00		BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
HereBud RatingBud WeigBud Weig<		4000K/5000K Lumens	5,000	9,771	14,579	19,264	23,869	28,562	33,779	38,274	42,694	47,269
4000K/5000K Lumens4.9339.63914.38319.00523.54728.17833.24337.75842.11846.632SL23000K Lumens4.3678.53212.7216.82320.84424.94329.49833.42337.28341.719BLG Rating81-Uo-C2B2-Uo-C2B2-Uo-C3B2-Uo-C3B3-Uo-C3B3-Uo-C4B3-Uo-C4B3-Uo-C4B3-Uo-C5B4-Uo-C5B4-Uo-C5A000K/5000K Lumens4.4588.71112.97727.73427.87633.62438.54642.71738.64642.99747.876BUG RatingB1-Uo-C2B1-U0-C2B2-U0-C3B2-U0-C3B2-U0-C3B2-U0-C3B3-U0-C4B3-U0-C4B3-U0-C5	T4W	3000K Lumens	4,426	8,649	12,905	17,052	21,129	25,283	29,901	33,880	37,793	41,843
SL2300K Lumens4,3678,56217,73216,82320,84424,94329,94833,42537,28341,737BUG Rating81-U0-C282-U0-C382-U0-C383-U0-C383-U0-C383-U0-C483-U0-C483-U0-C483-U0-C584-		BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
HereBer ConstraintBer Constraint </td <td></td> <td>4000K/5000K Lumens</td> <td>4,933</td> <td>9,639</td> <td>14,383</td> <td>19,005</td> <td>23,547</td> <td>28,178</td> <td>33,324</td> <td>37,758</td> <td>42,118</td> <td>46,632</td>		4000K/5000K Lumens	4,933	9,639	14,383	19,005	23,547	28,178	33,324	37,758	42,118	46,632
A000K/500K Lumens5,0369,84114,68319,40124,03928,76634,01938,54642,99747,665SL3300K Lumens4,4588,71112,97717,17421,27925,46430,11434,12138,06142,140BUG RatingB1-U-G2B1-U-G2B2-U-G3B2-U-G3B3-U-G4B3-U-G4B3-U-G4B3-U-G5B3-U-G5B3-U-G5B3-U-G447,297SL43000K Lumens4,7849,35013,95118,43422,84027,32332,22336,62440,85440,054BUG RatingB1-U-G2B1-U-G3B1-U-G312,34916,31822,04022,37232,22336,62440,85440,054M00K/5000K Lumens51,14015,15420,01422,16422,16682,U-G583,U-G583,U-G583,U-G583,U-G583,U-G584,34949,102M00K/5000K Lumens51,90411,05015,15420,01421,94429,67035,08839,75744,34949,102M00K/5000K Lumens51,90413,05013,05017,71421,94826,26431,06035,19339,25843,455M00K S5000K Lumens5,29010,33715,42420,38025,25030,21735,73440,48945,16550,006M00K S5000K Lumens5,30413,05013,65014,04025,25630,21735,73440,58744,26550,198M00K S5000K Lumens5,30413,05014,65624,44<	SL2	3000K Lumens	4,367	8,532	12,732	16,823	20,844	24,943	29,498	33,423	37,283	41,279
SLA300K Lumens4.4588,71112.99717.17421.27925.46430.11434.12138.06142.10BG RatingB1-0-G2B1-0-G2B2-0-G3B2-0-G3B3-0-GB3-0-		BUG Rating		B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
SLA300K Lumens4.4588,71112.99717.17421.27925.46430.11434.12138.06142.10BG RatingB1-0-G2B1-0-G2B2-0-G3B2-0-G3B3-0-GB3-0-		4000K/5000K Lumens	5,036	9,841	14,683	19,401	24,039	28,766	34,019	38,546	42,997	47,605
BUG RatingB1-U0-C2B1-U0-C2B2-U0-C3B2-U0-C3B3-U0-C4B3-U0-C4B3-U0-C5B3-U0	SL3	3000K Lumens					21,279					
A000K/500K Lumens4.7849.35013.95118.43422.84027.32232.32336.62440.85445.232SLA3000K Lumens4.2358.27712.34916.31820.21824.19428.61232.42036.64440.039BUG RatingB1-U0-G2B1-U0-G3B1-U0-G3B1-U0-G3B2-U0-G4B2-U0-G4B2-U0-G5B2-U0-G5B3-U0-		BUG Rating										B3-U0-G5
SL43000K Lumens4,2558,27712,34916,31820,21824,19426,61232,42036,16440,039BUG RatingB1-UG-G2B1-UG-G2B1-UG-G3B1-UG-G3B2-UG-G4B2-UG-G4B2-UG-G5B3		-				18,434						
BUG RatingB1-U0-G2B1-U0-G3B1-U0-G3B2-U0-G4B2-U0-G4B2-U0-G5B2-U0-G5B3-U0	SL4											
4000K/5000K Lumens5,19410,15015,14520,01124,79429,67035,08839,75744,3949,1025NQ3000K Lumens4,5988,98513,40617,71421,94826,26431,00035,19339,25843,465BUG RatingB2-U0-C1B3-U0-C1B3-U0-C2B4-U0-C2B4-U0-C2B5-U0-C2B5-U0-C3B5-U0												
SNQ300K Lumens4,5986,98513,40617,71421,94826,26431,06035,19339,25843,465BG Rating82-U0-GI83-U0-GI83-U0-GI84-U0-CI84-U0-CI85-U0-GI85-U												
BUG RatingB2-U0-citB3-U0-citB3-U0-citB4-U0-citB4-U0-citB5-U0-cit <td>5NO</td> <td></td>	5NO											
4000K/5000K Lumens         5,290         10,337         15,424         20,380         25,250         30,217         35,734         40,489         45,165         50,006           5M0         3000K Lumens         4,683         9,150         13,653         18,040         22,351         26,748         31,632         35,841         39,980         44,265           BUG Rating         B3-U0-G1         B3-U0-G2         B4-U0-G2         B4-U0-G2         B5-U0-G3         B5-U0-G3         B5-U0-G3         B5-U0-G4	51442											
SMQ300K Lumens4,6839,15013,65318,04022,35126,74831,62035,84139,80044,265BUG RatingB3-UGB3-UGB4-UGB4-UGB5		-										
BUG Rating         B3-U0-GI         B3-U0-GI         B4-U0-GI         B4-U0-GI         B5-U0-GI	EMO											
4000K/5000K Lumens         5,304         10,365         15,465         20,434         25,318         30,297         35,830         40,597         45,286         50,139           5WQ         3000K Lumens         4,695         9,175         13,690         18,088         22,411         26,819         31,717         35,936         40,087         44,383           BUG Rating         B3-U0-G1         B4-U0-G2         B4-U0-G2         B5-U0-G3         B5-U0-G3         B5-U0-G4         B3-U0-G4	510102											
SWQ $300K Lumens$ $4,695$ $9,175$ $13,690$ $18,088$ $22,411$ $26,819$ $31,717$ $35,936$ $40,087$ $44,383$ BUG Rating $B3-U0-G1$ $B4-U0-G2$ $B4-U0-G2$ $B5-U0-G3$ $B5-U0-G3$ $B5-U0-G4$ <td></td> <td>-</td> <td></td>		-										
BUG Rating         B3-U0-G1         B4-U0-G2         B4-U0-G2         B5-U0-G3         B5-U0-G3         B5-U0-G4	514/0											
4000K/5000K Lumens         4,426         8,648         12,903         17,049         21,124         25,278         29,894         33,872         37,784         41,832           SLL/SLR         3000K Lumens         3,918         7,655         11,422         15,092         18,699         22,376         26,462         29,983         33,466         37,030           BUG Rating         B1-U0-G2         B1-U0-G2         B2-U0-G3         B2-U0-G3         B2-U0-G4         B3-U0-G4         B3-U0-G5         B3-U0-G5 <td>5000</td> <td></td>	5000											
SLL/SLR         300K Lumens         3,918         7,655         11,422         15,092         18,699         22,376         26,462         29,983         33,446         37,000           BUG Rating         B1-U0-G2         B1-U0-G2         B2-U0-G3         B2-U0-G3         B2-U0-G4         B3-U0-G4         B3-U0-G5		-										
BUG Rating         B1-U0-G2         B1-U0-G2         B2-U0-G3         B2-U0-G3         B2-U0-G3         B3-U0-G3	011/01-											
4000K/5000K Lumens         5,147         10,058         15,009         19,830         24,570         29,402         34,771         39,399         43,949         48,658           RW         3000K Lumens         4,556         8,903         13,286         17,554         21,749         26,027         30,779         34,876         38,904         43,072           BUG Rating         B2-U0-G1         B3-U0-G1         B3-U0-G2         B4-U0-G2         B4-U0-G2         B5-U0-G3	SLL/SLR											
RW         3000K Lumens         4,556         8,903         13,286         17,554         21,749         26,027         30,779         34,876         38,904         43,072           BUG Rating         B2-U0-G1         B3-U0-G1         B3-U0-G2         B4-U0-G2         B4-U0-G2         B5-U0-G3         B5-U0-G3 <t< td=""><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>B3-U0-G5</td></t<>		-										B3-U0-G5
BUG Rating         B2-U0-G1         B3-U0-G1         B3-U0-G2         B4-U0-G2         B4-U0-G2         B5-U0-G3												48,658
4000K/5000K Lumens 5,166 10,095 15,063 19,903 24,659 29,509 34,898 39,542 44,108 48,835	RW											
												B5-U0-G4
AFL         3000K Lumens         4,573         8,936         13,334         17,618         21,828         26,121         30,892         35,003         39,044         43,229		4000K/5000K Lumens	5,166				24,659	29,509				
	AFL	3000K Lumens	4,573	8,936	13,334	17,618	21,828	26,121	30,892	35,003	39,044	43,229
BUG Rating B1-U0-G1 B1-U0-G1 B2-U0-G2 B2-U0-G2 B3-U0-G2 B3-U0-G3 B3-U0-G3-U0-G3 B3-U0-G3 B3-U		-	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3



#### NOMINAL POWER LUMENS (600MA)

	· · · · ·		· · · · · ·	· · · · · · · · · · · · · · · · · · ·						
f Light Squares	1	2	3	4	5	6	7	8	9	10
ower (Watts)	34	66	96	129	162	193	226	257	290	323
ent @ 120V (A)	0.30	0.58	0.86	1.16	1.44	1.73	2.03	2.33	2.59	2.89
ent @ 208V (A)	0.17	0.34	0.49	0.65	0.84	0.99	1.14	1.30	1.48	1.63
ent @ 240V (A)	0.15	0.30	0.43	0.56	0.74	0.87	1.00	1.13	1.30	1.43
ent @ 277V (A)	0.14	0.28	0.41	0.52	0.69	0.81	0.93	1.04	1.22	1.33
ent @ 347V (A)	0.11	0.19	0.30	0.39	0.49	0.60	0.69	0.77	0.90	0.99
ent @ 480V (A)	0.08	0.15	0.24	0.30	0.38	0.48	0.53	0.59	0.71	0.77
4000K/5000K Lumens	4,029	7,874	11,749	15,525	19,235	23,019	27,222	30,844	34,406	38,093
3000K Lumens	3,566	6,970	10,400	13,743	17,027	20,376	24,097	27,303	30,456	33,720
BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4
4000K/5000K Lumens	4,278	8,360	12,474	16,482	20,421	24,437	28,900	32,745	36,527	40,441
3000K Lumens	3,787	7,400	11,042	14,590	18,077	21,632	25,582	28,986	32,334	35,798
BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4
4000K/5000K Lumens	4,107	8,026	11,976	15,824	19,605	23,461	27,746	31,438	35,068	38,827
3000K Lumens	3,636	7,105	10,601	14,007	17,354	20,768	24,561	27,829	31,042	34,370
BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
4000K/5000K Lumens	4,198	8,205	12,242	16,175	20,041	23,982	28,363	32,137	35,848	39,689
										35,133
										B3-U0-G5
										39,052
										34,569
										B3-U0-G5
-										
										38,547
										34,122
-										B3-U0-G5
										38,028
										33,662
-										B3-U0-G5
										38,821
										34,364
-										B3-U0-G5
4000K/5000K Lumens	3,902	7,624	11,377		18,626	22,289	26,359		33,316	36,886
3000K Lumens	3,454	6,749	10,071		16,488	19,730	23,333		29,491	32,651
BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-110-G4	B2-110-G4	B2-110-G4	B2-U0-G5	B3-U0-G5	
4000K/5000K Lumens					D2 00 04	B2-00-04	D2 00 04	52 00 00	00 00 00	B3-U0-G5
	4,236	8,277	12,351	16,319	20,219	24,196	28,614	32,422	36,166	B3-U0-G5 40,042
3000K Lumens	4,236 3,750	8,277 7,327	12,351 10,933	16,319 14,446						
					20,219	24,196	28,614	32,422	36,166	40,042
3000K Lumens	3,750	7,327	10,933	14,446	20,219 17,898	24,196 21,418	28,614 25,329	32,422 28,700	36,166 32,014	40,042 35,445
3000K Lumens BUG Rating	3,750 B2-U0-G1	7,327 B3-U0-G1	10,933 B3-U0-G2	14,446 B3-U0-G2	20,219 17,898 B4-U0-G2	24,196 21,418 B4-U0-G2	28,614 25,329 B4-U0-G2	32,422 28,700 B5-U0-G2	36,166 32,014 B5-U0-G3	40,042 35,445 B5-U0-G3
3000K Lumens BUG Rating 4000K/5000K Lumens	3,750 B2-U0-G1 4,314	7,327 B3-U0-G1 8,429	10,933 B3-U0-G2 12,578	14,446 B3-U0-G2 16,619	20,219 17,898 B4-U0-G2 20,591	24,196 21,418 B4-U0-G2 24,641	28,614 25,329 B4-U0-G2 29,141	32,422 28,700 B5-U0-G2 33,019	36,166 32,014 B5-U0-G3 36,832	40,042 35,445 B5-U0-G3 40,779
3000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens	3,750 B2-U0-G1 4,314 3,819	7,327 B3-U0-G1 8,429 7,461	10,933 B3-U0-G2 12,578 11,134	14,446 B3-U0-G2 16,619 14,711	20,219 17,898 B4-U0-G2 20,591 18,227	24,196 21,418 B4-U0-G2 24,641 21,812	28,614 25,329 B4-U0-G2 29,141 25,796	32,422 28,700 B5-U0-G2 33,019 29,228	36,166 32,014 B5-U0-G3 36,832 32,604	40,042 35,445 B5-U0-G3 40,779 36,098
3000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens BUG Rating	3,750 B2-U0-G1 4,314 3,819 B3-U0-G1	7,327 B3-U0-G1 8,429 7,461 B3-U0-G2	10,933 B3-U0-G2 12,578 11,134 B4-U0-G2	14,446 B3-U0-G2 16,619 14,711 B4-U0-G2	20,219 17,898 B4-U0-G2 20,591 18,227 B4-U0-G2	24,196 21,418 B4-U0-G2 24,641 21,812 B5-U0-G3	28,614 25,329 B4-U0-G2 29,141 25,796 B5-U0-G3	32,422 28,700 B5-U0-G2 33,019 29,228 B5-U0-G4	36,166 32,014 B5-U0-G3 36,832 32,604 B5-U0-G4	40,042 35,445 B5-U0-G3 40,779 36,098 B5-U0-G4
3000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens BUG Rating 4000K/5000K Lumens	3,750 B2-U0-G1 4,314 3,819 B3-U0-G1 4,325	7,327 B3-U0-G1 8,429 7,461 B3-U0-G2 8,452	10,933 B3-U0-G2 12,578 11,134 B4-U0-G2 12,611	14,446 B3-U0-G2 16,619 14,711 B4-U0-G2 16,664	20,219 17,898 B4-U0-G2 20,591 18,227 B4-U0-G2 20,646	24,196 21,418 B4-U0-G2 24,641 21,812 B5-U0-G3 24,707	28,614 25,329 B4-U0-G2 29,141 25,796 B5-U0-G3 29,219	32,422 28,700 B5-U0-G2 33,019 29,228 B5-U0-G4 33,106	36,166 32,014 B5-U0-G3 36,832 32,604 B5-U0-G4 36,930	40,042 35,445 B5-U0-G3 40,779 36,098 B5-U0-G4 40,888
3000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens	3,750 B2-U0-G1 4,314 3,819 B3-U0-G1 4,325 3,828	7,327 B3-U0-G1 8,429 7,461 B3-U0-G2 8,452 7,482	10,933 B3-U0-G2 12,578 11,134 B4-U0-G2 12,611 11,163	14,446 B3-U0-G2 16,619 14,711 B4-U0-G2 16,664 14,751	20,219 17,898 B4-U0-G2 20,591 18,227 B4-U0-G2 20,646 18,276	24,196 21,418 B4-U0-G2 24,641 21,812 B5-U0-G3 24,707 21,871	28,614 25,329 B4-U0-G2 29,141 25,796 B5-U0-G3 29,219 25,865	32,422 28,700 B5-U0-G2 33,019 29,228 B5-U0-G4 33,106 29,305	36,166 32,014 B5-U0-G3 36,832 32,604 B5-U0-G4 36,930 32,690	40,042 35,445 B5-U0-G3 40,779 36,098 B5-U0-G4 40,888 36,194
3000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens BUG Rating 3000K Lumens BUG Rating	3,750 B2-U0-G1 4,314 3,819 B3-U0-G1 4,325 3,828 B3-U0-G1	7,327 B3-U0-G1 8,429 7,461 B3-U0-G2 8,452 7,482 B3-U0-G2	10,933 B3-U0-G2 12,578 11,134 B4-U0-G2 12,611 11,163 B4-U0-G2	14,446 B3-U0-G2 16,619 14,711 B4-U0-G2 16,664 14,751 B4-U0-G2	20,219 17,898 B4-U0-G2 20,591 18,227 B4-U0-G2 20,646 18,276 B5-U0-G3	24,196 21,418 B4-U0-G2 24,641 21,812 B5-U0-G3 24,707 21,871 B5-U0-G3	28,614 25,329 B4-U0-G2 29,141 25,796 B5-U0-G3 29,219 25,865 B5-U0-G4	32,422 28,700 B5-U0-G2 33,019 29,228 B5-U0-G4 33,106 29,305 B5-U0-G4	36,166 32,014 B5-U0-G3 36,832 32,604 B5-U0-G4 36,930 32,690 B5-U0-G4	40,042 35,445 B5-U0-G3 40,779 36,098 B5-U0-G4 40,888 36,194 B5-U0-G4
3000K Lumens BUG Rating 4000K/5000K Lumens BUG Rating 4000K/5000K Lumens BUG Rating BUG Rating 4000K/5000K Lumens	3,750 B2-U0-G1 4,314 3,819 B3-U0-G1 4,325 3,828 B3-U0-G1 3,609	7,327 B3-U0-G1 8,429 7,461 B3-U0-G2 8,452 7,482 B3-U0-G2 7,052	10,933 B3-U0-G2 12,578 11,134 B4-U0-G2 12,611 11,163 B4-U0-G2 10,522	14,446 B3-U0-G2 16,619 14,711 B4-U0-G2 16,664 14,751 B4-U0-G2 13,903	20,219 17,898 B4-U0-G2 20,591 18,227 B4-U0-G2 20,646 18,276 B5-U0-G3 17,226	24,196 21,418 B4-U0-G2 24,641 21,812 B5-U0-G3 24,707 21,871 B5-U0-G3 20,613	28,614 25,329 B4-U0-G2 29,141 25,796 B5-U0-G3 29,219 25,865 B5-U0-G4 24,378	32,422 28,700 B5-U0-G2 33,019 29,228 B5-U0-G4 33,106 29,305 B5-U0-G4 27,622	36,166 32,014 B5-U0-G3 36,832 32,604 B5-U0-G4 36,930 32,690 B5-U0-G4 30,812	40,042 35,445 B5-U0-G3 40,779 36,098 B5-U0-G4 40,888 36,194 B5-U0-G4 34,114
3000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens BUG Rating 4000K/5000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens	3,750 B2-U0-G1 4,314 3,819 B3-U0-G1 4,325 3,828 B3-U0-G1 3,609 3,195	7,327 B3-U0-G1 8,429 7,461 B3-U0-G2 8,452 7,482 B3-U0-G2 7,052 6,242	10,933 B3-U0-G2 12,578 11,134 B4-U0-G2 12,611 11,163 B4-U0-G2 10,522 9,314	14,446 B3-U0-G2 16,619 14,711 B4-U0-G2 16,664 14,751 B4-U0-G2 13,903 12,307	20,219 17,898 B4-U0-G2 20,591 18,227 B4-U0-G2 20,646 18,276 B5-U0-G3 17,226 15,248	24,196 21,418 B4-U0-G2 24,641 21,812 B5-U0-G3 24,707 21,871 B5-U0-G3 20,613 18,247	28,614 25,329 B4-U0-G2 29,141 25,796 B5-U0-G3 29,219 25,865 B5-U0-G4 24,378 21,579	32,422 28,700 B5-U0-G2 33,019 29,228 B5-U0-G4 29,305 B5-U0-G4 27,622 24,451	36,166 32,014 B5-U0-G3 36,832 32,604 B5-U0-G4 36,930 32,690 B5-U0-G4 30,812 27,275	40,042 35,445 B5-U0-G3 40,779 36,098 B5-U0-G4 40,888 36,194 B5-U0-G4 34,114 30,198
3000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens BUG Rating 3000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens BUG Rating	3,750 B2-U0-G1 4,314 3,819 B3-U0-G1 4,325 3,828 B3-U0-G1 3,609 3,195 B1-U0-G1	7,327 B3-U0-G1 8,429 7,461 B3-U0-G2 8,452 7,482 B3-U0-G2 7,052 6,242 B1-U0-G2	10,933 B3-U0-G2 12,578 11,134 B4-U0-G2 12,611 11,163 B4-U0-G2 10,522 9,314 B1-U0-G3	14,446 B3-U0-G2 16,619 14,711 B4-U0-G2 16,664 14,751 B4-U0-G2 13,903 12,307 B2-U0-G3	20,219 17,898 B4-U0-G2 20,591 18,227 B4-U0-G2 20,646 18,276 B5-U0-G3 17,226 15,248 B2-U0-G3	24,196 21,418 B4-U0-G2 24,641 21,812 B5-U0-G3 24,707 21,871 B5-U0-G3 20,613 18,247 B2-U0-G4	28,614 25,329 B4-U0-G2 29,141 25,796 B5-U0-G3 29,219 25,865 B5-U0-G4 24,378 21,579 B3-U0-G4	32,422 28,700 B5-U0-G2 33,019 29,228 B5-U0-G4 29,305 B5-U0-G4 27,622 24,451 B3-U0-G4	36,166 32,014 B5-U0-G3 36,832 32,604 B5-U0-G4 36,930 32,690 B5-U0-G4 30,812 27,275 B3-U0-G5	40,042 35,445 B5-U0-G3 40,779 36,098 B5-U0-G4 40,888 36,194 B5-U0-G4 34,114 30,198 B3-U0-G5
3000K Lumens BUG Rating 4000K/5000K Lumens BUG Rating 4000K/5000K Lumens BUG Rating 4000K/5000K Lumens BUG Rating BUG Rating 4000K/S000K Lumens	3,750 B2-U0-G1 4,314 3,819 B3-U0-G1 4,325 3,828 B3-U0-G1 3,609 3,195 B1-U0-G1 4,197	7,327 B3-U0-G1 8,429 7,461 B3-U0-G2 8,452 7,482 B3-U0-G2 6,242 B1-U0-G2 8,202	10,933 B3-U0-G2 12,578 11,134 B4-U0-G2 12,611 11,163 B4-U0-G2 10,522 9,314 B1-U0-G3 12,239	14,446 B3-U0-G2 16,619 14,711 B4-U0-G2 16,664 14,751 B4-U0-G2 13,903 12,307 B2-U0-G3 16,171	20,219 17,898 B4-U0-G2 20,591 18,227 B4-U0-G2 20,646 18,276 B5-U0-G3 17,226 15,248 B2-U0-G3 20,036	24,196 21,418 B4-U0-G2 24,641 21,812 B5-U0-G3 24,707 21,871 B5-U0-G3 20,613 18,247 B2-U0-G4 23,977	28,614 25,329 B4-U0-G2 29,141 25,796 B5-U0-G3 29,219 25,865 B5-U0-G4 24,378 21,579 B3-U0-G4 28,356	32,422 28,700 B5-U0-G2 33,019 29,228 B5-U0-G4 33,106 29,305 B5-U0-G4 27,622 24,451 B3-U0-G4 32,129	36,166 32,014 B5-U0-G3 36,832 32,604 B5-U0-G4 36,930 32,690 B5-U0-G4 30,812 27,275 B3-U0-G5 35,839	40,042 35,445 B5-U0-G3 40,779 36,098 B5-U0-G4 40,888 36,194 B5-U0-G4 34,114 30,198 B3-U0-G5 39,680
3000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens BUG Rating 4000K/5000K Lumens BUG Rating 4000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens	3,750 B2-U0-G1 4,314 3,819 B3-U0-G1 4,325 3,828 B3-U0-G1 3,609 3,195 B1-U0-G1 4,197 3,715	7,327 B3-U0-G1 8,429 7,461 B3-U0-G2 8,452 7,482 B3-U0-G2 8,202 6,242 B1-U0-G2 8,202 7,260	10,933 B3-U0-G2 12,578 11,134 B4-U0-G2 12,611 11,163 B4-U0-G2 10,522 9,314 B1-U0-G3 12,239 10,834	14,446 B3-U0-G2 16,619 14,711 B4-U0-G2 16,664 14,751 B4-U0-G2 13,903 12,307 B2-U0-G3 16,171 14,315	20,219 17,898 B4-U0-G2 20,591 18,227 B4-U0-G2 20,646 18,276 B5-U0-G3 17,226 15,248 B2-U0-G3 20,036 17,736	24,196 21,418 B4-U0-G2 24,641 21,812 B5-U0-G3 24,707 21,871 B5-U0-G3 20,613 18,247 B2-U0-G4 23,977 21,224	28,614 25,329 B4-U0-G2 29,141 25,796 B5-U0-G3 29,219 25,865 B5-U0-G4 24,378 21,579 B3-U0-G4 28,356 25,101	32,422 28,700 B5-U0-G2 33,019 29,228 B5-U0-G4 33,106 29,305 B5-U0-G4 27,622 24,451 B3-U0-G4 32,129 28,441	36,166 32,014 B5-U0-G3 36,832 32,604 B5-U0-G4 36,930 32,690 B5-U0-G4 30,812 27,275 B3-U0-G5 35,839 31,725	40,042 35,445 B5-U0-G3 40,779 36,098 B5-U0-G4 40,888 36,194 B5-U0-G4 34,114 30,198 B3-U0-G5 39,680 35,125
3000K Lumens BUG Rating 4000K/5000K Lumens BUG Rating 4000K/5000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens BUG Rating 4000K/5000K Lumens BUG Rating BUG Rating	3,750 B2-U0-G1 4,314 3,819 B3-U0-G1 4,325 3,828 B3-U0-G1 3,609 3,195 B1-U0-G1 4,197 3,715 B2-U0-G1	7,327 B3-U0-G1 8,429 7,461 B3-U0-G2 8,452 7,482 B3-U0-G2 6,242 B1-U0-G2 8,202 7,260 B3-U0-G1	10,933 B3-U0-G2 12,578 11,134 B4-U0-G2 12,611 11,163 B4-U0-G2 10,522 9,314 B1-U0-G3 12,239 10,834 B3-U0-G2	14,446 B3-U0-G2 16,619 14,711 B4-U0-G2 16,664 14,751 B4-U0-G2 13,903 12,307 B2-U0-G3 16,171 14,315 B4-U0-G2	20,219 17,898 B4-U0-G2 20,591 18,227 B4-U0-G2 20,646 18,276 B5-U0-G3 17,226 15,248 B2-U0-G3 20,036 17,736 B4-U0-G2	24,196 21,418 B4-U0-G2 24,641 21,812 B5-U0-G3 24,707 21,871 B5-U0-G3 20,613 18,247 B2-U0-G4 23,977 21,224 B4-U0-G2	28,614 25,329 B4-U0-G2 29,141 25,796 B5-U0-G3 29,219 25,865 B5-U0-G4 24,378 21,579 B3-U0-G4 28,356 25,101 B4-U0-G2	32,422 28,700 B5-U0-G2 33,019 29,228 B5-U0-G4 33,106 29,305 B5-U0-G4 27,622 24,451 B3-U0-G4 32,129 28,441 B5-U0-G3	36,166 32,014 B5-U0-G3 36,832 32,604 B5-U0-G4 36,930 32,690 B5-U0-G4 30,812 27,275 B3-U0-G5 35,839 31,725 B5-U0-G3	40,042 35,445 B5-U0-G3 40,779 36,098 B5-U0-G4 40,888 36,194 B5-U0-G4 34,114 30,198 B3-U0-G5 39,680 35,125 B5-U0-G3
e	ent @ 120V (A) ent @ 208V (A) ent @ 240V (A) ent @ 240V (A) ent @ 277V (A) ent @ 347V (A) ent @ 347V (A) ent @ 347V (A) ent @ 347V (A) ent @ 3480V (A) ent @ 3	ant @ 120V (A)         0.30           ant @ 208V (A)         0.17           ant @ 240V (A)         0.15           ant @ 277V (A)         0.14           ant @ 347V (A)         0.11           ant @ 347V (A)         0.11           ant @ 347V (A)         0.08           4000K/5000K Lumens         4,029           3000K Lumens         3,566           BUG Rating         B1-U0-G1           4000K/5000K Lumens         4,278           3000K Lumens         3,787           BUG Rating         B1-U0-G1           4000K/5000K Lumens         4,107           3000K Lumens         3,636           BUG Rating         B1-U0-G1           4000K/5000K Lumens         4,198           3000K Lumens         3,716           BUG Rating         B1-U0-G1           4000K/5000K Lumens         4,131           3000K Lumens         3,657           BUG Rating         B1-U0-G1           4000K/5000K Lumens         4,022           3000K Lumens         3,659           BUG Rating         B1-U0-G1           4000K/5000K Lumens         4,022           3000K Lumens         3,560           BUG Rating	ent @ 120V (A)         0.30         0.58           ent @ 208V (A)         0.17         0.34           ent @ 240V (A)         0.15         0.30           ent @ 240V (A)         0.14         0.28           ent @ 347V (A)         0.11         0.19           ent @ 347V (A)         0.08         0.15           4000K/5000K Lumens         4,029         7,874           3000K Lumens         3,566         6,970           BUG Rating         B1-U0-G1         B1-U0-G2           4000K/5000K Lumens         4,278         8,360           3000K Lumens         3,787         7,400           BUG Rating         B1-U0-G1         B1-U0-G2           4000K/5000K Lumens         4,107         8,026           3000K Lumens         3,636         7,105           BUG Rating         B1-U0-G1         B1-U0-G2           4000K/5000K Lumens         4,198         8,205           3000K Lumens         3,636         7,145           BUG Rating         B1-U0-G1         B1-U0-G2           4000K/5000K Lumens         4,077         7,968           3000K Lumens         3,669         7,053           BUG Rating         B1-U0-G1         B1-U0-G2	ent @ 120V (A)         0.30         0.58         0.86           ent @ 208V (A)         0.17         0.34         0.49           ent @ 240V (A)         0.15         0.30         0.43           ent @ 240V (A)         0.14         0.28         0.41           ent @ 240V (A)         0.11         0.19         0.30           ent @ 347V (A)         0.11         0.19         0.30           ent @ 347V (A)         0.08         0.15         0.24           4000K/5000K Lumens         4,029         7,874         11,749           3000K Lumens         3,566         6,970         10,400           BUG Rating         B1-U0-G1         B1-U0-G2         B2-U0-G2           4000K/5000K Lumens         4,278         8,360         12,474           3000K Lumens         3,787         7,400         11,042           BUG Rating         B1-U0-G1         B1-U0-G2         B2-U0-G2           4000K/5000K Lumens         4,107         8,026         11,976           3000K Lumens         3,636         7,105         10,601           BUG Rating         B1-U0-G1         B1-U0-G2         B2-U0-G2           4000K/5000K Lumens         4,131         8,072         12,045	ant @ 120V (A)         0.30         0.58         0.86         1.16           ant @ 208V (A)         0.17         0.34         0.49         0.65           ant @ 240V (A)         0.15         0.30         0.43         0.56           ant @ 240V (A)         0.14         0.28         0.41         0.52           ant @ 347V (A)         0.11         0.19         0.30         0.39           ant @ 340V (A)         0.10         0.19         0.30         0.39           ant @ 340V (A)         0.11         0.19         0.30         0.39           ant @ 340V (A)         0.10         0.17         0.30         0.39           ant @ 340V (A)         0.10         0.17         0.30         0.39           ant @ 340V (A)         0.08         0.15         0.24         0.30           ant @ 340V (A)         0.10         1.1749         15,525           3000K Lumens         3,566         6,970         10.400         13,743           BUG Rating         B1-U0-G1         B1-U0-G2         B2-U0-G2         B2-U0-G2           4000K/5000K Lumens         3,787         7,400         11,042         14,590           BUG Rating         B1-U0-G1         B1-U0-G2	ant @ 120V (A)         0.30         0.58         0.86         1.16         1.44           ant @ 208V (A)         0.17         0.34         0.49         0.65         0.84           ant @ 208V (A)         0.15         0.30         0.43         0.56         0.74           ant @ 277V (A)         0.14         0.28         0.41         0.52         0.69           ant @ 347V (A)         0.11         0.19         0.30         0.39         0.49           ant @ 480V (A)         0.08         0.15         0.24         0.30         0.38           4000K/5000K Lumens         4.029         7.874         11,749         15,525         19,235           3000K Lumens         3,566         6.970         10,400         13,743         17,027           BUG Rating         B1-U0-G1         B1-U0-G2         B2-U0-G2         B2-U0-G2         B2-U0-G3           4000K/5000K Lumens         3,787         7,400         11,042         14,580         18,077           BUG Rating         B1-U0-G1         B1-U0-G2         B2-U0-G2         B2-U0-G3         83-063           4000K/5000K Lumens         3,666         7,105         10,601         14,007         17,354           BUG Rating	ent @ 120V (A)         0.30         0.58         0.86         1.16         1.44         1.73           ant @ 208V (A)         0.17         0.34         0.49         0.65         0.84         0.99           ant @ 208V (A)         0.15         0.30         0.43         0.56         0.74         0.87           ant @ 277V (A)         0.14         0.28         0.41         0.52         0.69         0.81           ant @ 277V (A)         0.11         0.19         0.30         0.39         0.49         0.60           ant @ 377V (A)         0.11         0.19         0.30         0.39         0.49         0.60           ant @ 480V (A)         0.08         0.15         0.24         0.30         0.39         0.49         0.60           ant @ 480V (A)         0.08         0.15         0.24         0.30         0.39         0.49         0.60           ant @ 480V (A)         0.08         0.15         0.24         0.30         0.39         0.49         0.60           ant @ 480V (A)         0.08         0.15         0.24         0.30         0.39         0.49         0.60           ant @ 600K/5000K Lumens         3,566         6,970         10,400	nt @ 120v (A)         0.30         0.58         0.86         1.16         1.44         1.73         2.03           ant @ 208V (A)         0.17         0.34         0.49         0.65         0.84         0.99         1.14           ant @ 208V (A)         0.15         0.30         0.43         0.56         0.74         0.87         1.00           ant @ 240V (A)         0.14         0.28         0.41         0.52         0.69         0.81         0.93           ant @ 347V (A)         0.11         0.19         0.30         0.39         0.49         0.60         0.69           ant @ 480V (A)         0.08         0.15         0.24         0.30         0.38         0.49         0.60         0.69           ant @ 480V (A)         0.08         0.15         0.24         0.30         0.38         0.49         0.60         0.69           ant @ 480V (A)         0.08         0.11         0.14         0.30         0.38         0.43         0.400         3.743         17.027         20.376         24.997           BUG Rating         B1-U0-G1         B1-U-G2         B2-U0-G2         B2-U0-G3         B3-U0-G3         B3-U0-G3         B3-U0-G3         B3-U0-G3         B3-U0-G3<	ant e         10.30         0.58         0.86         1.16         1.44         1.73         2.03         2.33           ant e         209V (A)         0.17         0.34         0.49         0.65         0.84         0.99         1.14         1.30           ant e         209V (A)         0.15         0.30         0.43         0.66         0.74         0.87         1.00         1.13           ant e         27V (A)         0.11         0.19         0.30         0.39         0.49         0.60         0.60         0.77           ant e         347V (A)         0.11         0.19         0.30         0.39         0.48         0.65         0.67         0.53         0.55           ant e         3400         0.86         0.15         0.24         0.30         0.38         0.48         0.53         0.53           a000K/5000K Lumens         4.029         7.874         11.749         15.525         19.235         23.019         24.097         27.333           BUG Rating         B1-U0-G1         B1-U0-G2         B2-U0-G2         B2-U0-G2         B3-U0-G3         B3-U0-G4         B3-U0-G4         B3-U0-G4         B3-U0-G4         B3-U0-G4         B3-U0-G4         B3-U0-G4	nn é 220V (A)         0.30         0.58         0.86         1.16         1.44         1.73         2.03         2.53         2.59           nn é 220V (A)         0.77         0.34         0.49         0.65         0.84         0.99         1.14         1.30         1.48           nn é 220V (A)         0.15         0.30         0.49         0.65         0.74         0.87         1.00         1.13         1.30         1.44           nn é 227V (A)         0.14         0.28         0.41         0.52         0.69         0.60         0.69         0.77         0.90           nn é 237V (A)         0.40         0.11         0.19         0.30         0.39         0.49         0.60         0.69         0.77         0.90           nn é 400// S000K Lumens         4.029         7.874         11.749         15.52         19.235         20.918         27.222         9.0844         34.064           3000K Lumens         3.566         6.970         10.040         13.743         17.027         20.376         24.097         27.323         30.464         83-U0-64         83-U0-64         83-U0-64         83-U0-64         83-U0-64         83-U0-64         83-U0-64         83-U0-64         83-U0-64



#### CONTROL OPTIONS

#### 0-10V (DIM)

This fixture is offered standard with 0-10V dimming driver(s). The DIM option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

#### Photocontrol (P, R and PER7)

Optional button-type photocontrol (P) and photocontrol receptacles (R and PER7) provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PER7 receptacle.

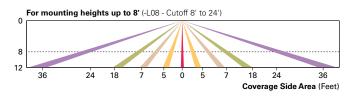
#### After Hours Dim (AHD)

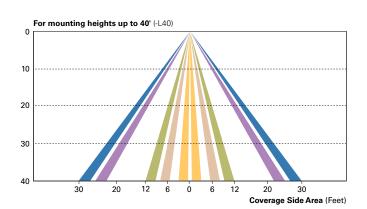
This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a "dusk-to-dawn" period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

#### Dimming Occupancy Sensor (MS/DIM-LXX, MS/X-LXX and MS-LXX)

These sensors are factory installed in the luminaire housing. When the MS/DIM-LXX sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes. The MS-LXX sensor is factory preset to turn the luminaire off after five minutes of no activity. The MS/X-LXX is also preset for five minutes and only controls the specified number of light engines to maintain steady output from the remaining light engines.

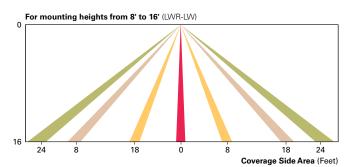
These occupancy sensors includes an integral photocell that can be activated with the FSIR-100 accessory for "dusk-to-dawn" control or daylight harvesting - the factory preset is OFF. The FSIR-100 is a wireless tool utilized for changing the dimming level, time delay, sensitivity and other parameters. A variety of sensor lens are available to optimize the coverage. pattern for mounting heights from 8'-40'.



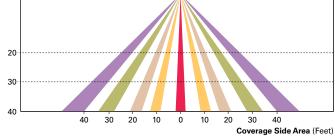




The Eaton's LumaWatt Pro powered by Enlighted is a connected lighting solution that combines a broad selection of energy-efficient LED luminaires with a powerful integrated wireless sensor system. The sensor controls the lighting system in compliance with the latest energy codes and collects valuable data about building performance and use. Software applications turn the granular data into information through energy dashboards and specialized apps that make it simple and help optimize the use of building resources, beyond lighting.



# For mounting heights from 16' to 40' (LWR-LN) 0



#### WaveLinx Wireless Outdoor Lighting Control Module (WOLC-7P-10A)

The 7-pin wireless outdoor lighting control module enables WaveLinx to control outdoor area, site and flood lighting. WaveLinx controls outdoor lighting using schedules to provide ON, OFF and dimming controls based on astronomic or time schedules based on a 7 day week.

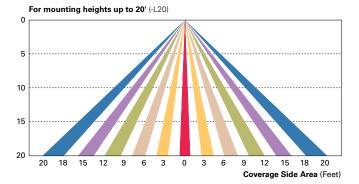
#### LumenSafe Integrated Network Security Camera (LD)

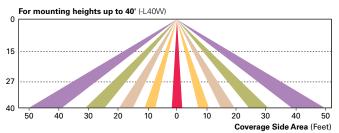
Eaton brings ease of camera deployment to a whole new level. No additional wiring is needed beyond providing line power to the luminaire. A variety of networking options allows security integrators to design the optimal solution for active surveillance. As the ideal solution to meet the needs for active surveillance, the LumenSafe integrated network camera is a streamlined, outdoor-ready fixed dome that provides HDTV 1080p video. This IP camera is optimally designed for deployment in the video management system or security software platform of choice.



#### Eaton 1121 Highway 74 South Peachtree City, GA 30269 P: 770-486-4800 www.eaton.com/lighting

Specifications and dimensions subject to change without notice.





Sample Number: GLEON-AF-04-LED-E1-T3-GM-QM

Product Family <sup>1, 2</sup>	Light Engine	Number of Light Squares <sup>3</sup>	Lamp Type	Voltage	Distribution		Color	Mounting
GLEON=Galleon	AF=1A Drive Current	01=1 02=2 03=3 04=4 05=5 <sup>4</sup> 06=6 07=7 <sup>5</sup> 08=8 <sup>5</sup> 09=9 <sup>6</sup> 10=10 <sup>6</sup>	LED=Solid State Light Emitting Diodes	E1=120-277V 347=347V <sup>7</sup> 480=480V <sup>7.8</sup>	T2=Type II T2R=Type II Roady T3R=Type III Roady T3R=Type III Roady T4FT=Type IV Wide 5NQ=Type V Narro 5MQ=Type V Squa 5WQ=Type V Squa 5WQ=Type V Squa 5U2=Type II w/Spi SL3=Type II w/Spi SL4=Type IV w/Spi SLR=90° Spill Ligh <b>RW=RectangularV</b> AFL=Automotive F	way vard Throw e mre Medium are Wide II Control iII Control iII Control iII Control iII Control t Eliminator Left tt Eliminator Right <b>Vide Type I</b>	AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White	[Blank]=Arm for Round or Square Pole EA=Extended Arm <sup>9</sup> MA=Mast Arm Adapter <sup>10</sup> WM=Wall Mount QM=Quick Mount Arm (Standard Length) <sup>11</sup> QMEA=Quick Mount Arm (Extended Length) <sup>12</sup>
Options (Add as S	uffix)					Accessories (Order	Separately)	
PER7=NEMÄ 7-PIN R=NEMA Twistlocl AHD145=After Hou AHD245=After Hou AHD255=After Hou AHD255=After Hou AHD355=After Hou AHD355=After Hou AHD355=After Hou MS/DIM-L08=Motion MS/DIM-L40=Motion MS/DIM-L40=Motion Si MS/X-L40=Bi-Leve MS/X-L40=Bi-Leve MS/X-L40=Bi-Leve MS/X-L40=Bi-Leve MS/X-L40=Bi-Leve MS/X-L40=Bi-Leve MS-L40=Motion Si MS-L40=Motion Si MS-L40=	(14 (13 (13) Factory Set to N. Factory Set to N. Factory Set to N. (14) (15) (14) (14) (14) (14) (14) (14) (14) (14	ominal 800mA Jominal 800mA Jominal 1200m Just Specify Vol Must Specify Vol Must Specify Vol 2008, 240 or 277 control Recept aceptacle <sup>21</sup> 22 22 22 22 22 22 22 22 22 22 22 22 22	<ul> <li><sup>15</sup> tag <sup>15, 16</sup> tage) oltage)</li> <li>V. Must Specify Vola acle <sup>21</sup></li> <li><sup>10</sup> <sup>10</sup>, 9' - 20' Mountin tation, 21' - 40' Mountin ation, 21' - 40' Mountin tation, 21' - 40' Mounting Height <sup>24, 26, 29</sup> unting Height <sup>24, 27, 29</sup> unting Height <sup>24, 27, 29</sup> Unting Height <sup>24, 27, 29</sup> Unting Height <sup>24, 27, 29</sup> Unting Height <sup>24, 26, 29</sup> <sup>10</sup> Mounting Height <sup>21</sup> - 40' Mounting Height <sup>21</sup> -</li></ul>	OA/RA1027=NEMA OA/RA1013=Photo OA/RA1013=Photo OA/RA1013=Photo OA/RA1014=120V J MA1036-XX=Single MA1037-XX=2@18 MA1197-XX=3@12 MA1189-XX=2@20 MA1190-XX=3@90 MA1190-XX=3@90 MA1192-XX=2@18 MA1039-XX=2@18 MA1039-XX=2@90 MA1192-XX=3@90 MA1192-XX=3@90 MA1192-XX=3@90 MA1192-XX=3@90 MA1192-XX=3@90 MA1192-XX=3@90 MA1192-XX=3@90 MA1192-XX=3@90 MA1192-XX=3@90 MA1192-XX=3@90 MA1192-XX=3@90 MA1192-XX=3@90 MA1192-XX=3@90 MA1192-XX=3@90 MA1192-XX=3@90 MA1192-XX=3@90 MA1192-XX=3@90 MA1192-XX=3@90 MA1192-XX=3@90 MA1192-XX=4 GLEON-MT1=Field GLEON-MT3=Field GLEON-MT4=Field GLEON-MT4=Field Inst	ge Module Replacement a Tenon Adapter for 2-3/8 or Tenon Adapter for 2-3/8 Tenon Adapter for 3-1/2 Tenon Adapter for	<ul> <li>" O.D. Tenon</li> <li>8" O.D. Tenon</li> <li>8" O.D. Tenon</li> <li>" O.D. Tenon</li> <li>" O.D. Tenon</li> <li>" O.D. Tenon</li> <li>8" O.D. Tenon</li> <li>2" O.D. Tenon</li> <li>2" O.D. Tenon</li> <li>2" O.D. Tenon</li> <li>" O.D.</li></ul>		

NOTES

NOTES: 1 Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information. 2 DesignLights Consortium<sup>®</sup> Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details. 3 Standard 4000K CCT and minimum 70 CRI. 4 Not compatible with MS/4-LXX or MS/1-LXX sensors. 5 Not compatible with extended quick mount arm (QMEA). 6 Not compatible with standard quick mount arm (QMI) or extended quick mount arm (QMEA). 7 Requires the use of an internal step down transformer when combined with sensor options. Not available with sensor at 1200mA. Not available in combination with the HA high ambient and sensor options at 1A. 8 Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems). 9 May be required when two or more luminaires are oriented on a 90° or 120° drilling pattern. Refer to arm mounting requirement table. 10 Factory installed. 11 Maximum 8 light squares. 12 Maximum 6 light squares. 13 Extended lead times apply. Use dedicated IES files for 3000K, 5000K and 6000K when performing layouts. These files are published on the Galleon luminaire product page on the website. 15 I Amp standard. Use dedicated IES files for 600mA, 800mA and 1200mA when performing layouts. These files are published on the Galleon luminaire product page on the website. 18 Not available with MS, MS/X or MS/ 10 M at 347V or 480V. 21 n AF-20 transformation. 22 Not available with Maximum 8 light squares. 21 Not available if any "MS" sensor is selected. Motion sensor has an integral photocell. 22 Requires the use of P hotocontrol or the PER7 or R photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental 20' mounting height. 27 Approximately 60' detection diameter at 40'

#### LumenSafe Integrated Network Security Camera Technology Options (Add as Suffix)

Product Family	Camera Type	Data Backhaul	
L=LumenSafe Technology*	<b>D</b> =Dome Camera	C=Cellular, Customer Installed SIM Card A=Cellular, Factory Installed AT&T SIM Card V=Cellular, Factory Installed Verizon SIM Card S=Cellular, Factory Installed Sprint SIM Card	R=Cellular, Factory Installed Rogers SIM Card W=Wi-Fi Networking w/ Omni-Directional Antenna E=Ethernet Networking

\*Consult LumenSafe system pages for additional details and compatibility. Not available with 9-10 light square housing. Not available with 347V, 480V or high ambient options



#### Eaton 1121 Highway 74 South Peachtree City, GA 30269 P: 770-486-4800 www.eaton.com/lighting

Specifications and dimensions subject to change without notice.

#### DESCRIPTION

The Galleon<sup>™</sup> Wall LED luminaire's appearance is complementary with the Galleon area and site luminaire bringing a modern architectural style to lighting applications. Flexible mounting options accommodate wall surfaces in both an upward and downward configuration. The Galleon family of LED products deliver exceptional performance with patented, high-efficiency AccuLED Optics™, providing uniform and energy conscious lighting for parking lots, building and security lighting applications.

#### SPECIFICATION FEATURES

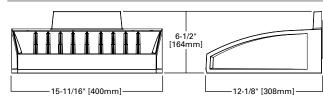
#### Construction

Driver enclosure thermally isolated from optics for optimal thermal performance. Heavy wall aluminum housing die-cast with integral external heat sinks to provide superior structural rigidity and an IP66 rated housing. Overall construction passes a 1.5G vibration test to ensure mechanical integrity. UPLIGHTING: Specify with the UPL option for inverted mount uplight housing with additional protections to maintain IP rating.

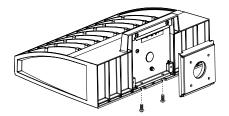
#### Optics

Choice of thirteen patented, highefficiency AccuLED Optics. The optics are precisely designed to shape the distribution maximizing efficiency and application spacing. AccuLED Optics create consistent distributions with the scalability to meet customized application requirements. Offered standard in 4000K (+/- 275K) CCT and minimum 70 CRI. Optional 3000K, 5000K and 6000K CCT. Greater than 90%

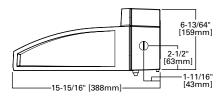
#### DIMENSIONS



#### HOOK-N-LOCK MOUNTING



#### BATTERY BACKUP AND THRU-BRANCH BACK BOX





lumen maintenance expected at 60,000 hours. Available in standard 1A drive current and optional 1200mA, 800mA, and 600mA drive currents.

#### Electrical

LED drivers are mounted for ease of maintenance. 120-277V 50/60Hz, 347V or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Drivers are provided standard with 0-10V dimming. An optional Eaton proprietary surge protection module is available and designed to withstand 10kV of transient line surge. The Galleon Wall LED luminaire is suitable for operation in -40°C to 40°C ambient environments. For applications with ambient temperatures exceeding 40°C, specify the HA (High Ambient) option. Emergency egress options for -20°C ambient environments and occupancy sensor available.

## **McGraw-Edison**

Catalog #	GWC-AF-01-LED-SL4-800	Туре
Project		WP1
Comments		Date
Prepared by		

#### Mounting

Gasketed and zinc plated rigid steel mounting attachment fits directly to 4" j-box or wall with the Galleon Wall "Hook-N-Lock" mechanism for guick installation. Secured with two captive corrosion resistant black oxide coated allen head set screws which are concealed but accessible from bottom of fixture.

#### Finish

Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available. Consult the McGraw-Edison Architectural Colors brochure for the complete selection.

Warranty

Five-year warranty.

#### CERTIFICATION DATA UL/cUL Listed

LM79 / LM80 Compliant IP66 Housing ISO 9001 DesignLights Consortium® Qualified\*

**GWC** GALLEON

WALL

1-2 Light Squares

WALL MOUNT LUMINAIRE

Solid State LED

#### ENERGY DATA

Electronic LED Driver >0.9 Power Factor <20% Total Harmonic Distortion 120-277V/50 & 60Hz, 347V/60Hz, 480V/60Hz -30°C Minimum Temperature 40°C Ambient Temperature Rating

SHIPPING DATA Approximate Net Weight: 27 lbs. (12.2 kgs.)



\*www.desianlights.org

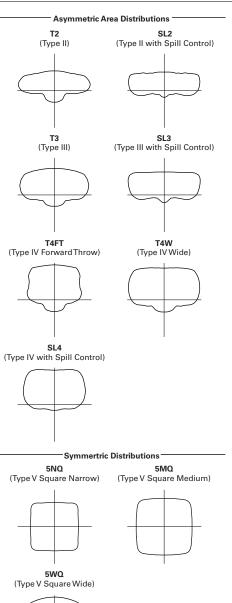
Number of	Light Squares			1			:	2	
Drive Curre	ent	600mA	800mA	1.0A	1.2A	600mA	800mA	1.0A	1.2A
Nominal P	ower (Watts)	34	44	59	67	66	85	113	129
Input Curre	ent @ 120V (A)	0.30	0.39	0.51	0.58	0.58	0.77	1.02	1.16
Input Curre	ent @ 208V (A)	0.17	0.22	0.29	0.33	0.34	0.44	0.56	0.63
Input Curre	ent @ 240V (A)	0.15	0.19	0.26	0.29	0.30	0.38	0.48	0.55
Input Curre	ent @ 277V (A)	0.14	0.17	0.23	0.25	0.28	0.36	0.42	0.48
Input Curre	ent @ 347V (mA)	0.11	0.15	0.17	0.20	0.19	0.24	0.32	0.39
Input Curre	ent @ 480V (mA)	0.08	0.11	0.14	0.15	0.15	0.18	0.24	0.30
Optics									
	4000K/5000K Lumens	4,110	5,040	6,238	6,843	8,031	9,849	12,190	13,373
T2	3000K Lumens	3,638	4,461	5,522	6,057	7,109	8,718	10,791	11,838
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2
	4000K/5000K Lumens	4,189	5,138	6,359	6,975	8,187	10,039	12,425	13,630
Т3	3000K Lumens	3,708	4,548	5,629	6,174	7,247	8,887	10,999	12,065
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2
	4000K/5000K Lumens	4,214	5,167	6,395	7,016	8,233	10,097	12,497	13,709
T4FT	3000K Lumens	3,730	4,574	5,661	6,211	7,288	8,938	11,062	12,135
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3
	4000K/5000K Lumens	4,159	5,100	6,313	6,925	8,127	9,966	12,336	13,532
T4W	3000K Lumens	3,682	4,515	5,588	6,130	7,194	8,822	10,920	11,979
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3
	4000K/5000K Lumens	4,102	5,032	6,227	6,831	8,018	9,832	12,170	13,350
SL2	3000K Lumens	3,631	4,454	5,512	6,047	7,098	8,703	10,773	11,817
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3
	4000K/5000K Lumens	4,188	5,137	6,358	6,974	8,186	10,038	12,424	13,628
SL3	3000K Lumens	3,707	4,547	5,628	6,173	7,246	8,886	10,998	12,064
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3
	4000K/5000K Lumens	3,980	4,880	6,040	6,626	7,776	9,537	11,803	12,949
SL4	3000K Lumens	3,523	4,320	5,347	5,865	6,883	8,442	10,448	11,462
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G3
	4000K/5000K Lumens	4,321	5,298	6,558	7,193	8,443	10,353	12,814	14,057
5NQ	3000K Lumens	3,825	4,690	5,805	6,367	7,474	9,164	11,343	12,443
	BUG Rating	B2-U0-G1	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2
	4000K/5000K Lumens	4,400	5,396	6,678	7,326	8,598	10,544	13,050	14,315
5MQ	3000K Lumens	3,895	4,777	5,911	6,485	7,611	9,334	11,552	12,672
	BUG Rating	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2
	4000K/5000K Lumens	4,412	5,410	6,695	7,345	8,621	10,572	13,085	14,354
5WQ	3000K Lumens	3,906	4,789	5,926	6,502	7,631	9,358	11,583	12,706
	BUG Rating	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2
	4000K/5000K Lumens	3,681	4,515	5,588	6,129	7,193	8,821	10,917	11,976
SLL/SLR	3000K Lumens	3,258	3,997	4,946	5,425	6,367	7,808	9,664	10,601
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G3
	4000K/5000K Lumens	4,281	5,250	6,498	7,129	8,366	10,259	12,698	13,930
RW	3000K Lumens	3,790	4,647	5,752	6,311	7,406	9,081	11,240	12,331
	BUG Rating	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2

#### POWER AND LUMENS

page 2

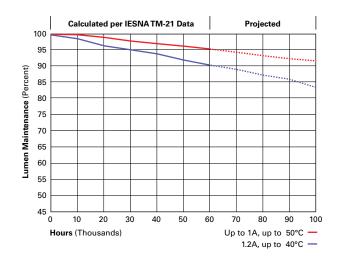
\* Nominal lumen data for 70 CRI. BUG rating for 4000K/5000K. Refer to IES files for 3000K BUG ratings.





#### LUMEN MAINTENANCE

Drive Current	Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Projected L70 (Hours)	
Up to 1A	Up to 50°C	> 95%	> 416,000	
1.2A	Up to 40°C	> 90%	> 205,000	



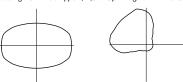
#### LUMEN MULTIPLIER

Lumen Multiplier
1.02
1.01
1.00
0.99
0.97



- Specialized Distributions

RW SLL (Rectangular Wide Type I) (90° Spill Light Eliminator Left)



**SLR** (90° Spill Light Eliminator Right)





#### CONTROL OPTIONS

#### 0-10V

This fixture is offered standard with 0-10V dimming driver(s). The DIM option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

#### Photocontrol (P, R and PER7)

Optional button-type photocontrol (P) and photocontrol receptacles (R and PER7) provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PER7 receptacle.

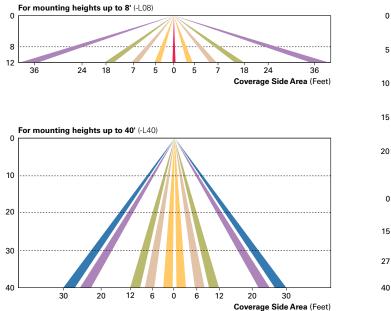
#### After Hours Dim (AHD)

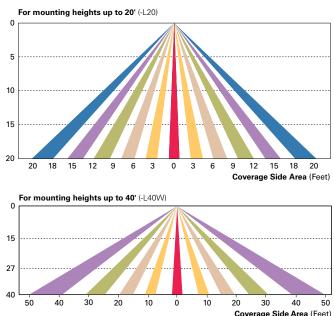
This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a "dusk-to-dawn" period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

#### Dimming Occupancy Sensor (MS/DIM-LXX and MS-LXX)

These sensors are factory installed in the luminaire housing. When the MS/DIM-LXX sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes. The MS-LXX sensor is factory preset to turn the luminaire off after five minutes of no activity. The MS/X-LXX is also preset for five minutes and only controls the specified number of light engines to maintain steady output from the remaining light engines.

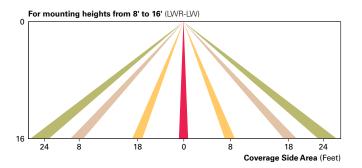
These occupancy sensors includes an integral photocell that can be activated with the FSIR-100 accessory for "dusk-to-dawn" control or daylight harvesting - the factory preset is OFF. The FSIR-100 is a wireless tool utilized for changing the dimming level, time delay, sensitivity and other parameters. A variety of sensor lens are available to optimize the coverage pattern for mounting heights from 8'-40'.

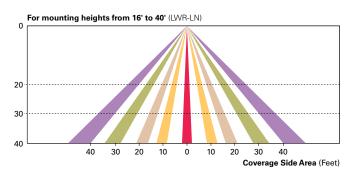




#### LumaWatt Pro Wireless Control and Monitoring System (LWR-LW and LWR-LN)

The Eaton's LumaWatt Pro powered by Enlighted is a connected lighting solution that combines a broad selection of energy-efficient LED luminaires with a powerful integrated wireless sensor system. The sensor controls the lighting system in compliance with the latest energy codes and collects valuable data about building performance and use. Software applications turn the granular data into information through energy dashboards and specialized apps that make it simple and help optimize the use of building resources, beyond lighting.





#### WaveLinx Wireless Outdoor Lighting Control Module (WOLC-7P-10A)

The 7-pin wireless outdoor lighting control module enables WaveLinx to control outdoor area, site and flood lighting. WaveLinx controls outdoor lighting using schedules to provide ON, OFF and dimming controls based on astronomic or time schedules based on a 7 day week.



Eaton 1121 Highway 74 South Peachtree City, GA 30269 P: 770-486-4800 www.eaton.com/lighting

Specifications and dimensions subject to change without notice.

#### ORDERING INFORMATION

Sample Number: GWC-AF-02-LED-E1-T3-GM

Product Family <sup>1</sup>	Light Engine	Number of Light Squares <sup>2</sup>	Lamp Type	Voltage	Distribution	Color	Mounting Options
GWC=Galleon Wall	( <b>AF</b> =1A Drive) Current	01=1) 02=2 <sup>3</sup>	( <b>LED=</b> Solid State) Light Emitting Diodes	(E1=120-277V) 347=347V 4 480=480V 4.5	T2=Type II         T3=Type II         T4FT=Type IV Forward Throw         T4W=Type IV Wide         SL2=Type II w/Spill Control         SL4=Type IV w/Spill Control         SL4=Type V Spill Light Eliminator Left         SLR=90° Spill Light Eliminator Right         RW=Rectangular Wide Type I         SNQ=Type V Square Marrow         SMQ=Type V Square Mide	AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White CC=Custom Color <sup>6</sup>	[BLANK]=Surface Moun
Options (Add as Suffix)					Accessories (Order Separately)		
FF=Double Fused 10K=10kV Surge N DIM=0-10V Dimm DALI=DALI Driver HA=50°C High Am UPL=Uplight Hous BBB=Battery Pack CWB=Cold Weath P=Button Type Ph R=NEMA Twistloor PER7=NEMA 7-PII AHD145=After Ho AHD245=After Ho AHD245=After Ho AHD245=After Ho AHD255=After Ho MS-LXX=Motion 3 MS/DIM-LXX=Mot UWR-LW=LumaWa L90=Optics Rotatt R90=Optics Rotatt	OK 7 OK 7 OK 7 OK 7 t Factory Set to t Factory Set to t Factory Set to 20, 277 or 347V. (208, 240 or 480 Aodule ing Leads 9.10 11 bient 12 sing 13 with Back Box 5 er Battery Pack otocontrol 13 N Twistlock Phot urs Dim, 6 Hour urs Dim, 7 Hour de 90° Left ed 90° Right lled Mesh Top Trim Plate Pain alled House Side	800mA > 1200mA * Must Specify Volt. V. Must Specify Vol. W. Must Specify Vol. 3.8.9.14 with Back Box 3.8.9. 208, 240 or 277V. I Receptacle tocontrol Receptace s 16 s 17 s 18 s 18 s 16 s 16	oltage) <sup>14</sup> Must Specify Voltage) cle <sup>15</sup> <sup>15</sup> <sup>17, 18, 19</sup> 8' - 16' Mounting Heig or 16' - 40' Mounting H		OA/RA1013=Photocontrol Shorting C OA/RA1015=NEMA Photocontrol - NU OA/RA1201=NEMA Photocontrol - 34 OA/RA1027=NEMA Photocontrol - 48 MA1252=10kV Circuit Module Replace MA1059XX=Thru-branch Back Box (M FSIR-100=Wireless Configuration Too LS/HSS=Field Installed House Side S WOLC-7P-10A=WaveLinx Outdoor Cor	ulti-Tap 105-285V 7V ownent ust Specify Color) I for Occupancy Senso hield <sup>23, 25</sup>	yr 17

2 Standard 4000K CCT and minimum 70 CBI

DesignLight Consortium® Qualied. Heter to www.designlights.org Qualited Products List under Family Models for details.
 Standard 4000K CCT and minimum 70 CRI.
 Two light squares with BBB or CWB options limited to 25°C, 120-277V only.
 Requires the use of a step down transformer. Not available in combination with sensor options at 1200mA.
 Coustom colors are available. Setup charges apply. Paint chip samples required. Extended Lead times apply.
 Extended lead times apply. Use dedicated IES files when performing layouts.
 Not available with HA option.
 Coustom colors are available. Setup charges apply. Paint chip samples required. Extended Lead times apply.
 Extended lead times apply. Use dedicated IES files when performing layouts.
 Not available with HA option.
 Coustom colors or available. Setup CNB, or totide fixture.
 Only oftage control lead brought out 18° outside fixture.
 Only available with 120, UPL, BBB and CWB options. Available for single light square only. Limited to 1A and below.
 Not available with 120, UPL, BBB and CWB, options. Available for single light square only.
 Not available with 120, UPL, BBB and CWB, Nor PERT options.
 Operates a single light square only. Cold weather option operates -20°C to +40°C, standard 0°C to +40°C. Backbox is non-IP rated.
 Compatible with tstandard 3-PIN photocontrols, 5-PIN or 7-PIN ANSI controls.
 Replace the available mounting height options including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Eaton for more information.
 The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Eaton for more information.
 Includes integral photosensor.

Includes integral photosensor.
 Includes integral photosensor.
 Includes integral photosensor.
 Includes integral photosensor.
 Includes integral photosensor.
 Includes integral photosensor.
 Includes integral photosensor.
 Includes integral photosensor.
 Includes integral photosensor.
 Includes integral photosensor.
 Includes integral photosensor.
 Includes integral photosensor.
 Includes integral photosensor.
 Includes integral photosensor.

Not available with hSS option.
 Only for use with SL2, SL3 and SL4 distributions. The light square trim plate is painted black when the HSS option is selected.
 CE is not available with the 1200, DALI, LWR, MS, MS/DIM, P, R or PER7 options. Available in 120-277V only.
 One required for each light square.

26. Requires 7-pin NEMA twistlock photocontrol receptacle.



Specifications and dimensions subject to change without notice.