



**VII.B.**

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## Planning Commission Staff Report

**Project Type:** Site Development Section Plan

**Meeting Date:** January 28, 2019

**From:** Mike Knight, Planner *JK*

**Location:** A 22 acre tract of land located northeast of the intersection of Wild Horse Creek Road and Old Chesterfield Road.

**Description:** **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.

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### **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

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 visual representation to 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	A	Dierbergs	Urban Core	C8 - Planned Commercial
	B	RGA	Urban Core	C8 - Planned Commercial
East	C	Undeveloped	Urban Core	PC - Planned Commercial
South	D	Library	Urban Core	C8 - Planned Commercial
	E	YMCA	Urban Core / Multi-Family	PC - Planned Commercial
West	F	Reserve at Chesterfield	Multi-Family	R5 - Residence District
	G	Undeveloped	Urban Core/ Multi-Family	C8 - Planned Commercial
	H	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, high-density 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.

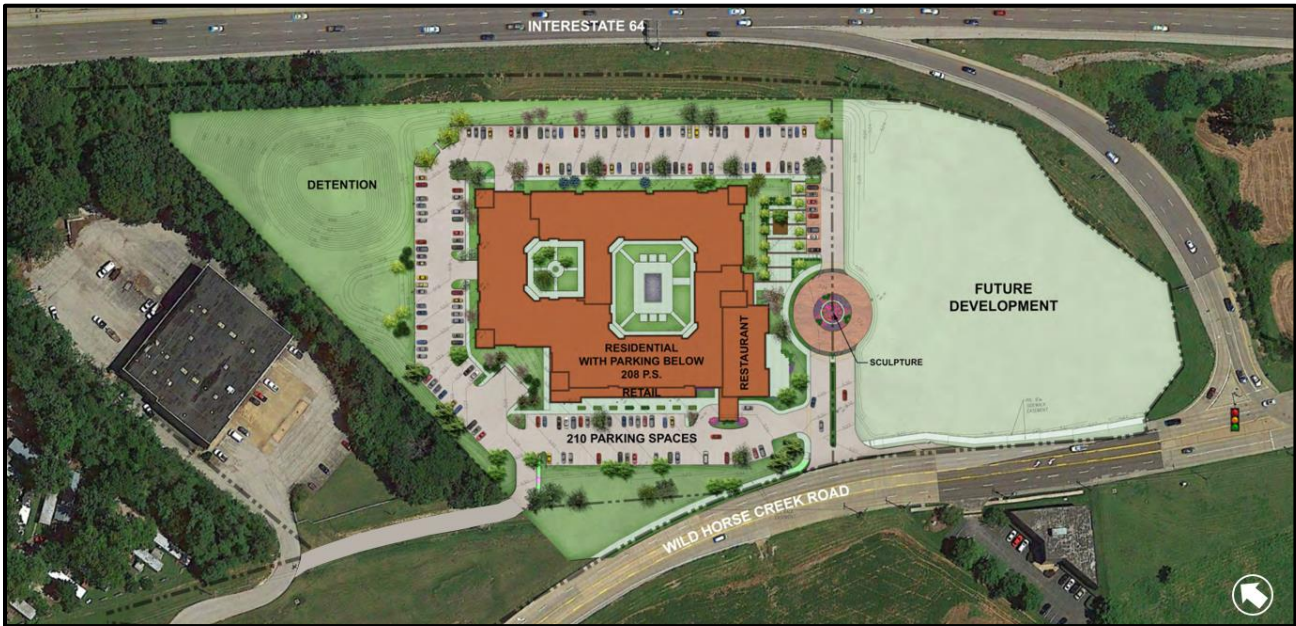


Figure 3: Color Site Plan

**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 areas, etc.	A plaza area is shown northwest of the roundabout.
Incorporate scenic views, fountains, public art, etc.	Public art is depicted within the roundabout.

Table 2: Desirable Practices

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.

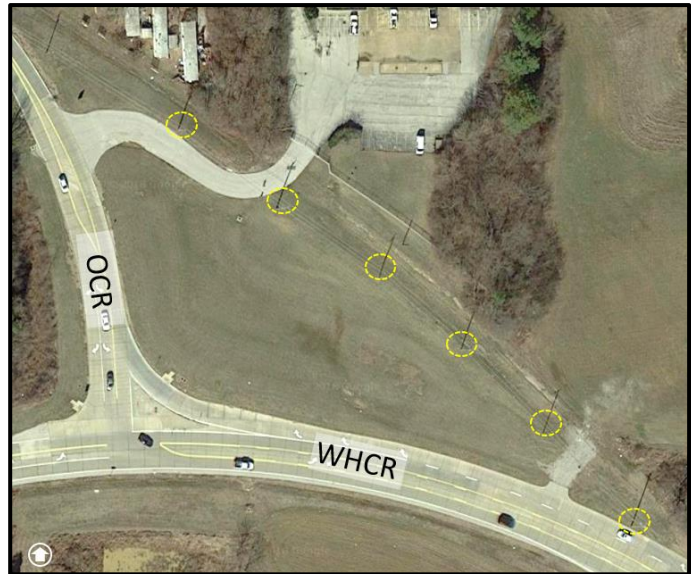


Figure 4: Utility Poles to Remain

### B. Circulation System and Access

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



Figure 4: Color Elevations



Figure 5: Rendering

### **E. Multi-Family Architecture**

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

Provide an on-site pedestrian system with access to common ground areas – 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.

Express architecturally the individual dwelling units within the building – 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.

Utilize color, material, and plane changes to articulate facades. Avoid monotonous or institutional designs – 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.

Respect the scale, proportion and character of the adjacent or predominant neighborhood – 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.

Provide functional recreation areas – 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.



Provide outdoor space for each dwelling – 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.

Primary Building material - 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.

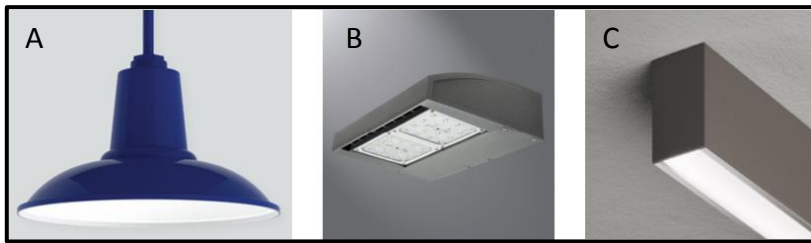


Figure 6: Building Lighting

Figure 7 depicts 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.

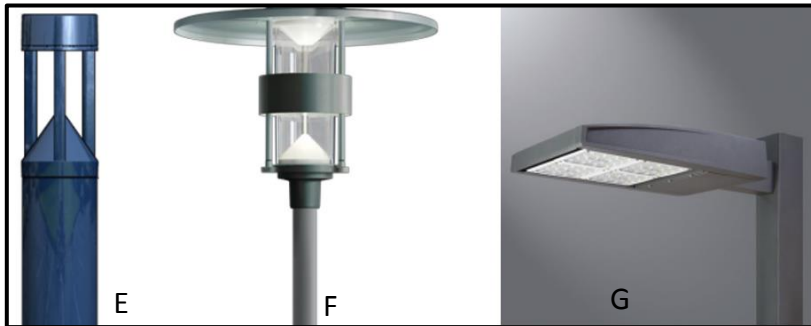


Figure 7: Site Lighting

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 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

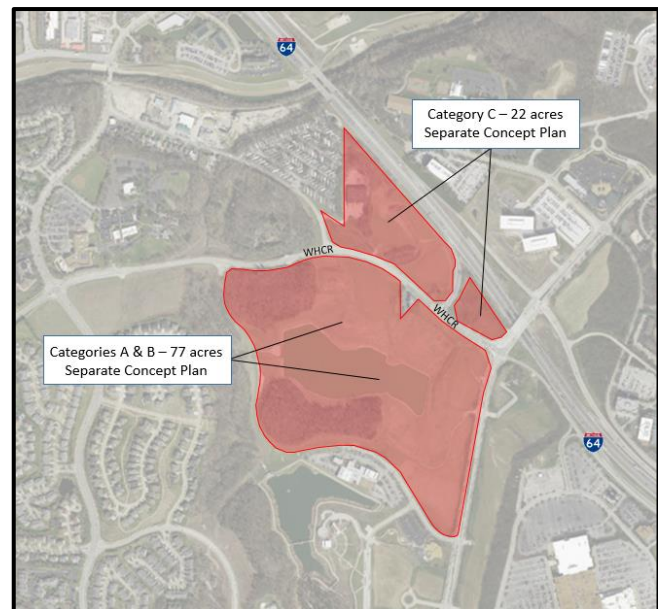


Figure 8: Category Location

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

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**

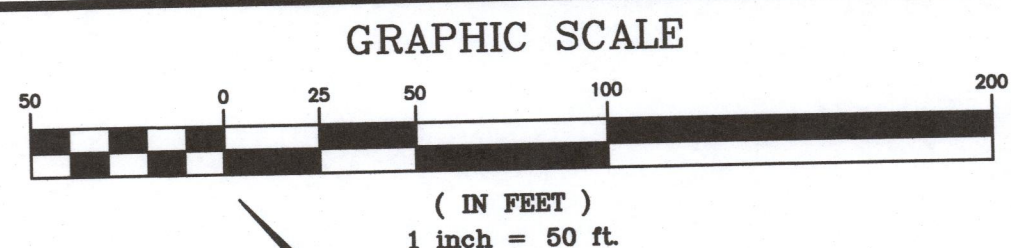
The following options are provided to the Planning Commission for consideration relative to this application:

- 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.”
  
- 2) “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

**SHEET INDEX**

- SDSP-1 - SITE DEVELOPMENT SECTION PLAN
- SDSP-2 - PHOTOGRAPHIC PLAN
- SDSP-3 - SITE SECTIONS & DETAILS
- SDSP-4 - ST. LOUIS COUNTY SIGHT DISTANCE STUDY
- SDSP-5 - GRADATION #3023
- L-1 - MASTER PLANTING PLAN
- L-2 - MITIGATION PLANTING PLAN
- L-3 - MASTER PLANTING PLAN
- TRD-1 - TREE STAND DELINEATION
- TRP-1 - TREE PRESERVATION PLAN
- PSP-1 - ARCHITECTURAL ELEVATIONS



# SITE DEVELOPMENT SECTION PLAN

PART OF U.S. SURVEYS 123 AND 2031 TOWNSHIP 45 NORTH, RANGE 4 EAST  
 CITY OF CHESTERFIELD, ST. LOUIS COUNTY, MISSOURI  
 ZONED: PLANNED COMMERCIAL + RESIDENCE DISTRICT "PC+R" PER ORD. NO #3023

**OPEN SPACE**  
 LOT A PROVIDED: 44,48x (141,571 S.F./318,261 S.F.)

**PARKING**  
 LOT A REQUIRED: PLEASE SEE UNIFIED DEVELOPMENT CODE SEC. 31-04-04

RETAIL CENTER:  
 TOTAL = 27,050 S.F.  
 RESTAURANT = 14,500 S.F.  
 RETAIL = 12,500 S.F.

30% OF SITE = 8,115 S.F.  
 RETAIL + 30% = 20,615 S.F. @ 4.5 SPACES/1000 S.F. = 93 SPACES

RESTAURANT ABOVE 30% = 6,435 S.F. @ 12 SPACES/1000 S.F. = 77 SPACES

RESIDENTIAL:  
 APARTMENTS = 173 UNITS @ 1.75 SPACES/UNIT = 303 SPACES

TOTAL REQUIRED = 473 SPACES. (473)(0.90) = 425 SPACES

PARKING PROVIDED = 425 SPACES (217 SURFACE & 208 WITHIN GARAGE)

**BUILDING HEIGHT REGULATIONS:**  
 FIRST STORY HEIGHT ALL CATEGORIES = 12-25 FEET  
 UPPER STORY HEIGHT ALL CATEGORIES = 8-18 FEET

**NOTE:**  
 1. PROJECT SHALL COORDINATE WITH COUNTY PROJECT AR-1756  
 2. MECHANICAL UNITS WILL BE PLACED ON THE ROOF AND SCREENS BY THE CONTRACTOR.

**HOURS OF OPERATION:**  
 7:00 AM TO 1:00 AM FOR RESTAURANT  
 7:00 AM TO 12:00 PM FOR DELIVERIES AND SERVICE

**ST. LOUIS COUNTY BENCHMARK**

BENCHMARK #1227 NG029 Elev = 460.38  
 Cut "1" on the southwest corner of the 32' traffic signal pole lot and flush in the top of a concrete median island northeast of the right turn lane from eastbound Wild Horse Creek Road onto the southbound side of pavement slab for a future extension of Burkhart Place as shown on the plan of Wild Horse Creek Road Redesign Plan (Plan Book 354, Page 20) 52 feet south of the center of Wild Horse Creek Road, 27 feet west of the center of the pavement slab for future Burkhart Place, and 0.3 miles more or less east of Barker Road.

**GEOTECHNICAL ENGINEER'S NOTE**

Neither Midwest Testing, nor the undersigned has prepared any part of these plans. The signature and seal are intended to confirm our review and professional opinion that these plans and revisions, through the date given below, comply with the Revised Geotechnical Exploration dated November 28, 2018 for the project, and are compatible with the soil and geologic conditions at the site, as anticipated from the exploration data.

Conditions may vary from those encountered during the exploration or can change due to construction activities, weather, or other site conditions. Therefore, Midwest Testing must be involved during the construction of this project to observe the actual subsurface conditions and implementation of our recommendations relative to construction. Construction means and methods shall be left to the Contractor's discretion.

MIDWEST TESTING  
 Michael L. Hackmeister, P.E.

Date: 12/16/18



**PERMIT DATA**

LOT A  
 OWNER: CHESTERFIELD VILLAGE INC  
 OWNER UNDER CONTRACT: BRINKMANN HOLDINGS LLC  
 LOT AREA: 7,306 Acres ±  
 EXISTING ZONING: "PC&R" PLANNED COMMERCIAL & RESIDENCE (ORD. #3023)  
 SITE ADDRESS: 16461, 16491, 16493, 16495, 16503, 16511 WILD HORSE CREEK CHESTERFIELD, MISSOURI 63005  
 LOCATOR NO: 185430248, 181640095, 181640204, 181640215, 181640303, 181640314, 181640325  
 WUNNERBERG'S: PG. 21, GRID 18FF & 19EE  
 MONARCH FIRE PROTECTION DISTRICT  
 SCHOOL DISTRICT: METROPOLITAN ST. LOUIS SEWER DIST.  
 SEWER DISTRICT: MISSOURI RIVER  
 WATER SHED: AMEREN UE  
 FEMTA MAP: FEB 4, 2015  
 ELECTRIC COMPANY: SPIRE INC  
 GAS COMPANY: AT&T  
 WATER COMPANY: MISSOURI AMERICAN WATER COMPANY

**GENERAL 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% SLOPE.
- 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. SINKHOLES ARE NOT ADEQUATE DISCHARGE POINTS.
- ALL UTILITIES WILL BE INSTALLED UNDERGROUND.
- 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.

**ST. LOUIS COUNTY STANDARD NOTES**

- ALL PROPOSED IMPROVEMENTS SHALL BE CONSTRUCTED TO ST. LOUIS COUNTY STANDARDS.
- NO SLOPES WITHIN ST. LOUIS COUNTY RIGHT-OF-WAY SHALL EXCEED 3 (HORIZONTAL) TO 1 (VERTICAL).
- STORM WATER SHALL BE DISCHARGED AT AN ADEQUATE NATURAL DISCHARGE POINT. SINKHOLES ARE NOT ADEQUATE DISCHARGE POINTS.
- ALL PROPOSED ACCESS TO ST. LOUIS COUNTY ROADS SHALL MEET MINIMUM ST. LOUIS COUNTY SIGHT DISTANCE REQUIREMENTS.
- ALL SIDEWALKS AND ASSOCIATED ACCESSIBILITY IMPROVEMENTS WITHIN RIGHT-OF-WAY SHALL BE CONSTRUCTED TO ST. LOUIS COUNTY ADA STANDARDS.
- A SIGNED/SEALED NOTE SHALL BE ADDED TO THE CONSTRUCTION PLANS INDICATING THAT THE UNIMPROVED EXISTING SIDEWALK/PEDESTRIAN PATH ALONG THE PROJECT FRONTAGE MEETS CURRENT ST. LOUIS COUNTY ADA STANDARDS.
- ALL GRADING AND DRAINAGE SHALL BE IN CONFORMANCE WITH ST. LOUIS COUNTY AND MSD STANDARDS.
- ALL HYDRANTS, POWER POLES OR OTHER POTENTIAL OBSTRUCTIONS WITHIN THE ST. LOUIS COUNTY ROAD RIGHT-OF-WAY SHALL HAVE A MINIMUM TWO (2) FOOT SETBACK FROM FACE OF CURB OR EDGE OF PAVEMENT, AS DIRECTED BY THE ST. LOUIS COUNTY DEPARTMENT OF HIGHWAYS AND TRAFFIC.
- ANY ENTITY THAT PERFORMS WORK ON ST. LOUIS COUNTY MAINTAINED PROPERTY SHALL PROVIDE THE COUNTY WITH THE CERTIFICATE OF INSURANCE EVIDENCING GENERAL LIABILITY COVERAGE (BODILY INJURY AND PROPERTY DAMAGE) IN THE AMOUNTS SPECIFIED AS THE LIMITS OF LIABILITY SET BY THE STATE FOR PUBLIC ENTITIES. SUCH CERTIFICATE SHALL INCLUDE ST. LOUIS COUNTY AS AN ADDITIONAL INSURED AND SHALL BE PROVIDED PRIOR TO THE ISSUANCE OF ANY PERMIT. CERTIFICATE SHALL PROVIDE FOR A 30 DAY POLICY CANCELLATION NOTICE TO ST. LOUIS COUNTY. UPON REQUEST, THE COUNTY WILL PROVIDE THE SPECIFIC AMOUNTS FOR BOTH PER PERSON AND PER OCCURRENCE LIMITS.
- PRIOR TO SPECIAL USE PERMIT ISSUANCE BY THE ST. LOUIS COUNTY DEPARTMENT OF HIGHWAYS AND TRAFFIC, A SPECIAL CASH ESCROW OR A SPECIAL ESCROW SUPPORTED BY AN IRREVOCABLE LETTER OF CREDIT, MAY BE REQUIRED TO BE ESTABLISHED WITH THE ST. LOUIS COUNTY DEPARTMENT OF HIGHWAYS AND TRAFFIC TO GUARANTEE COMPLETION OF THE REQUIRED ROADWAY IMPROVEMENTS.
- CONTINUOUS PEDESTRIAN ACCESS SHALL BE PROVIDED DURING THE CONSTRUCTION PROCESS. PRIOR TO THE START OF CONSTRUCTION, ADEQUATE PEDESTRIAN ACCESS AROUND THE SITE SHALL BE PROVIDED AND VERIFIED. NO EXISTING SIDEWALK SHALL BE REMOVED WITHOUT PROVIDING ADEQUATE PEDESTRIAN FACILITIES AND ROUTES DURING CONSTRUCTION ACTIVITIES.
- TRAFFIC GENERATION ASSESSMENT CONTRIBUTIONS SHALL BE ASSESSED AND PAID WITH EACH SITE DEVELOPMENT SECTION PLAN SUBMITTAL.

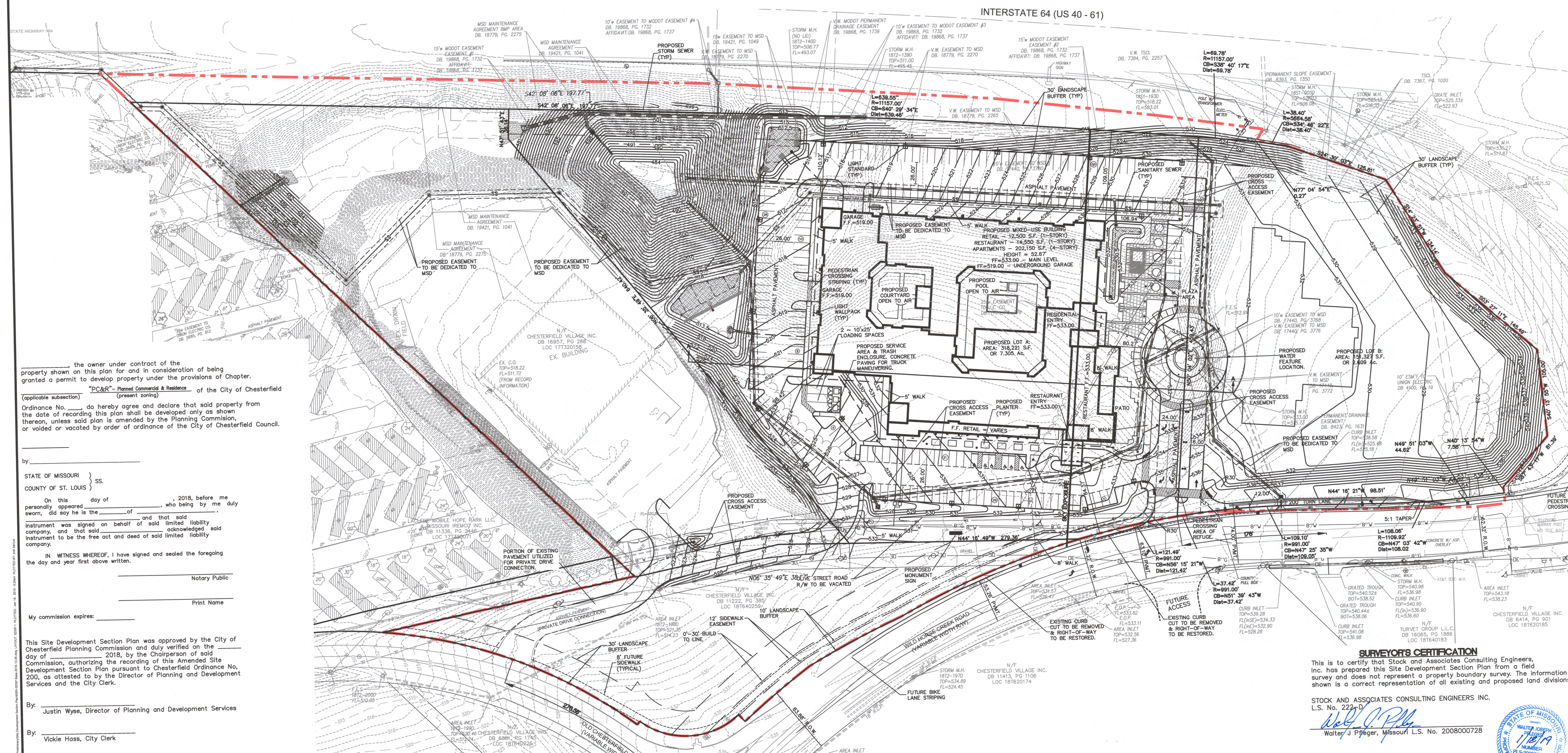
MEASUREMENT	LOT A	CURRENT PC&R	PC&R MAXIMUM
RETLOFF/CIVIC/LOGGING GFA	27,050	23,500	1,700,000
RESIDENTIAL UNITS	173	0	1,000



LOCATION MAP (NOT TO SCALE)  
 CATEGORY "C" BOUNDARY

Lot A  
 Beginning at a found iron pipe, located on the north right-of-way line of Olive Street Road, variable width, said point also being the southeast corner of a tract of land as conveyed to Chesterfield Village, Inc. by instrument recorded in Book 16957, Page 288 of the St. Louis County records; thence departing said right-of-way and along the northern and northern and North 06 degrees 35 minutes 49 seconds East, 603.75 feet to a found iron rod; thence North 47 degrees 51 minutes 43 seconds East, 36.14 feet to the southwestern right-of-way of Interstate Road 64 (US 40-61), variable width; thence along said right-of-way line the following: South 42 degrees 08 minutes 06 seconds East, 197.77 feet to a point of curvature to the right having a radius of 11,157.00 feet; thence along said curve with an arc length of 639.55 feet and a chord which bears South 40 degrees 29 minutes 34 seconds East, 639.46 feet thence departing said right-of-way line, South 59 degrees 04 minutes 02 seconds West, 859.43 feet to the point of non-tangential curve to the left having a radius of 991.00 feet; thence along said curve with an arc length of 121.42 feet and a chord which bears North 56 degrees 15 minutes 21 seconds West, 121.42 feet; thence North 44 degrees 16 minutes 49 seconds West, 279.36 feet to the direct southerly prolongation of the east line of above said Chesterfield Village, Inc. tract; thence along said prolongation line, North 06 degrees 35 minutes 49 seconds East, 38.67 feet to the POINT OF BEGINNING. Containing 318,221 square feet or 7.305 acres, more or less.

Lot B  
 Commencing at a found iron pipe, located on the north right-of-way line of Olive Street Road, variable width, said point also being the southeast corner of a tract of land as conveyed to Chesterfield Village, Inc. by instrument recorded in Book 16957, Page 288 of the St. Louis County records; thence departing said right-of-way and along the northern and northern and North 06 degrees 35 minutes 49 seconds East, 603.75 feet to a found iron rod; thence North 47 degrees 51 minutes 43 seconds East, 36.14 feet to the southwestern right-of-way of Interstate Road 64 (US 40-61), variable width, said point also being located on a non-tangential curve to the right having a radius of 11,157.00 feet; thence along said curve with an arc length of 639.55 feet and a chord which bears South 38 degrees 40 minutes 17 seconds East, 628.81 feet; North 77 degrees 04 minutes 54 seconds East, 0.27 feet to the point of non-tangential curve to the right having a radius of 5,654.58 feet; thence along said curve with an arc length of 38.40 feet and a chord which bears South 34 degrees 46 minutes 22 seconds East, 38.40 feet; South 24 degrees 30 minutes 03 seconds East, 125.81 feet; South 14 degrees 23 minutes 51 seconds West, 134.14 feet; South 03 degrees 27 minutes 17 seconds East, 145.49 feet; South 49 degrees 13 minutes 55 seconds West, 305.00 feet; South 87 degrees 43 minutes 17 seconds West, 81.39 feet and South 40 degrees 13 minutes 54 seconds West, 7.58 feet to a found iron rod located on the northeastern right-of-way line of Wildhorse Creek Road, variable width; thence along said right-of-way line the following courses and distances: North 49 degrees 51 minutes 3 seconds West, 44.02 feet to a found iron pipe located at the point of curvature to the right having a radius of 1,109.92 seconds West, 108.02 feet; North 44 degrees 16 minutes 21 seconds West, 98.51 feet to a point of curvature to the left seconds West, 108.02 feet; North 44 degrees 16 minutes 21 seconds West, 109.05 feet and a chord which bears North 47 degrees 25 minutes 35 seconds West, 109.05 feet; thence departing said right-of-way line and continuing along a last degree 39 minutes 43 seconds West, 37.42 feet to the POINT OF BEGINNING. Containing 151,327 square feet or 3.474 acres, more or less.



I, 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 "PC&R"-Planned Commercial & Residence of the City of Chesterfield (present zoning)

Ordinance No. do hereby agree and declare that said property from the date of recording this plan shall be developed only as shown thereon, unless said plan is amended by the Planning Commission, or voided or vacated by order of ordinance of the City of Chesterfield Council.

STATE OF MISSOURI }  
 COUNTY OF ST. LOUIS } ss.

On this day of 2018, before me personally appeared \_\_\_\_\_ who being by me duly sworn, did say he is the \_\_\_\_\_ and that said instrument was signed on behalf of said limited liability company and that said instrument to be the free act and deed of said limited liability company.

IN WITNESS WHEREOF, I have signed and sealed the foregoing the day and year first above written.

Notary Public  
 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 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.

By: Justin Wyse, Director of Planning and Development Services

By: Vickie Hass, City Clerk

PREPARED FOR:  
 PEARL COMPANIES  
 919 N. EAST STREET  
 INDIANAPOLIS, IN. 46202  
 ATTN: MR. JEFF TEGETHOFF

**SURVEYOR'S CERTIFICATION**

This is to certify that Stock and Associates Consulting Engineers, Inc. has prepared this Site Development Section Plan from a field survey and does not represent a property boundary survey. The information shown is a correct representation of all existing and proposed land divisions.

STOCK AND ASSOCIATES CONSULTING ENGINEERS INC.  
 L.S. No. 222-D

Walter J Pfeiffer, Missouri L.S. No. 2008000728



WILDHORSE  
 16461, 16491, 16493, 16495, 16503, 16511 WILD HORSE CREEK ROAD  
 CHESTERFIELD, MO 63005 & 63017

PREPARED BY:  
 STOCK & ASSOCIATES  
 Consulting Engineers, Inc.  
 257 Chesterfield Business Parkway  
 St. Louis, MO 63005 PH: (636) 500-0000 FAX: (636) 530-9100  
 e-mail: gmeier@stockandassociates.com  
 Web: www.stockandassociates.com

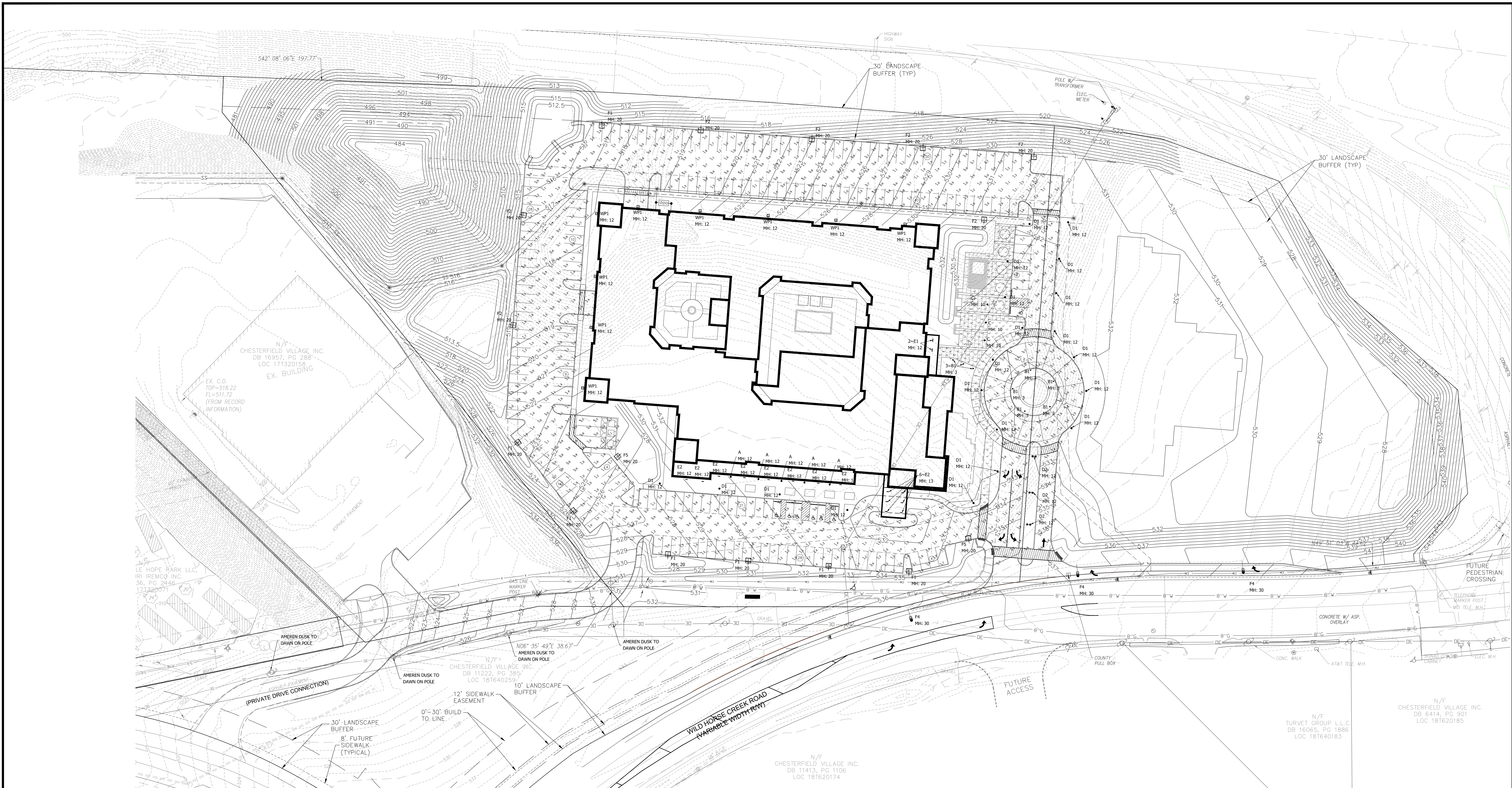
SITE DEVELOPMENT SECTION PLAN FOR:  
 WILDHORSE

REVISIONS:  
 1. 2018-10-29 CITY  
 2. 2018-12-16 CITY  
 3. 2019-01-04 CITY  
 4. 2019-01-16 CITY

DRAWN BY: K.S.G./A.E.B.  
 CHECKED BY: G.M.S.  
 DATE: 09/07/18  
 JOB NO: 218-6283-A  
 W.S.D. P.#: BASE MAP # 185 & 181  
 S.L.C. HAT # : HAT SUP. #  
 M.D.N.R. # :

SHEET TITLE:  
 SITE DEVELOPMENT SECTION PLAN

SHEET NO.:  
 SDSP-1



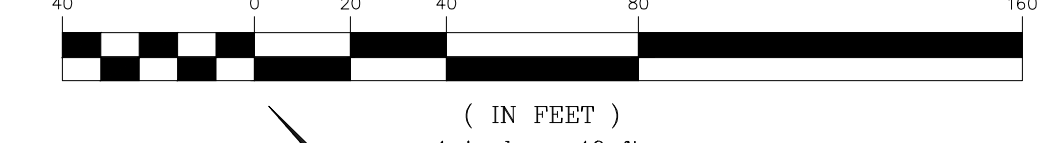
POLE FIXTURE MOUNTING HEIGHT INCLUDES BASE LIGHT LEVEL CALCULATED ON THE GROUND

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
PROPERTY LINE	Illuminance	Fc	0.13	2.1	0.0	N.A.	N.A.
RESIDENTIAL CANOPY	Illuminance	Fc	5.86	7.9	3.5	1.67	2.26
RESTAURANT CANOPY	Illuminance	Fc	5.85	7.2	3.6	1.63	2.00
RETAIL CANOPIES	Illuminance	Fc	5.28	7.8	1.3	4.06	6.00
SIDEWALK & SEATING AREA	Illuminance	Fc	1.84	7.3	0.1	18.40	73.00
SITE	Illuminance	Fc	1.30	7.4	0.5	2.60	14.80
WHCR	Illuminance	Fc	0.69	2.4	0.1	6.90	24.00

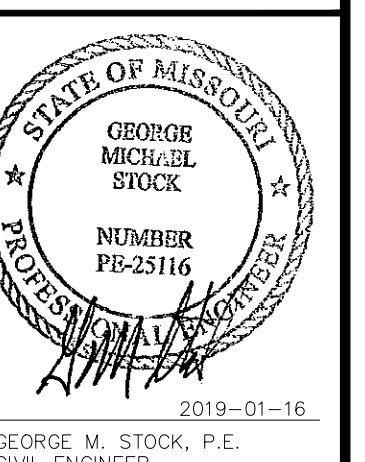
Symbol	Qty	Label	Arrangement	Lum. Watts	Total Watts	LLF	Description
●	5	A	SINGLE	15.8	79	0.800	SW1910LW-20L-35K-EX
○	5	B1	SINGLE	46.8	234	1.000	RT4xx-26L45T5-MDL05-CA
○	3	C	SINGLE	15.8	47.4	0.800	SW1910LW-20L-35K-EX
○	20	D1	SINGLE	42	840	1.000	L9462A Albertslund Mini LED 4000K
●●	3	D2	BACK-2-BACK	42	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-AW-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-C1QA-36-GW-MWP-LED1_35K-120-DMO
○	14	E2	SINGLE	21	294	1.000	SK1-C1QA-24-GW-MWP-LED1_35K-120-DMO

DESIGN IS BASED ON CURRENT INFORMATION PROVIDED AT THE TIME OF REQUEST. ANY CHANGES IN MOUNTING HEIGHT OR LOCATION, LAMP WATTAGE, LAMP TYPE, AND FOOTCANDLE REQUIREMENTS THAT EFFECT ANY OF THE INFORMATION PROVIDED, SHALL VOID CURRENT LAYOUT AND REQUIRE A CHANGE REQUEST AND RECALCULATION.

GRAPHIC SCALE

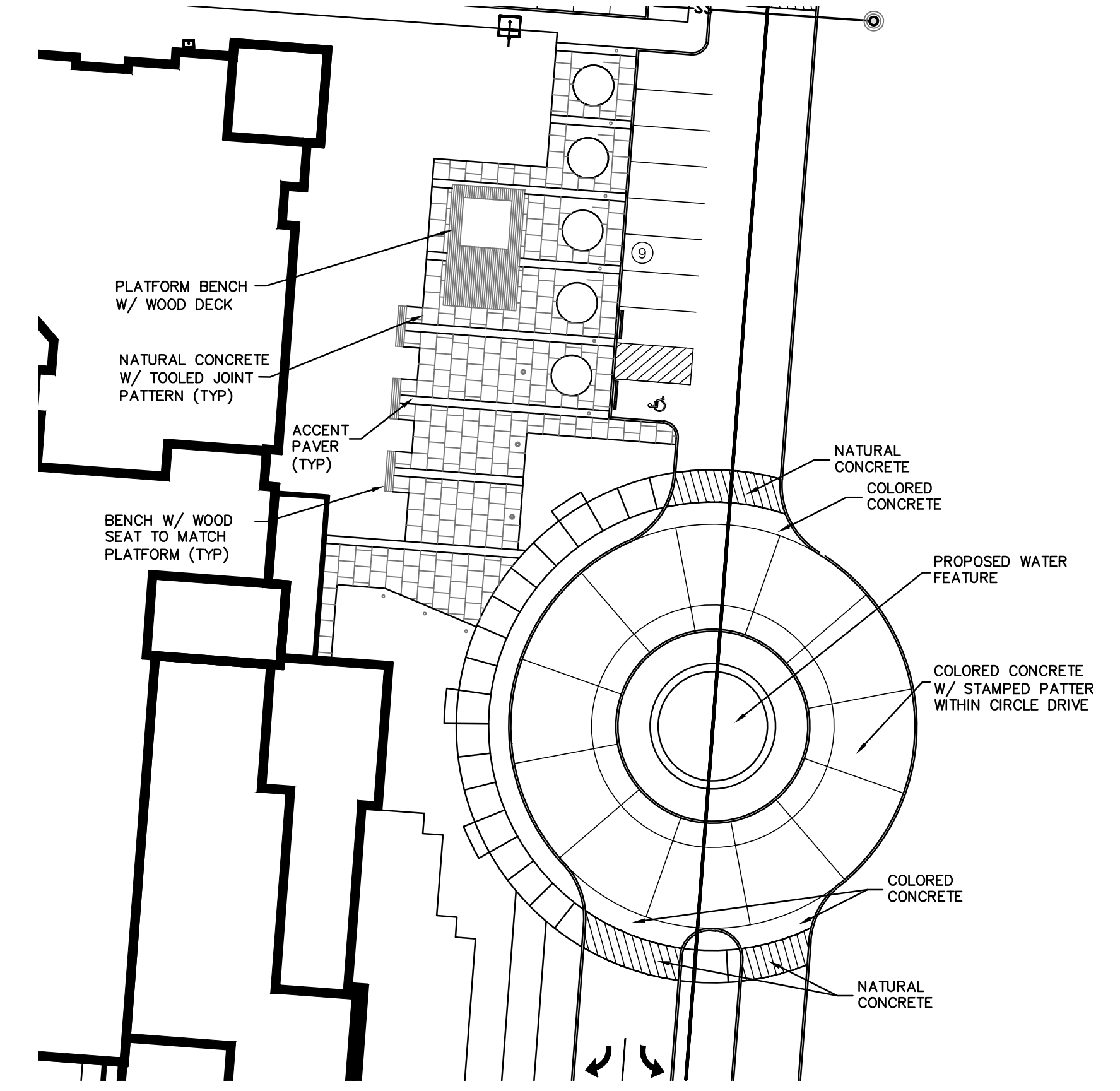
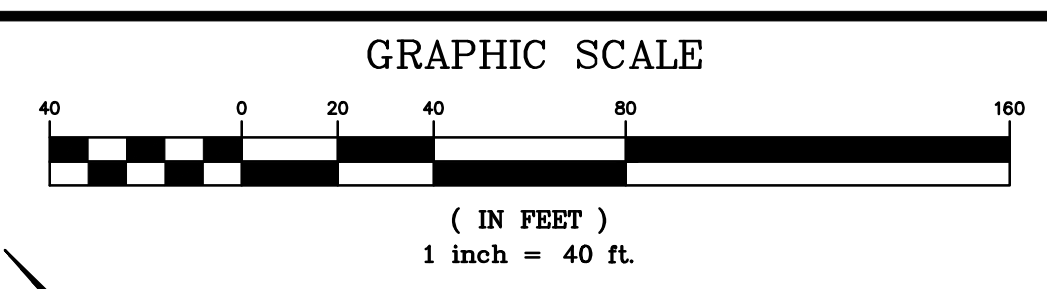
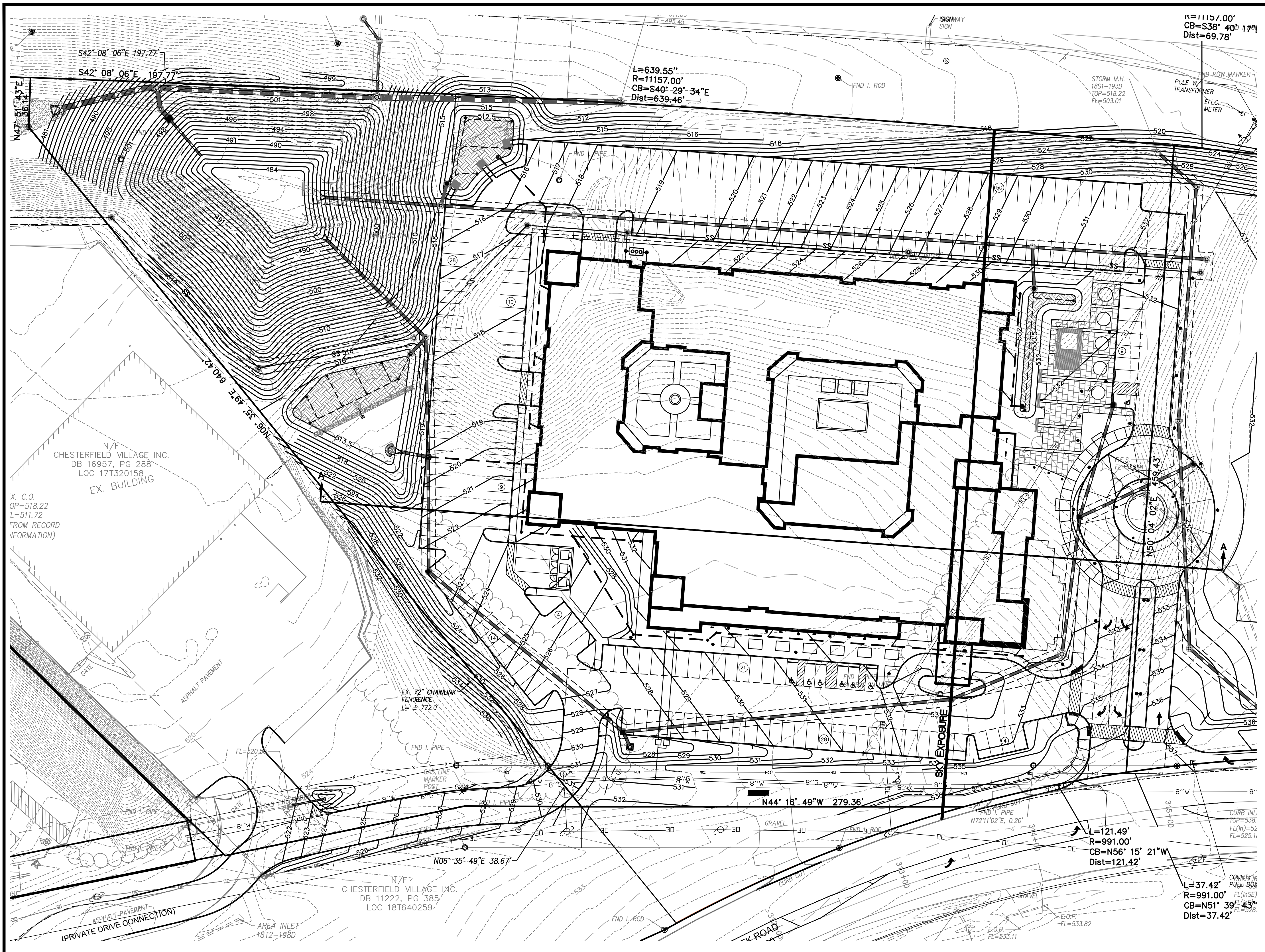


**NOTE:**  
 1. PARKING LIGHTING WILL NOT BE LOWER THAN 10FT ABOVE GRADE AND MOUNTING HEIGHTS OF LIGHTING FIXTURES SHALL NOT EXCEED 20 FT.  
 2. EXTERIOR LIGHTING SHALL BE FULLY SHIELDED FLAT-LENS ENCLOSED LUMINARIES.

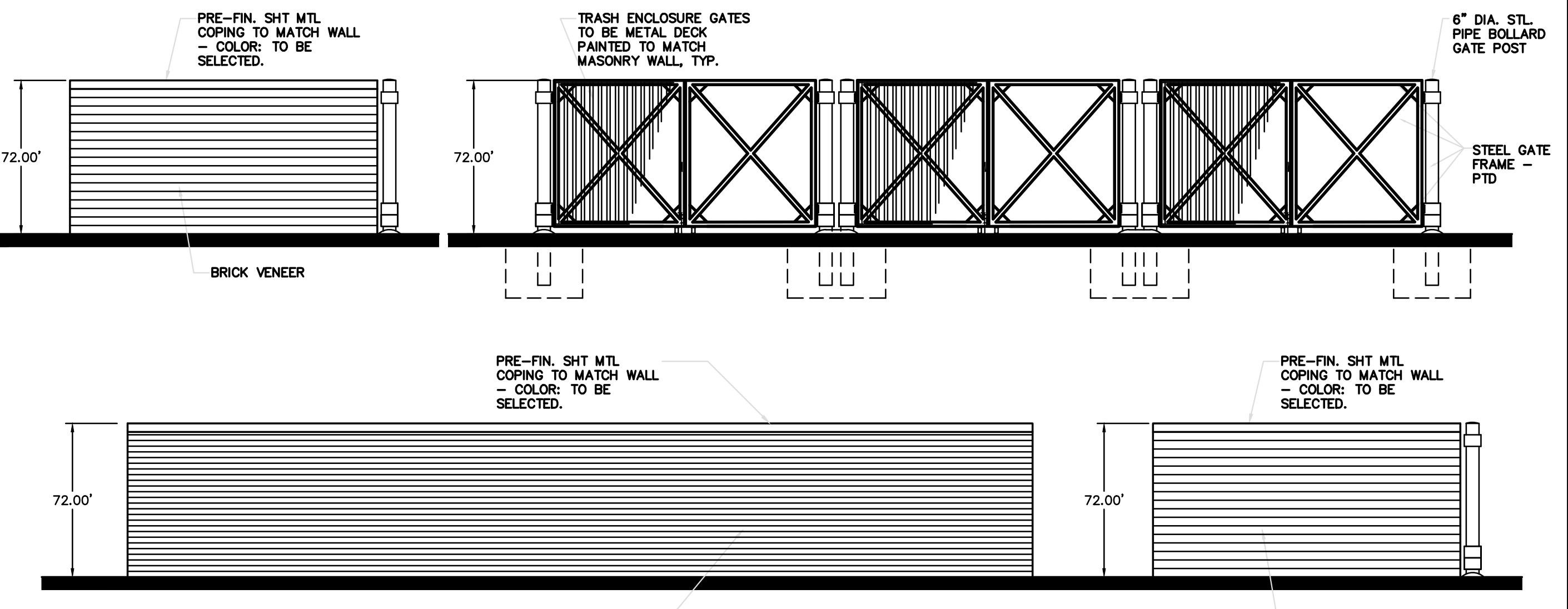
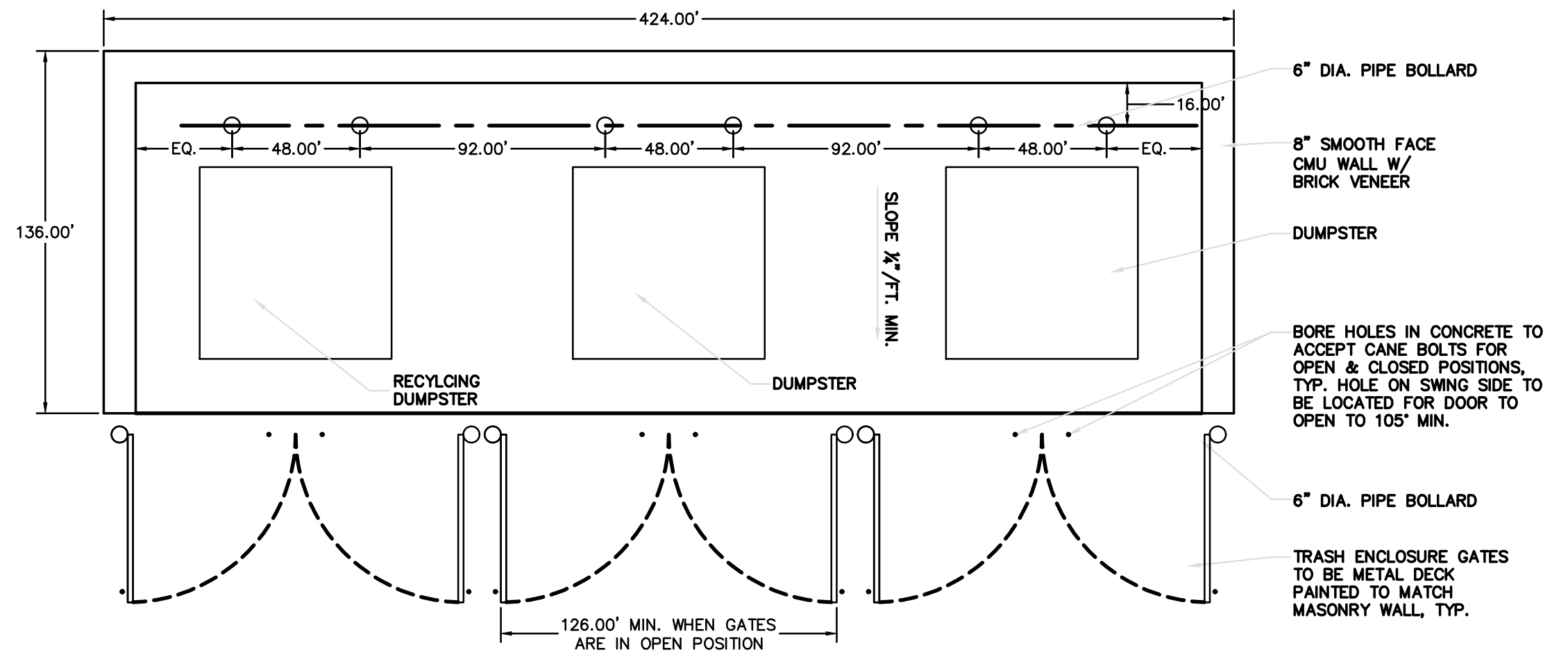


REVISIONS:  
 1. 2018-10-29 CITY  
 2. 2018-12-16 COUNTY  
 3. 2019-01-04 CITY  
 4. 2019-01-16 CITY

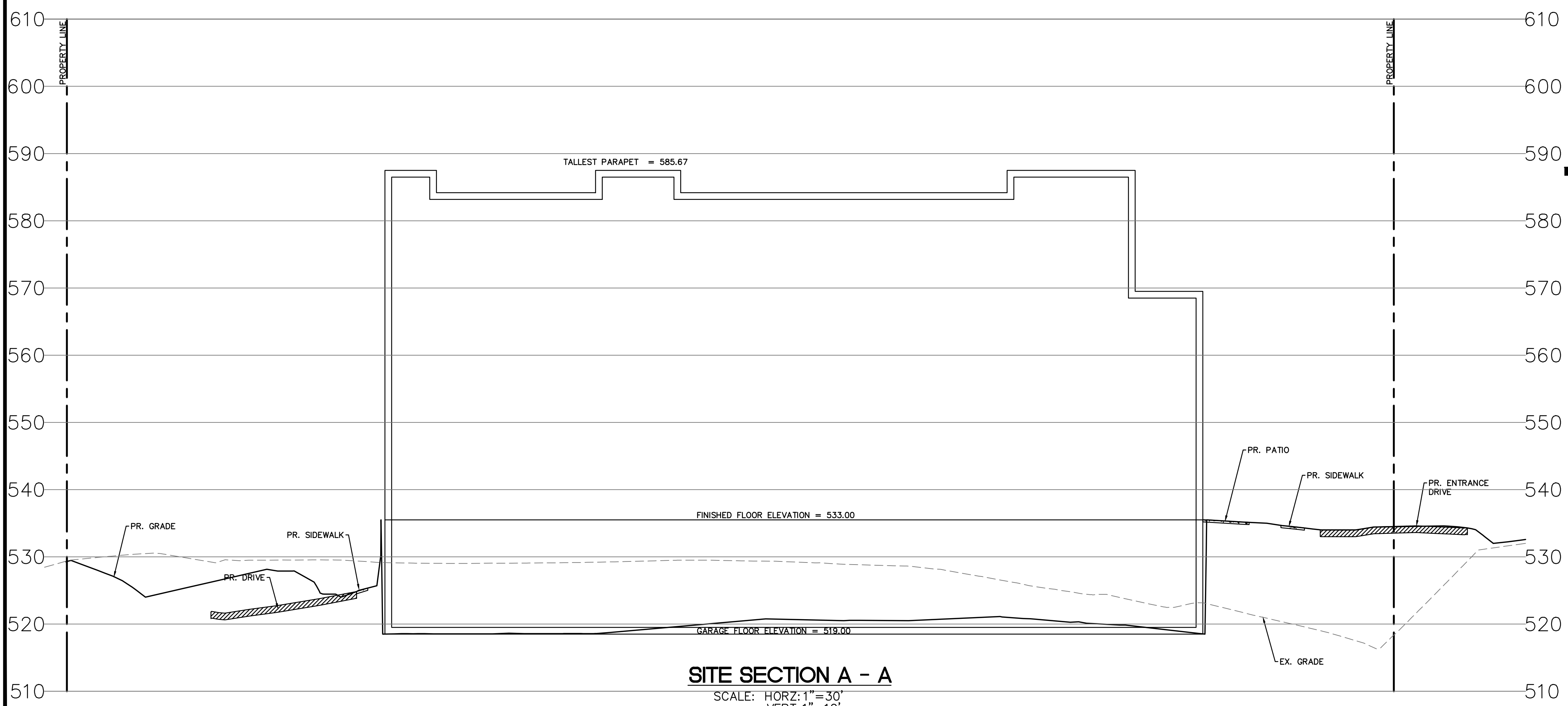
DRAWN BY: K.S.C./J.E.B.	CHECKED BY: G.M.S.
DATE: 09/07/18	JOB NO: 218-6283.4
W.S.D. #: -	RISE MAP #: 185 & 181
S.L.C. MAP #: 4234	HAT SUP. #: -
M.B.N.R. #: -	



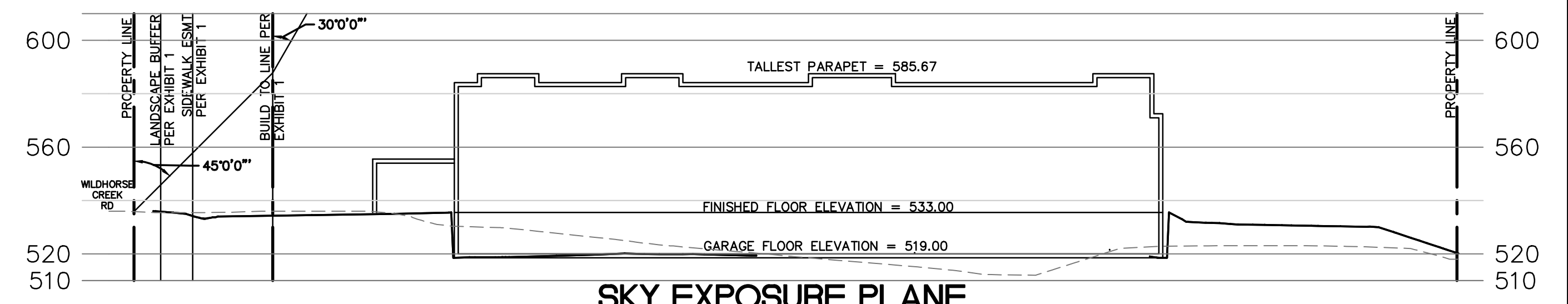
PLAZA AND ROUNDABOUT PAVING MATERIAL PLAN  
GRAPHIC SCALE  
( IN FEET )  
1 inch = 30 ft.



TRASH ENCLOSURE DETAIL  
SCALE: 1" = 5'  
NOTE: RECYCLING WILL BE PROVIDED



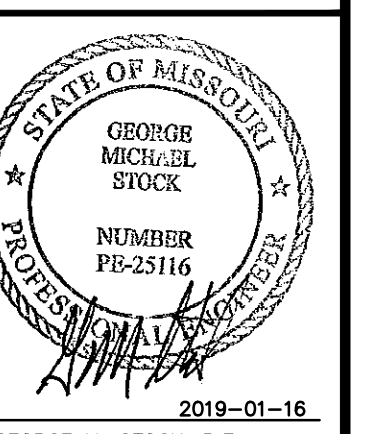
SITE SECTION A - A  
SCALE: HORIZ: 1" = 30'  
VERT: 1" = 10'



SKY EXPOSURE PLANE  
SCALE: HORIZ: 1" = 40'  
VERT: 1" = 40'

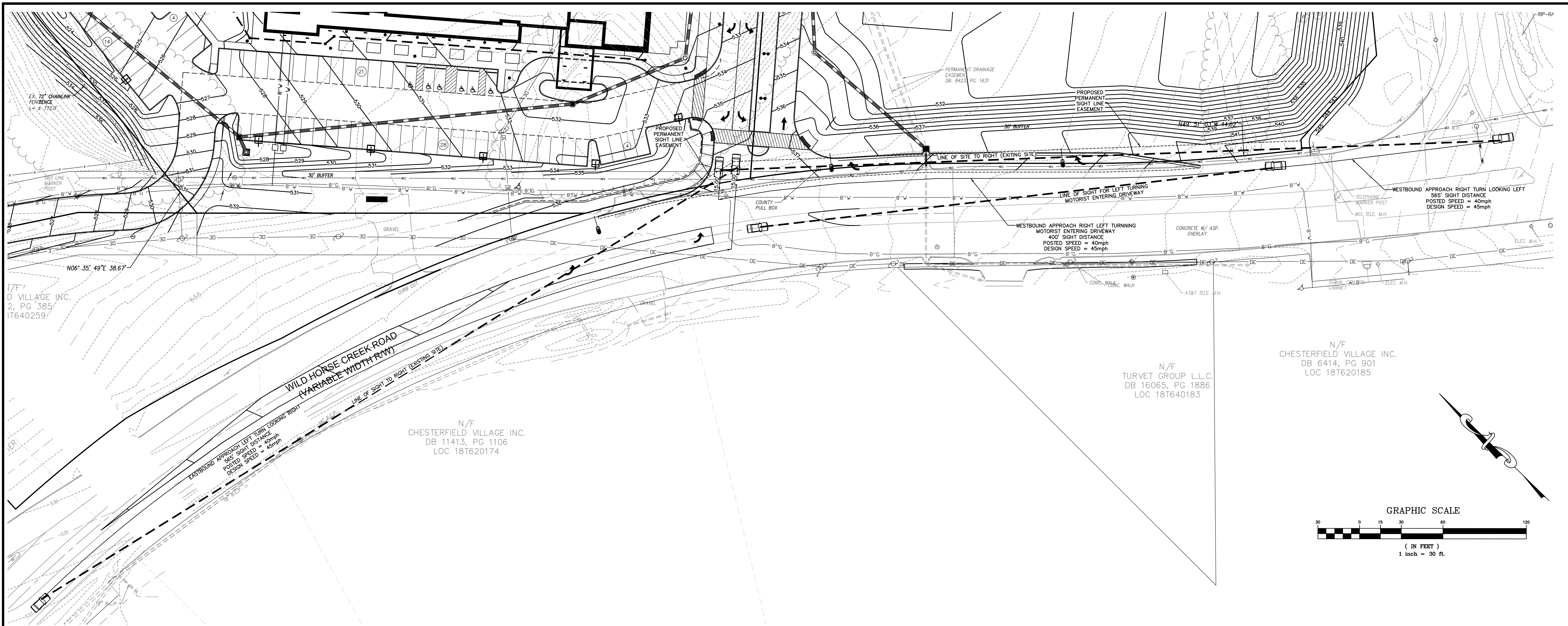
PREPARED BY:  
**STOCK & ASSOCIATES**  
 Consulting Engineers, Inc.  
 257 Chesterfield Business Parkway  
 St. Louis, MO 63005 PH: (636) 530-9300  
 5201-5201 FAX: (636) 530-9300  
 e-mail: general@stockassoc.com  
 Web: www.stockassoc.com

SITE DEVELOPMENT SECTION PLAN FOR:  
**WILDHORSE**  
 16461, 16491, 16493, 16495, 16503, 165011 WILD HORSE CREEK ROAD  
 CHESTERFIELD, MO 63005 & 63017



REVISIONS:  
 1. 2018-10-29 CITY  
 2. 2018-12-16 COUNTY  
 3. 2019-01-04 CITY  
 4. 2019-01-16 CITY

DRAWN BY: K.S.G./J.E.B. CHECKED BY: G.M.S.  
 DATE: 09/07/18 JOB NO: 218-6283.4  
 DES. P. # BASE MAP # 185 & 181  
 S.L.C. MAT # 4234 MAT SUP. #  
 M.D.N.R. #  
 SHEET TITLE: SITE SECTIONS & DETAILS  
 SHEET NO.: SDSP-3

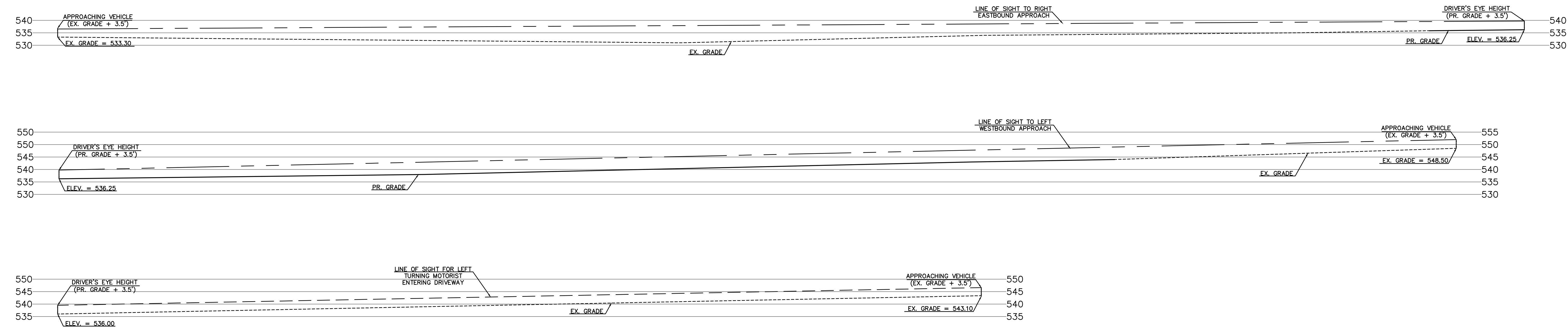
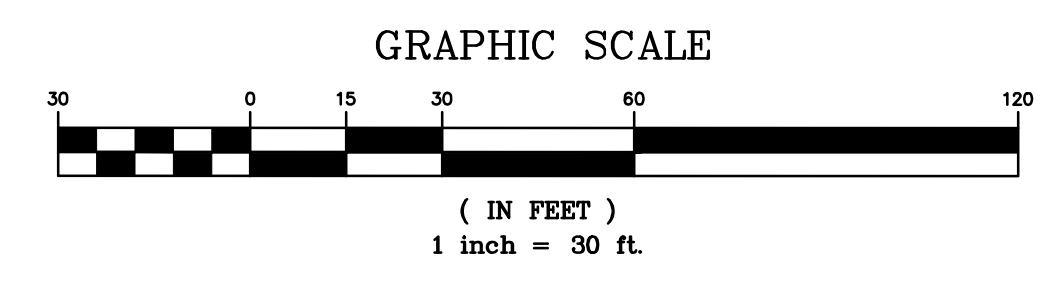


T/F-7  
D VILLAGE INC.  
2, PG 385  
1T6402597

N/F  
CHESTERFIELD VILLAGE INC.  
DB 11413, PG 1106  
LOC 18T620174

N/F  
TURVET GROUP L.L.C.  
DB 16065, PG 1886  
LOC 18T640183

N/F  
CHESTERFIELD VILLAGE INC.  
DB 6414, PG 901  
LOC 18T620185



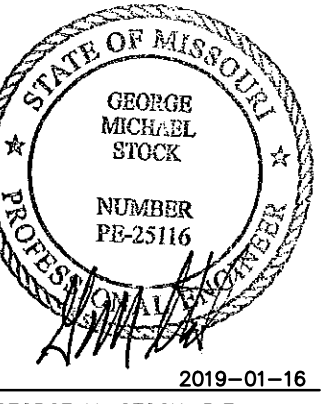
**SITE SIGHT DISTANCE PROFILES**  
SCALE: HORIZ: 1"=20'  
VERT: 1"=20'

PREPARED BY:



SITE DEVELOPMENT SECTION PLAN FOR:

**WILDHORSE**  
16481, 16491, 16493, 16495, 16503, 165011 WILD HORSE CREEK ROAD  
CHESTERFIELD, MO 63005 & 63017



REVISIONS:  
1. 2018-10-29 CITY  
2. 2018-12-16 COUNTY  
3. 2019-01-04 CITY  
4. 2019-01-16 CITY

DRAWN BY: K.S.C./J.E.B. CHECKED BY: G.M.S.  
DATE: 09/07/18 JOB NO: 218-6283.4  
K.S.C. P.#: - RISE MAP # 185 & 181  
S.L.C. MAT # 4234 MAT SUP. # -  
M.D.N.R. # -

SHEET TITLE:  
**ST. LOUIS COUNTY  
SIGHT DISTANCE  
STUDY**  
SHEET NO.:  
**SDSP-4**





**LANDSCAPE REQUIREMENTS:**

**STREET TREES:** 1 per 50 LF FRONTAGE (or part thereof)

- 400.78 LF FRONTAGE @ WILDHORSE CREEK RD. (Lot A), REQUIRING NINE (9) TREES; NINE (9) TREES PROVIDED
- NO PARKING SPACE SHALL BE FURTHER THAN FIFTY (50) FEET FROM A TREE.

**TREE GROUPINGS-This sheet only:**

TYPE	QTY.	PERCENTAGE
DECIDUOUS:	72	48%
ORNAMENTAL:	37	25%
EVERGREEN:	40	27%

**TREE GROUPINGS-Including Mitigation Plan (See Sheet L-2):**

TYPE	QTY.	PERCENTAGE
DECIDUOUS:	120	51%
ORNAMENTAL:	50	22%
EVERGREEN:	62	27%

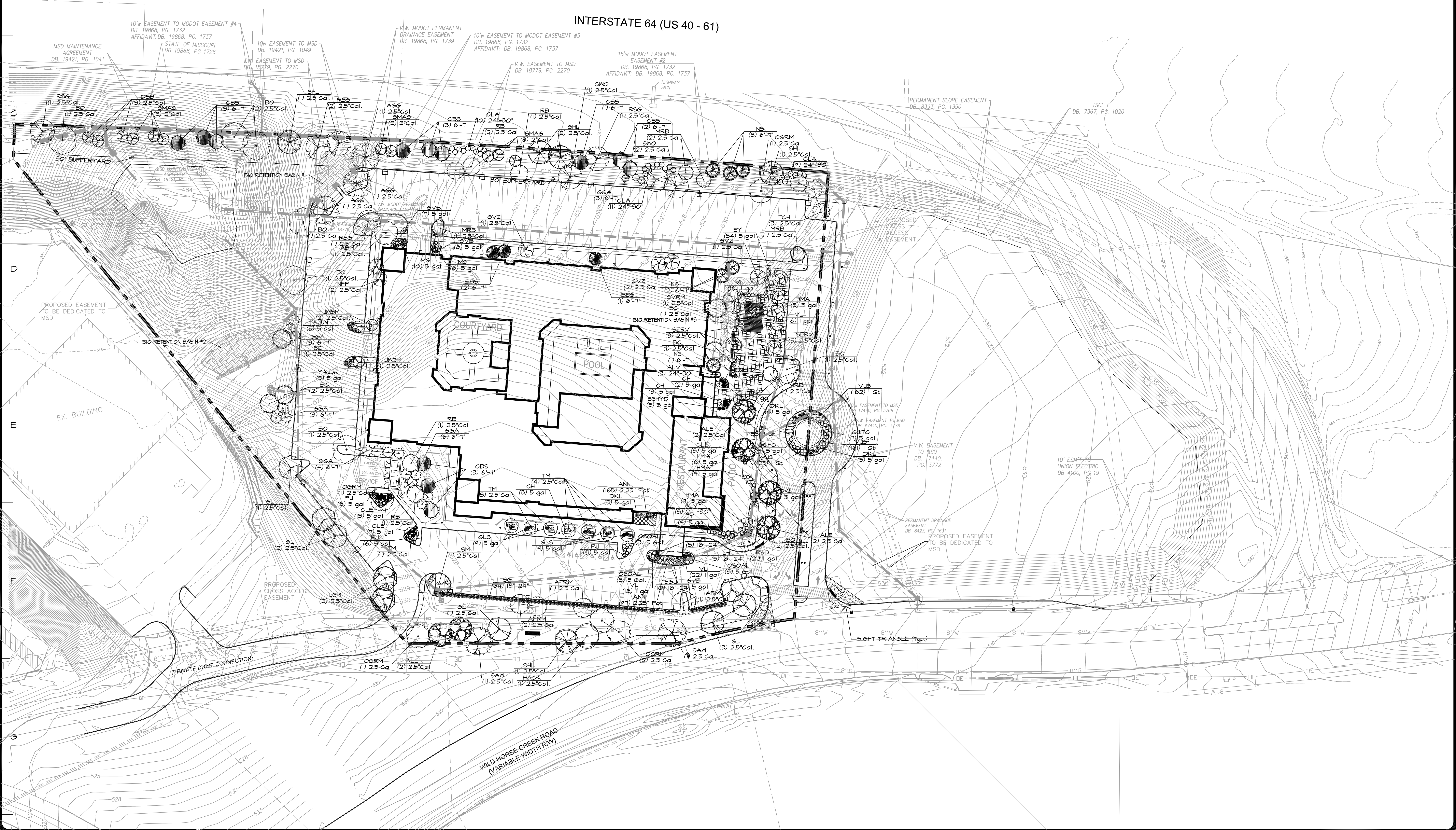
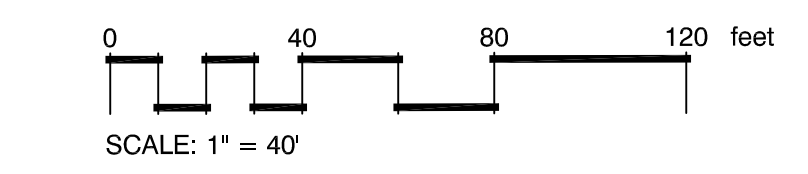
- A MINIMUM OF 20% OF TREES SHALL COME FROM THREE CATEGORIES: DECIDUOUS / ORNAMENTAL / EVERGREEN
- 51 FAST GROWTH (33%) AND 102 SLOW/MEDIUM GROWTH (67%)
- ALL STREET TREES SHALL BE MIN. 2.5" CALIPER WITH A MAXIMUM OF 20% OF TREES OF ONE SPECIES THROUGHOUT
- TOTAL SITE: 318,261 SF @ LOT A and 151,336 SF @ LOT B
- OPEN SPACE: 141,571 SF or 44.48% @ LOT A  
55,406 SF or 36.61% @ LOT B
- BUILDING AREAS: 25,580 SF @ LOT A and 19,176 SF @ LOT B
- PARKING / DRIVE AREAS: 91,110 SF @ LOT A and 76,754 SF @ LOT B

**PLEASE NOTE:**

- ALL LANDSCAPE AREAS & ISLANDS SHALL BE PROVIDED WITH A MECHANICAL IN-GROUND IRRIGATION SYSTEM (BY OTHERS). COORDINATE LANDSCAPING WITH IRRIGATION CONTRACTOR.
- ALL PLANTING BEDS TO BE EDGED w/ SPADE-CUT EDGE UNLESS OTHERWISE NOTED.
- ADJUST TREE LOCATIONS MIN. 25' DISTANCE/FOR LIGHT STANDARDS AND UNDERGROUND UTILITIES.
- NO TREES OR OTHER OBSTRUCTIONS SHALL BE LOCATED WITHIN 6 FEET OF FIRE HYDRANTS.
- ALL SHRUBS/PERENNIALS WITHIN SIGHT TRIANGLE ZONES TO BE MAINTAINED AT A MAXIMUM HEIGHT OF TWENTY FOUR INCHES (2 FEET); ALL TREES TO BE MAINTAINED WITH A CLEAR HEIGHT FROM GRADE OF TEN (10) FEET.



1-800-DIG-RITE



REVISIONS	BY
10/11/18	RAM
10/26/18	RAM
12/17/18	RAM
1/4/19	RAM

**Wildhorse TECHNOLOGIES**  
 67 Jacobs Creek Drive  
 St. Louis, MO 63105  
 (636) 426-2500  
 www.wildhorsetechnologies.com

**REGISTERED**  
 RANDALL W. MARDIS  
 MISSOURI LANDSCAPE ARCHITECT #000019  
 DATE: 1/4/19

**MASTER PLANTING PLAN FOR THE PROPOSED Wildhorse CHESTERFIELD, MISSOURI**

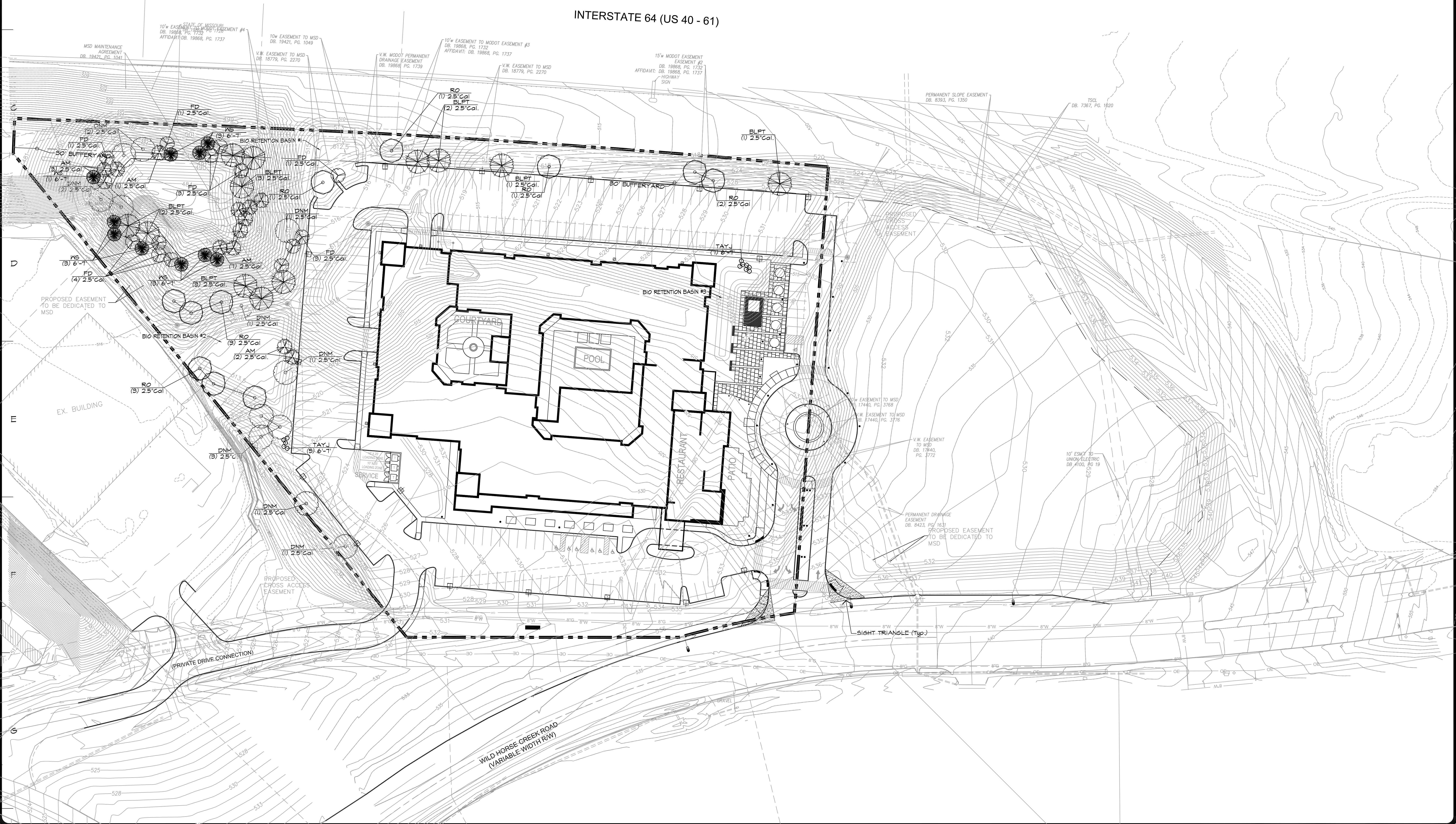
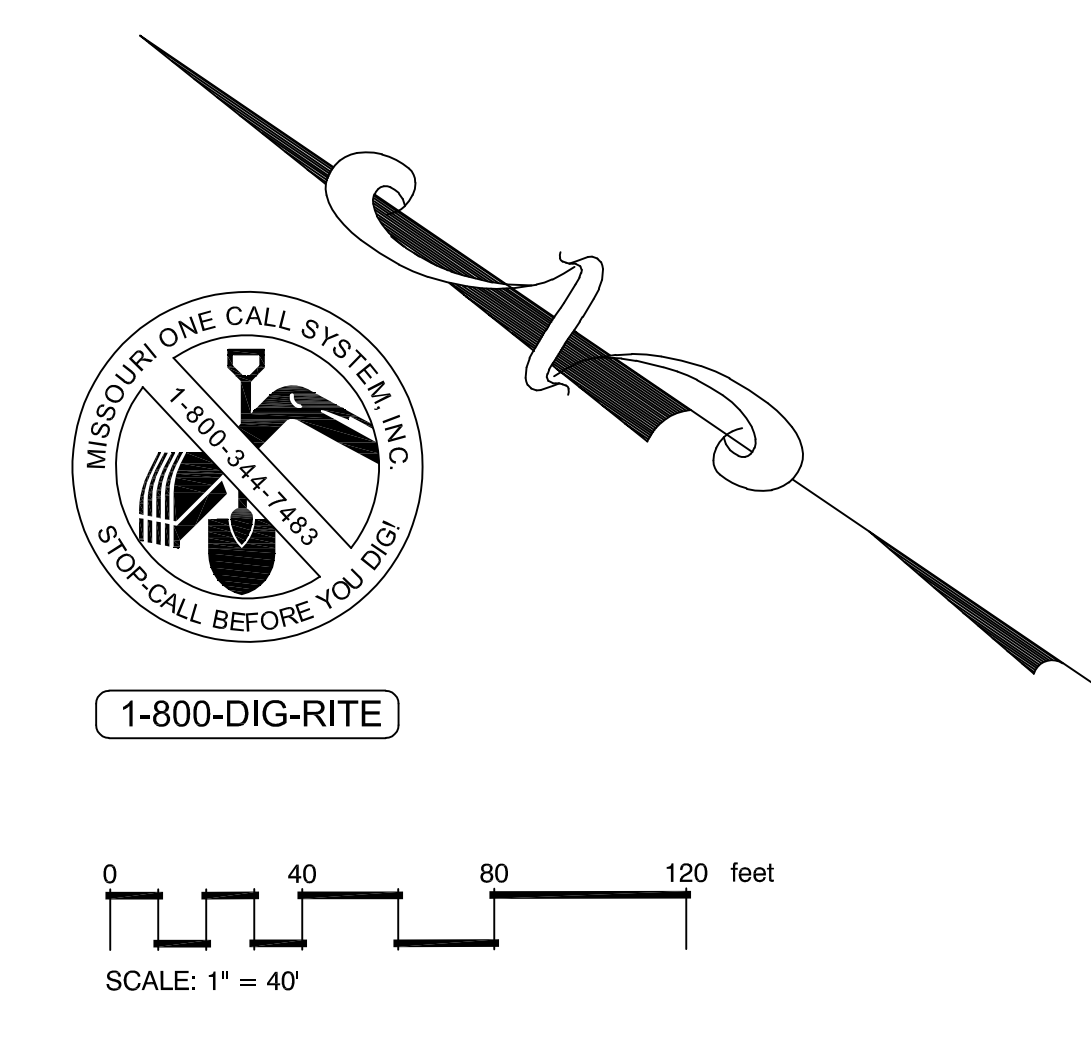
DRAWN	R. MARDIS
CHECKED	RAMMEL
DATE	9/6/18
SCALE	1"=40'-0"
JOB NO.	2018-155
SHEET	L-1
OF THREE SHEETS	

PLANT SCHEDULE		SIZE	Slow	Moderate	Fast	< 6"	6 - 10"	10 - 36"	> 3'	< 10"	3 - 6'	6 - 10'	10 - 15'	> 15'	< 15'	15 - 25'	25 - 40'	40 - 65'	> 65'	
<b>TREES</b>																				
DNM	12	Deborah Norway Maple / <i>Acer platanoides</i> 'Deborah'	2.5' Cal		●														●	
BLPT	12	London Plane Tree / <i>Platanus x acerifolia</i> 'Bloodgood'	2.5' Cal			●													●	
RO	11	Red Oak / <i>Quercus rubra</i>	2.5' Cal			●													●	
AM	13	Flame Amur Maple / <i>Acer ginnala</i> 'Flame'	2.5' Cal		●														●	
<b>EVERGREEN TREES</b>																				
TAYJ	12	Taylor Juniper / <i>Juniperus virginiana</i> 'Taylor'	6'-T		●														●	
MS	10	White Spruce / <i>Picea glauca</i>	6'-T		●														●	
<b>FLOWERING TREES</b>																				
FP	13	Pink Flowering Dogwood / <i>Cornus florida rubra</i>	2.5' Cal			●													●	

**TREE GROUPINGS:**

TYPE	QTY.	PERCENTAGE
DECIDUOUS:	48	50%
ORNAMENTAL:	13	16%
EVERGREEN:	22	27%

● 36 FAST GROWTH (43%) AND SLOW/MEDIUM GROWTH (57%)



REVISIONS	BY
10/1/18	RMM
10/26/18	RMM
12/1/18	RMM
1/4/19	RMM

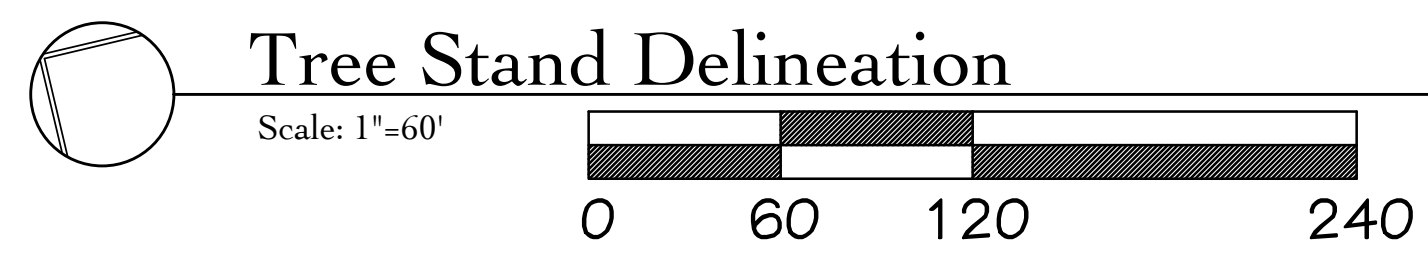
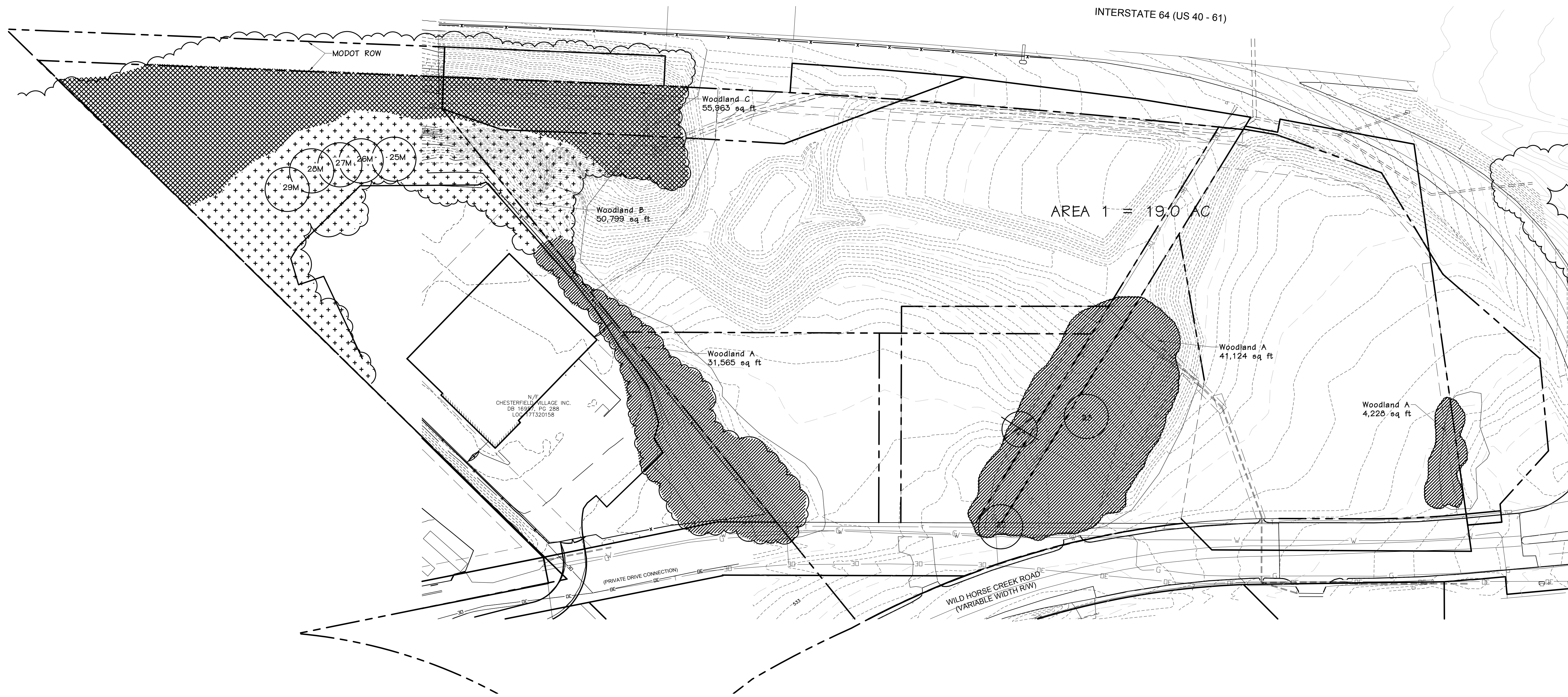
**Landscape TECHNOLOGIES**  
 67 Jacobs Creek Drive  
 Chesterfield, Missouri 63005  
 (636) 438-2500  
 www.landscapearchitect.com

**RANDALL W. MARDIS**  
 MISSOURI LANDSCAPE ARCHITECT #000019  
 DATE: 1/4/19

**MITIGATION PLANTING PLAN FOR THE PROPOSED  
 The Pearl at Wildhorse Creek  
 CHESTERFIELD, MISSOURI**

DRAWN  
R. MARDIS  
 CHECKED  
RMM/EL  
 DATE  
9/6/18  
 SCALE  
1"=40'-0"  
 JOB NO.  
2018-155  
 SHEET  
**L-2**  
 OF THREE SHEETS





Project Tree ID	Latin Name	Common Name	DBH	Height (ft.)	Canopy Spread (ft.)	Condition	Number of Stems
1	<i>Gleditsia triacanthos var inermis</i>	honeylocust thornless	26	41-50	41-50	Dead (0)	1
2	<i>Quercus palustris</i>	oak pin	38	51-60	41-50	Poor (50-59)	1
3	<i>Morus species</i>	mulberry	12	31-40	31-40	Fair (60-69)	1
4	<i>Liquidambar styraciflua</i>	sweetgum	26	41-50	31-40	Good (70-79)	1
5	<i>Liquidambar styraciflua</i>	sweetgum	30	51-60	41-50	Good (70-79)	1
6	<i>Prunus serotina</i>	cherry black	26	41-50	31-40	Fair (60-69)	1
7	<i>Betula nigra</i>	birch river	8	21-30	13-20	Fair (60-69)	Multiple Stems
8	<i>Betula nigra</i>	birch river	6	21-30	13-20	Fair (60-69)	Multiple Stems
9	<i>Betula nigra</i>	birch river	9	21-30	13-20	Fair (60-69)	1
10	<i>Betula nigra</i>	birch river	10	21-30	21-30	Fair (60-69)	1
11	<i>Betula nigra</i>	birch river	10	21-30	21-30	Fair (60-69)	1
12	<i>Prunus serotina</i>	cherry black	10	21-30	21-30	Poor (50-59)	Multiple Stems
13	<i>Unmusical rubra</i>	elm slippery	14	31-40	31-40	Fair (60-69)	1
14	<i>Quercus velutina</i>	oak black	14	31-40	31-40	Fair (60-69)	1
15	<i>Quercus velutina</i>	oak black	12	31-40	31-40	Fair (60-69)	1
16	<i>Betula nigra</i>	birch river	10	31-40	21-30	Fair (60-69)	1
17	<i>Morus species</i>	mulberry	12	31-40	21-30	Fair (60-69)	1
18	<i>Unmusical rubra</i>	elm slippery	12	31-40	21-30	Fair (60-69)	1
19	<i>Crataegus phaenopyrum</i>	hawthorn washington	6	20-Nov	13-20	Poor (50-59)	1
20	<i>Crataegus phaenopyrum</i>	hawthorn washington	6	20-Nov	13-20	Fair (60-69)	1
21	<i>Unmusical rubra</i>	elm slippery	28	41-50	41-50	Fair (60-69)	1
22	<i>Juglans nigra</i>	walnut black	42	51-60	41-50	Critical (10-49)	1
23	<i>Juglans nigra</i>	walnut black	40	51-60	41-50	Critical (10-49)	1
24	<i>Juglans nigra</i>	walnut black	32	41-50	41-50	Dead (0)	1

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	<i>Quercus alba</i>	White Oak	28	Monarch
26	<i>Quercus alba</i>	White Oak	28	Monarch
27	<i>Quercus alba</i>	White Oak	28	Monarch
28	<i>Quercus alba</i>	White Oak	28	Monarch
29	<i>Quercus alba</i>	White Oak	28	Monarch

LEGEND

- Location
- 10 Reference Number
- Dead Tree

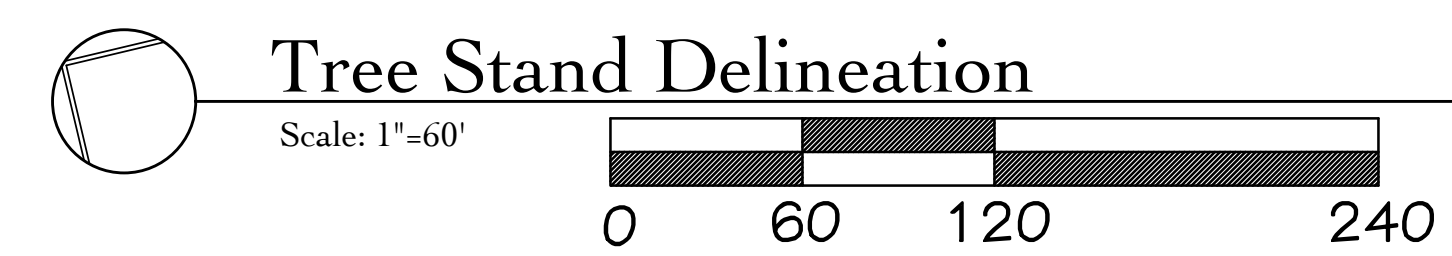
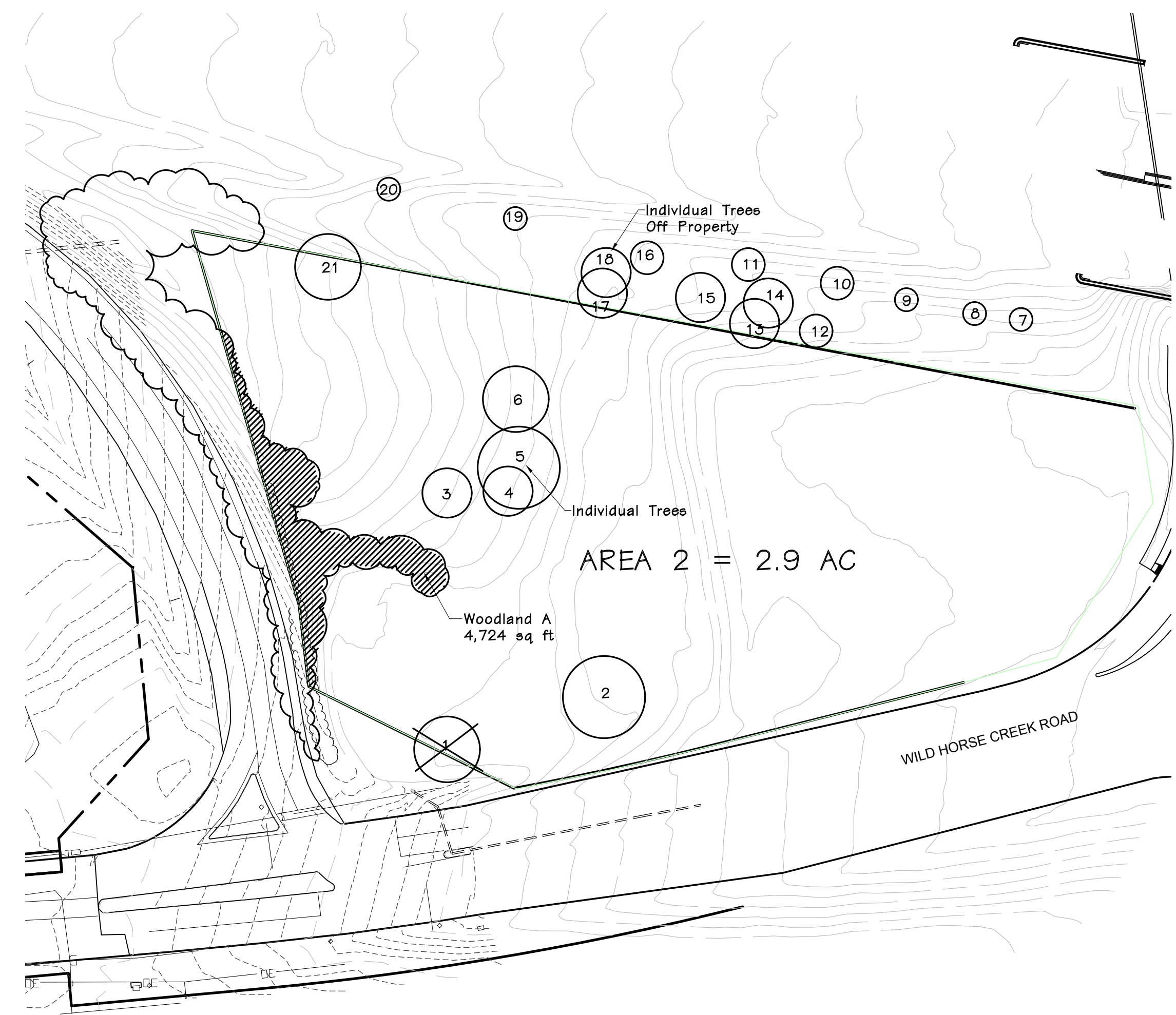
**Tree Stand Delineation Narrative**  
October 22, 2018  
The overall properties comprises a total of 21.91 Ac and has a total of 4.5 Ac. of Woodlands. The attached detailed Tree Stand Delineation map was completed by field inspection.

**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.

**Woodland 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.)



Douglas A. DeLong, Landscape Architect LA-81

Consultants:



**WILDHORSE**  
**Pearl Companies**  
Chesterfield, Mo.

Revisions:

Date	Description	No.
12/14/18	City Comments	1

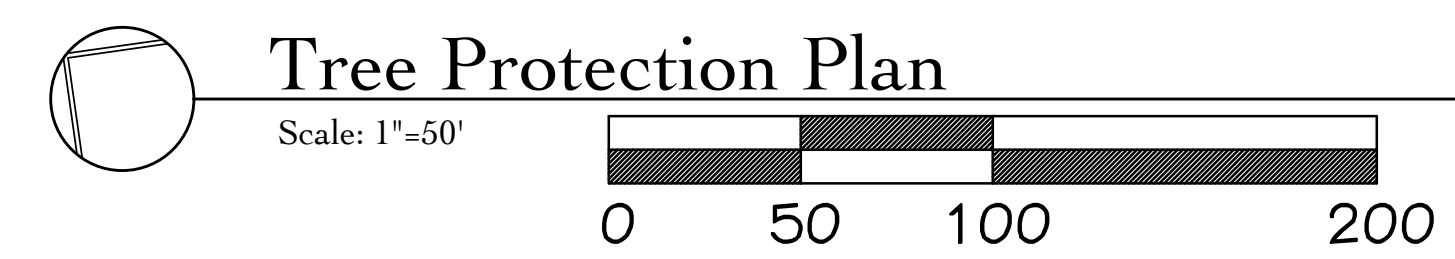
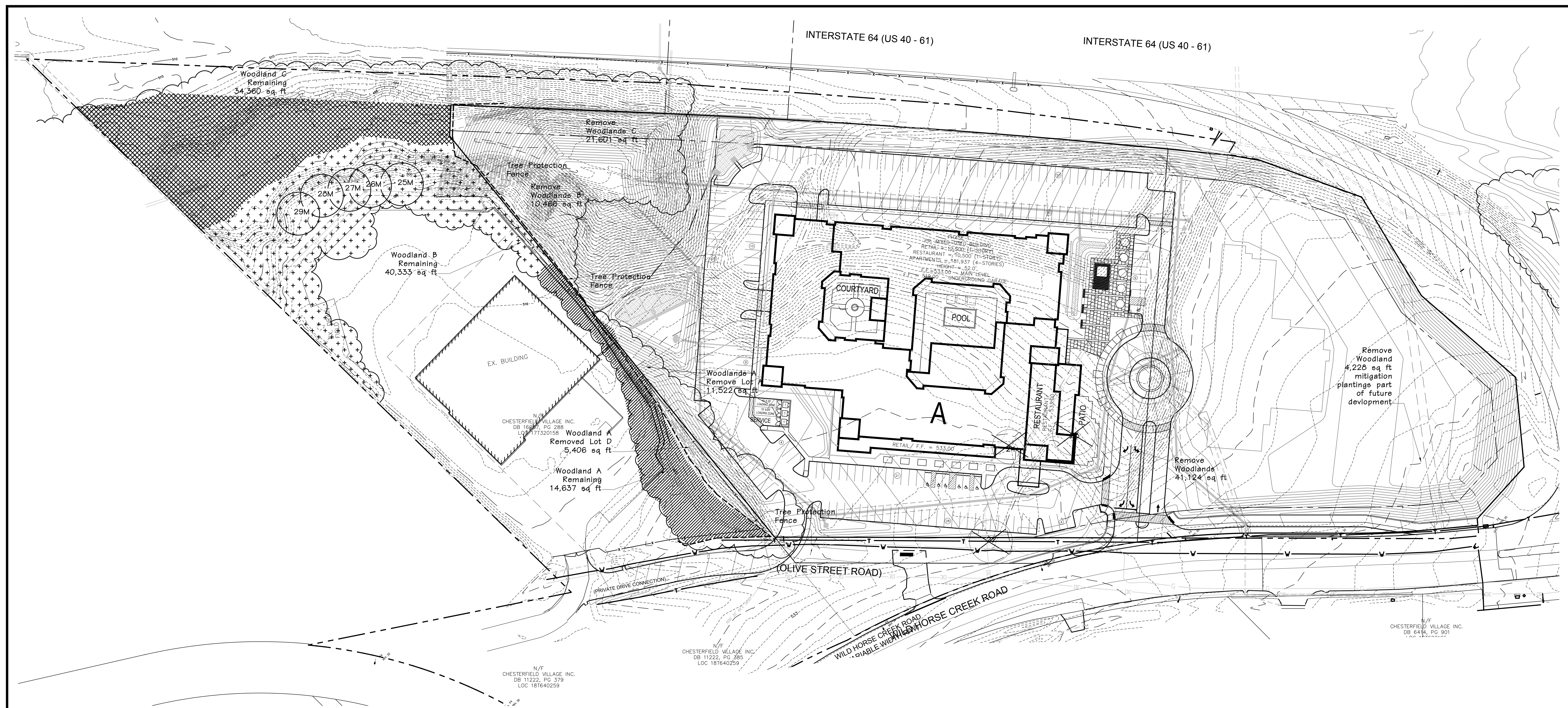
Drawn: **BD**  
Checked: **DD**

**DeLong** Architecture, LLC  
7620 West Bruno Ave  
St. Louis, MO, 63117  
(314) 346-4856  
delong.ta@gmail.com  
Missouri State Certified Landscape Architect #0103800415

Sheet Title: **Tree Stand Delineation**  
Sheet No: **TSD-1**  
Date: **10-22-18**  
Job #: **174,002**

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

*Skip Kincaid*  
Base Map Provided by: Steck Associates



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
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28	Quercus alba	White Oak	28	Monarch
29	Quercus alba	White Oak	28	Monarch

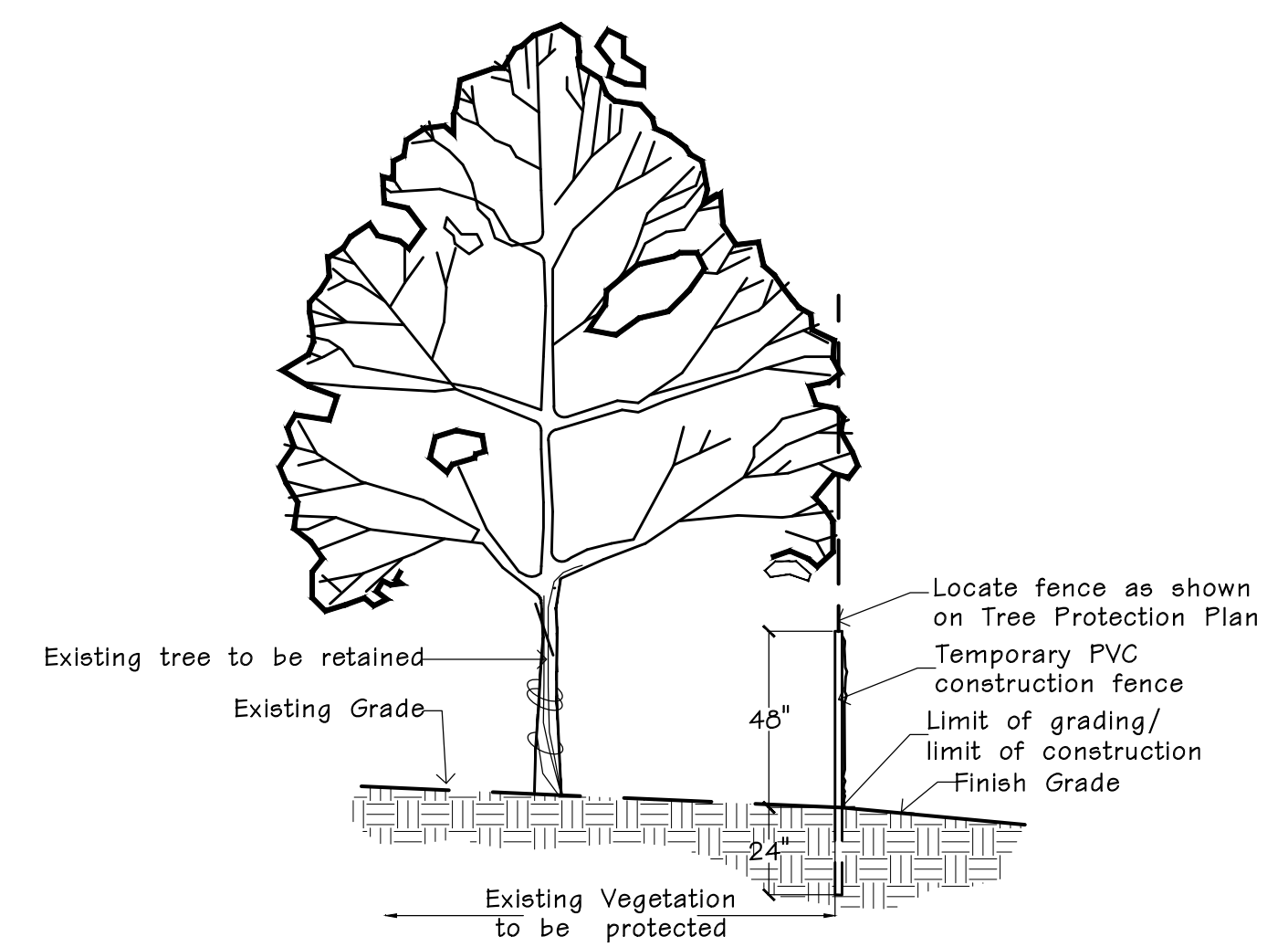
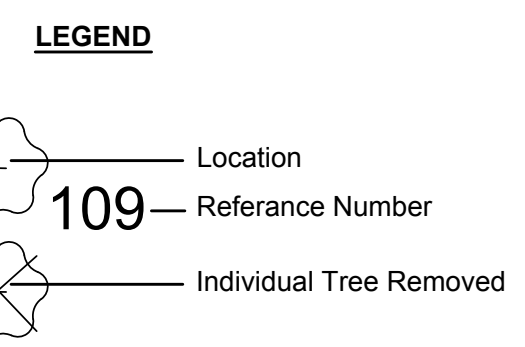
TOTAL SITE AREA = 318,249.4 SQ. FT. (7.306 AC)

PARCEL A: EXISTING WOODLANDS: 84,715 sq ft  
WOODLANDS REMOVED: 84,715 sq ft (100%)  
WOODLANDS REMAINING: 0 sq ft Mitigation Required  
PRESERVATION REQUIRED: 30% - 25,414.5 SF  
MITIGATION REQUIRED: 25,414.5 SF  
400 SF FOR LARGE TREES X 32 = 12,800 SF  
300 SF FOR MEDIUM TREES X 25 = 7,500 SF  
200 SF FOR SMALL TREES X 28 = 5,200 SF  
25,500 SF

PARCEL D: EXISTING WOODLANDS: 94,736 sq ft  
WOODLANDS REMOVED: 5,406 sq ft (5.7%)  
WOODLANDS REMAINING: 89,330 sq ft (94.3%)

**TREE PROTECTION NOTES:**

- 1) Pre-construction meeting to be held on-site to include a presentation of tree protection measures to operators; construction supervisors; developer's representative; and city zoning inspector.
- 2) Clearing limits shall be rough staked or marked by the applicant's surveyor in order to facilitate location for trenching and fencing installation.
- 3) No early maintenance schedule is required. Where noted on plan, contractor to trench and root prune prior to any grading activity. Required siltation devices to be installed along limit of disturbance line.
- 4) No clearing or grading shall begin in areas where the treatment and preservation measures have not been completed including the installation of tree protection fencing along all "Limit of Disturbance" lines shown on the plan.
- 5) Tree Protection Fencing shall be 4-foot high temporary plastic construction fence. No equipment traffic/parking, concrete washout, material storage or other such construction activity shall be permitted to penetrate the protection fencing or disrupt the Protected Woodland Area except for the removal of dead or invasive plant material. Any proposed plantings shall be subject to the review and approval of the City Arborist. All ground plane shall be mulched with hardwood bark mulch. Tree Protection Signage will be placed along the Protection Fencing as shown as the dashed line on the plan.
- 6) Tree protection measures to be maintained throughout construction sequence.



**TREE PROTECTION DETAIL**  
n.t.s.

Revisions:

Date	Description	No.
12/14/18	City Comments	1

Drawn: **BD**  
Checked: **DD**

DeLong Landscape Architecture, LLC  
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St. Louis, MO 63117  
(314) 346-4856  
delong.la@gmail.com  
Missouri State Certificate of Landscape Architecture #010300165

Sheet Title: **Tree Protection Plan - 6D&P**  
Sheet No: **TPP-2**  
Date: **10-22-18**  
Job #: **174.002**

**WILDHORSE**  
**Pearl Companies**  
Chesterfield, Mo.



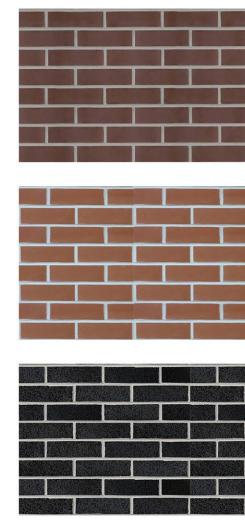
**SOUTH ELEVATION**  
 0 5' 10' 20' 40'



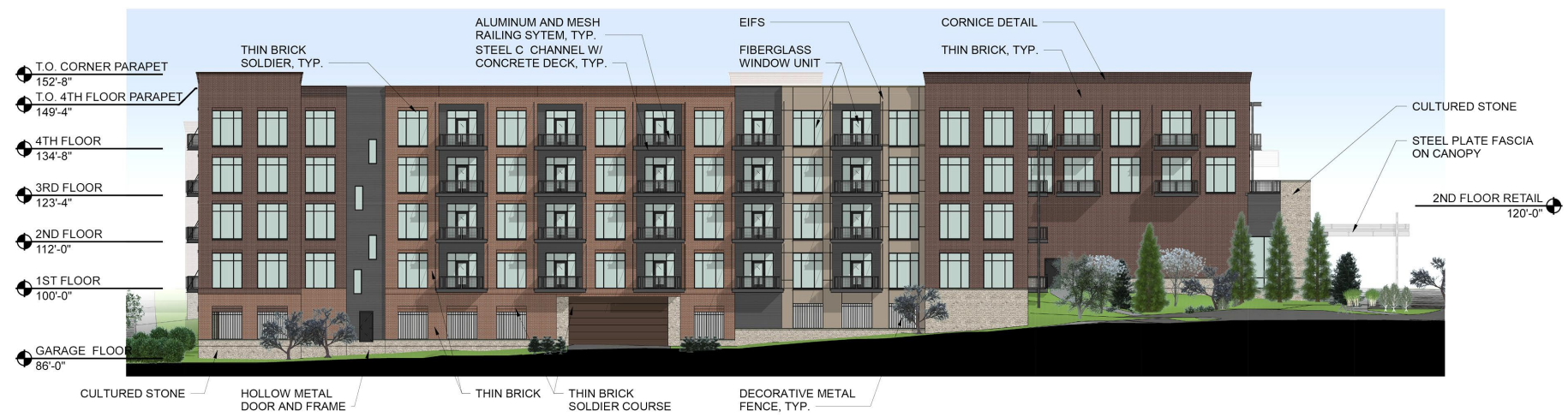
**EAST ELEVATION**  
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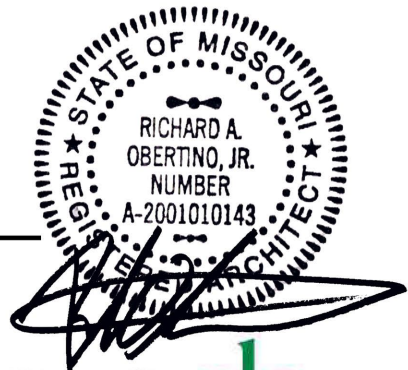
**NORTH ELEVATION**  
 0 5' 10' 20' 40'



3 BRICK TYPES



**WEST ELEVATION**  
 0 5' 10' 20' 40'



**WILDHORSE**



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:**

1. 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



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.

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,

A handwritten signature in black ink, appearing to read "Daniel Tate". The signature is fluid and cursive, with a large initial "D" and "T".

Daniel Tate  
Senior Design Architect



## SHORT WAREHOUSE SHADE

### CLASSIC SERIES / 2000 LUMENS

rlm  
classics



#### 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

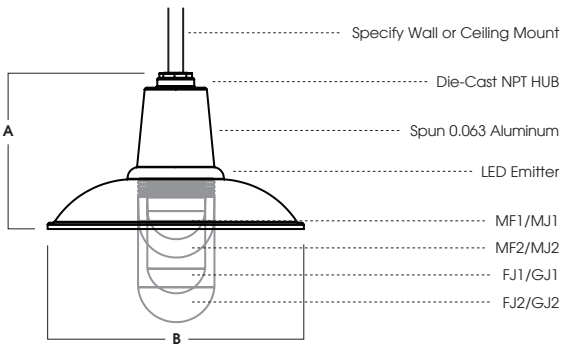
LW LED system features high brightness white Nichia LED's. 3 step MacAdam Ellipse binning. Standard CRI: 85+. Higher CRI, R9 and custom LED configurations are available; consult factory. Choice of electronic 120V/277V and dimming drivers.

##### 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.



Dimensioned with SW1509LW

SERIES	A	B
SW1509LW	8.0	14.5
SW1910LW	9.1	18.7

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

SERIES	LUMENS <sup>1</sup>	CCT	DRIVER / DIMMING <sup>2</sup>	ACCESSORIES <sup>3</sup>	MOUNTING <sup>5</sup>	INTERIOR	FINISH
SW1509LW	10L 1000 Lm	30K 3000K	EX Electronic Driver, 120V/277V	10L MAX	WALL MOUNT	MW <sup>10</sup> White	GW Gloss White
SW1910LW	20L 2000 Lm	35K 3500K	DS10X 10%, 0-10V, 120V/277V	MF1 <sup>4</sup> 3"x3" Frosted Glass MJ1 3"x3" Clear Glass FJ1 <sup>4</sup> 3"x6.5" Frosted Glass GJ1 3"x6.5" Clear Glass	CP104 <sup>6</sup> Small Driver Canopy CP104KO <sup>6</sup> Canopy with 4 Feed Holes CP6/RMD Remote Driver Canopy PA <sup>7</sup> Mounting Arm Style	MBI Black PTI Platinum SNI Sun Gold GAI Galvanized ORI Orange YLI Yellow BLI Blue GRI Green RDI Red CCI <sup>10</sup> Custom Color FCI Fixture Color Interior	MW Matte White MB Matte Black BZ Bronze PT Platinum Silver GA Galvanized CH Charcoal SN Sun Gold EG Evergreen BL Blue Streak AY Aero Yellow RB Red Baron CO Copper Metallic CC <sup>10</sup> Custom Color
		40K 4000K 50K 5000K	DS2W1 1%, ELV/MLV 120V	20L MAX	CEILING MOUNT		
				MF2 <sup>4</sup> 4"x4" Frosted Glass MJ2 4"x4" Clear Glass FJ2 <sup>4</sup> 4"x8" Frosted Glass GJ2 4"x8" Clear Glass	RDC5 <sup>6</sup> Small Driver Canopy HM <sup>8</sup> Hang Straight PM <sup>8</sup> Rigid Pendant Mount		

**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

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.



PROJECT:	TYPE:
CAT. NO.:	

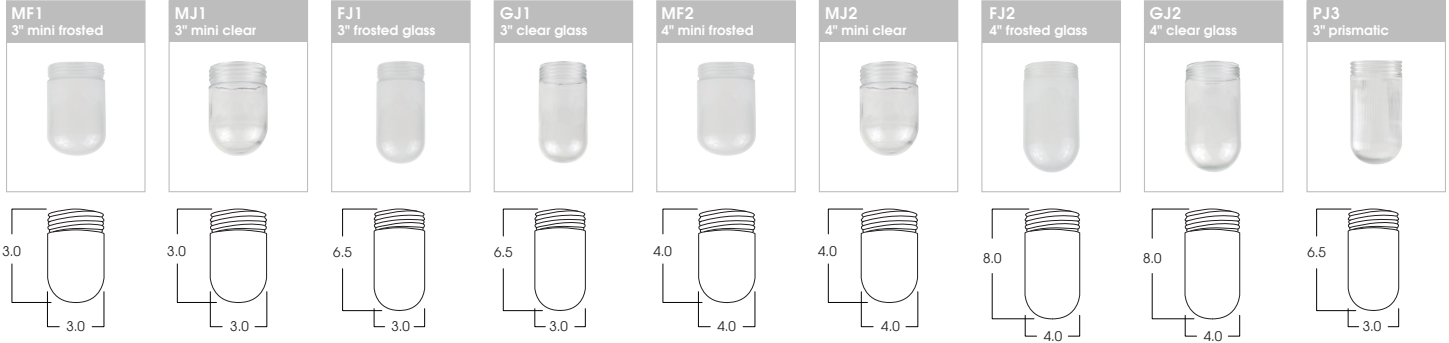
WWW.SPECLIGHT.COM • 994 JEFFERSON STREET, FALL RIVER, MA 02721 • 508.678.2303 FAX 508.678.2260



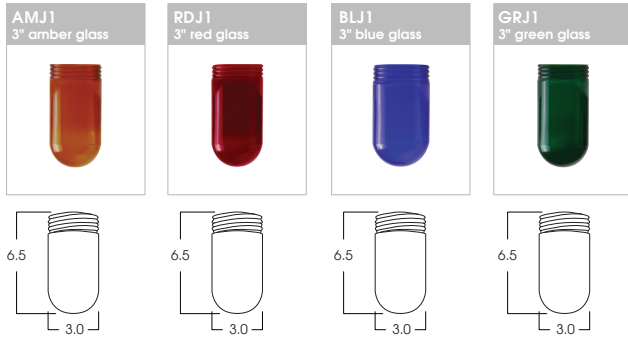


SOME OPTIONS NOT AVAILABLE ON ALL FIXTURES. CONSULT SPECIFICATION SHEETS. PLEASE SPECIFY ENCLOSURE WHEN ORDERING FIXTURES.  
NOTE: FROSTED JAR PRODUCES BEST RESULTS WITH LED FIXTURES

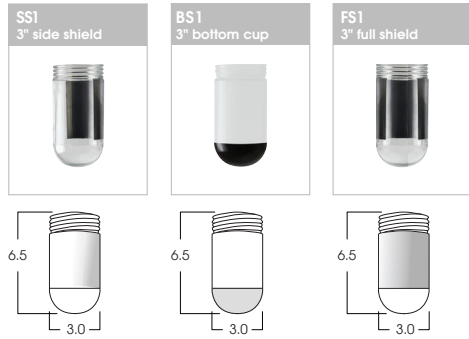
**ENCLOSURES**



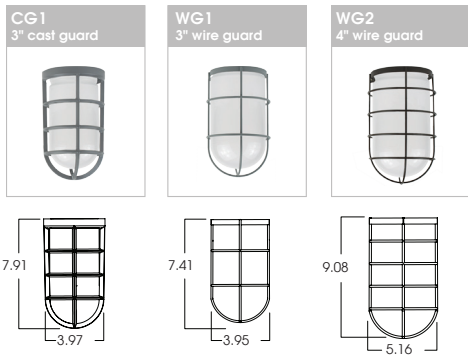
**COLOR ENCLOSURES**



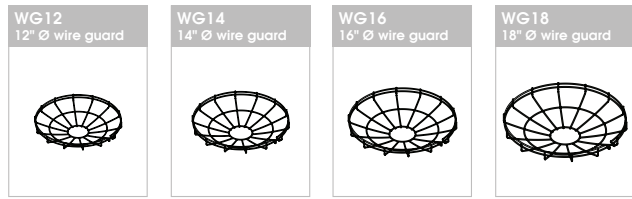
**ENCLOSURES WITH SHIELDS**



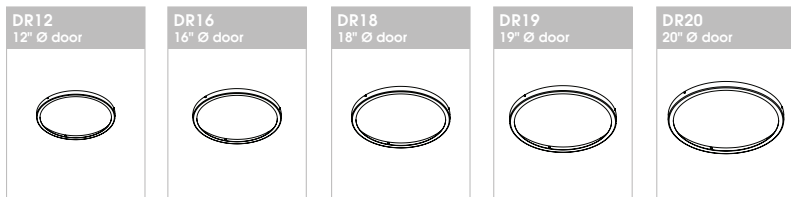
**ENCLOSURE WIRE GUARDS**



**FIXTURE WIRE GUARDS**



**DOORS**



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

**PROJECT:** \_\_\_\_\_ **TYPE:** \_\_\_\_\_

**CAT. NO.:** \_\_\_\_\_

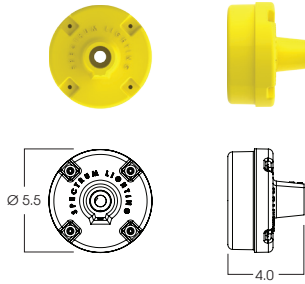




SOME OPTIONS NOT AVAILABLE ON ALL FIXTURES. CONSULT SPECIFICATION SHEETS. SEE INDIVIDUAL SPECIFICATION SHEETS OR CONSULT FACTORY FOR ADDITIONAL INFORMATION.  
NOTE: THIS IS TYPICAL OF RLM SPECIFICATION FOR WALL MOUNTING. INDIVIDUAL FIXTURES OR PROJECTS MAY HAVE SPECIALIZED REQUIREMENTS.

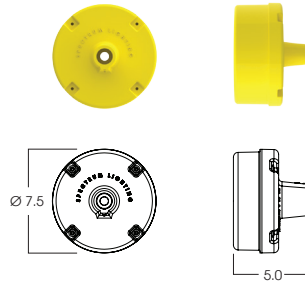
**WALL MOUNT CANOPIES**

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

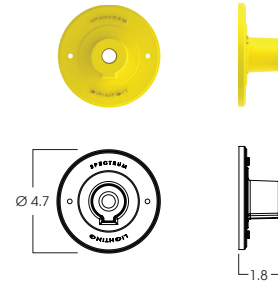


**CP104KO & CP106KO**  
SMALL OR LARGE CANOPY WITH 4 THREADED FEED HOLES FOR 1/2" TRADE SIZE CONDUIT  
(CONSULT FACTORY FOR LOCATIONS. BACK CENTER KNOCK OUT STANDARD)

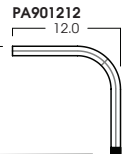
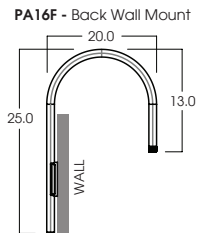
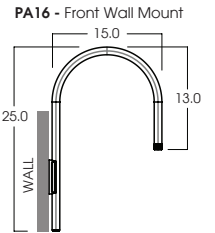
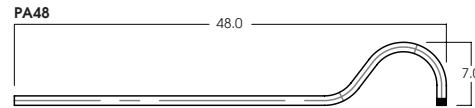
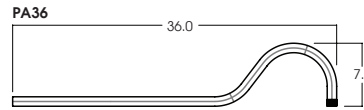
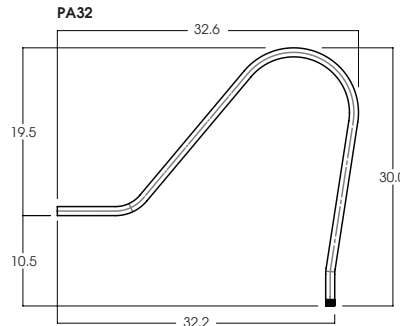
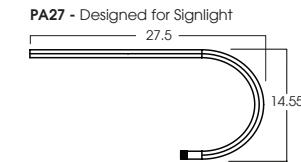
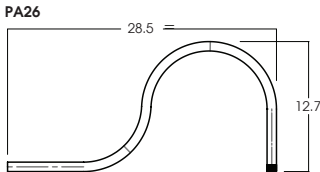
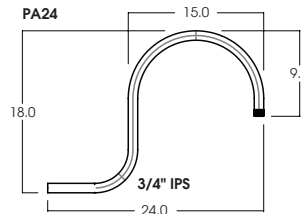
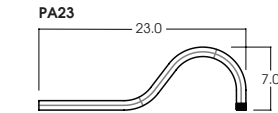
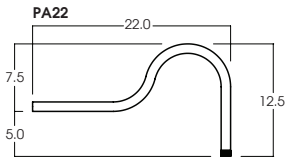
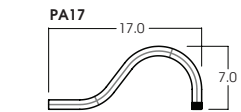
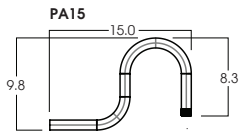
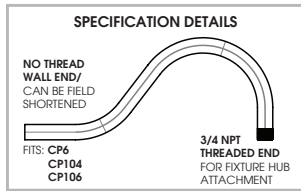
**CP106** - LARGE DRIVER CANOPY, MAY BE USED AS SPLICE BOX FOR DIRECT FEED



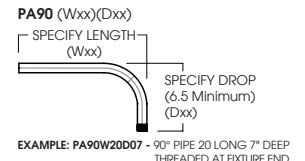
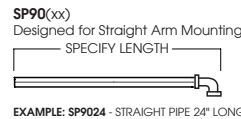
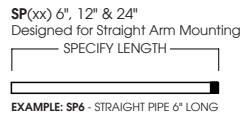
**CP6/RMD** - REMOTE MOUNT DRIVER, MOUNTS DIRECTLY TO WALL OR OCTAGON STYLE J-BOX



**WALL MOUNTING PIPES**



**CUSTOMIZED WALL MOUNTING PIPES**



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.

<b>PROJECT:</b>	<b>TYPE:</b>
<b>CAT. NO.:</b>	

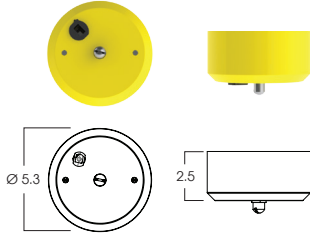




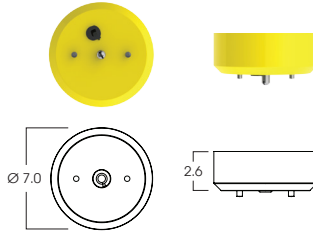
SOME OPTIONS NOT AVAILABLE ON ALL FIXTURES, CONSULT SPECIFICATION SHEETS. SEE INDIVIDUAL SPECIFICATION SHEETS OR CONSULT FACTORY FOR ADDITIONAL INFORMATION. NOTE: THIS IS TYPICAL OF RLM SPECIFICATION FOR CEILING MOUNTING. INDIVIDUAL FIXTURES OR PROJECTS MAY HAVE SPECIALIZED REQUIREMENTS.

**CEILING MOUNT CANOPIES - CANOPIES MOUNT TO OCTAGON STYLE J-BOX**

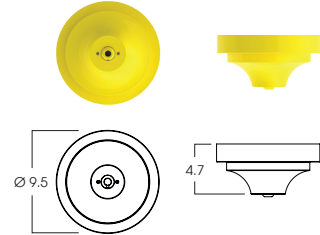
**RDC5** - SMALL DRIVER CANOPY  
(STANDARD)



**CP13** - LARGE DRIVER CANOPY

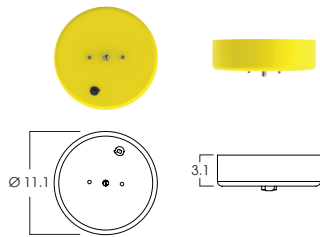


**DC9** - DECORATIVE DRIVER CANOPY

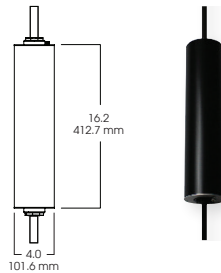


**EMERGENCY BATTERY OPTIONS**

**EMCP7W** - 7W CANOPY MOUNTED EM  
(FOR ALL CEILING MOUNT TYPES)



**EMLN7W** - 7W IN-LINE EM  
(FOR HM, HMAT, AND PM OPTIONS)



**REMOTE EMERGENCY BATTERY OPTIONS**

**EMRM7W** - 7W REMOTE EM  
(UP TO 12W, 50' MAX)

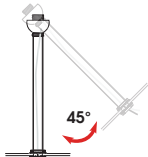
ENCLOSURE	A	B	C
EMRM5W	1.5	9.0	9.5
EMRM7W	1.3	12.6	13.0
EMRM12W	1.3	12.8	13.3

**EMEN7W** - 7W REMOTE WITH ENCLOSURE  
(UP TO 12W, 50' MAX)

ENCLOSURE	A	B	C
EMEN5W	2.0	17.0	6.2
EMEN7W	2.0	17.0	6.2
EMEN12W	2.0	17.0	6.2

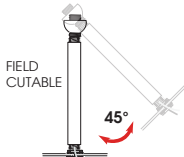
**MOUNTING TYPES**

**HM\***  
HANG STRAIGHT  
45° SWIVEL 1/2" STEM - 3/8" NPT

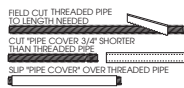


ORDER: **HM** (Length)  
SPECIFY LENGTH:  
**HM3** - 3"    **HM24** - 24"  
**HM6** - 6"    **HM36** - 36"  
**HM12** - 12"    **HM48** - 48"  
**HM18** - 18"    **HM72** - 72"  
**HMLC(XX)**  
Custom Length  
(Specify in Inches)

**HMAT\***  
HANG STRAIGHT ALL THREAD  
45° SWIVEL 1/2" STEM - 1/4" IP



ORDER: **HMAT** (Length)  
SPECIFY LENGTH:  
**HMAT12** - 12"  
**HMAT24** - 24"  
**HMAT36** - 36"  
**HMAT48** - 48"  
**HMAT72** - 72"  
**HMATLC(XX)**  
Custom Length  
(Specify in Inches)



**PM\***  
RIDGID PENDANT MOUNT  
RIGID 1/2" STEM - 3/8" NPT



ORDER: **PM** (Length)  
SPECIFY LENGTH:  
**PM3** - 3"    **PM24** - 24"  
**PM6** - 6"    **PM36** - 36"  
**PM12** - 12"    **PM48** - 48"  
**PM18** - 18"    **PM72** - 72"  
**PMLLC(XX)**  
Custom Length  
(Specify in Inches)

**HC**  
HOOK / CORD  
OPTIONAL PLUG



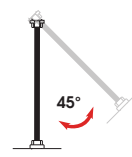
ORDER: **HCP** (Length)  
SPECIFY LENGTH:  
**HC36** - 36"  
**HC72** - 72"  
**HC144** - 144"  
**HCLC(XX)**  
Custom Length  
(Specify in Inches)  
**PLUG**  
**LP120**-120V Twist Lock  
**LP277**-277V Twist Lock

**CD**  
CORD / CABLE MOUNT  
SJ CORD WITH 1/16 SS CABLE



ORDER: **CD** (Length)  
SPECIFY LENGTH:  
**CD36** - 36"  
**CD72** - 72"  
**CD144** - 144"  
**CDLC(XX)**  
Custom Length  
(Specify in Inches)

**CM**  
CORD MOUNT  
SJ CORD WITH STRAIN RELIEF



ORDER: **CM** (Length)  
SPECIFY LENGTH:  
**CM36** - 36"  
**CM72** - 72"  
**CM144** - 144"  
**CMLC(XX)**  
Custom Length  
(Specify in Inches)

**CHN**  
CHAIN MOUNT  
SJ CORD / DECORATIVE CHAIN



ORDER: **CHN** (Length)  
SPECIFY LENGTH:  
**CHN36** - 36"  
**CHN72** - 72"  
**CHN144** - 144"  
**CHNLC(XX)**  
Custom Length  
(Specify in Inches)

\*MAXIMUM ONE PIECE STEM LENGTH IS 72". LONGER LENGTHS ARE POSSIBLE USING MULTIPLE STEMS AND COUPLERS.

**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.

**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.

**PROJECT:** \_\_\_\_\_ **TYPE:** \_\_\_\_\_

**CAT. NO.:** \_\_\_\_\_





# RIALTA® 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 LEDES	COLOR TEMP K	DISTRIBUTION TYPE	DRIVER	LENS	CONTROLS	DUAL FUSE & HOLDER	COLOR	
BL	Post Top Mounted Luminaire	36	26L	27(00) K	T2	MDL03	CA	OPTIONS		UGMT	UGM
		42		35(00) K	T3	MDL05	SV2	PEC	FHD	UBT	UB
		48		45(00) K	T3R	MDH03		PEC4		ULBT	ULB
					T4	MDH05				USLT	USL
					T5					UWHT	UWH
										UCHS	BKT

BL = 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

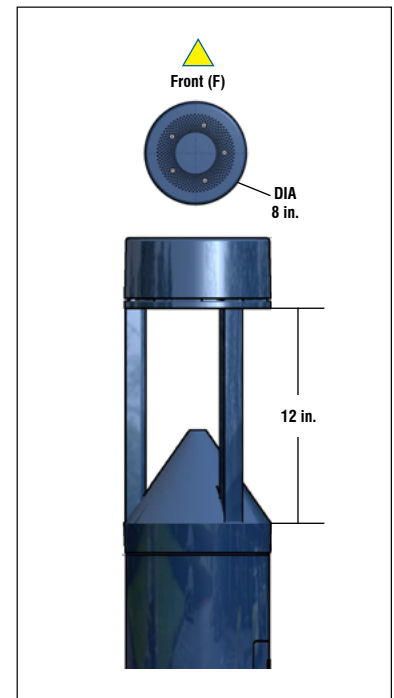
### Lens:

- 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

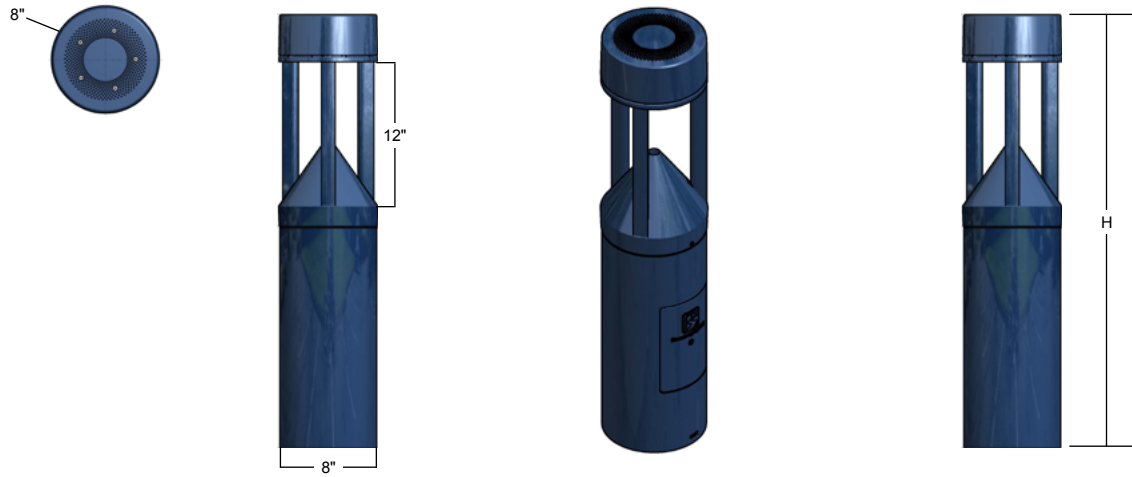
### Distribution Orientation:



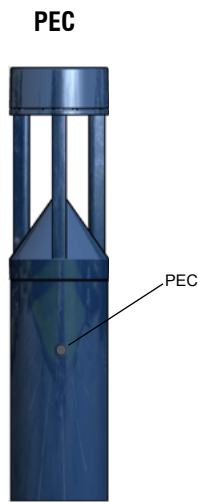
## Performance

MODEL #	T3 DELIVERED LUMENS	EFFICACY (LPW)	T3R DELIVERED LUMENS	EFFICACY (LPW)	T4 DELIVERED LUMENS	EFFICACY (LPW)	T5 DELIVERED LUMENS	EFFICACY (LPW)	WATTAGE
RT436CA-26L27T_-MD_03	1995	64.5	2130	68.8	2160	69.7	2095	67.6	31
RT436CA-26L35T_-MD_03	2280	73.6	2430	78.5	2465	79.6	2390	77.1	31
RT436CA-26L45T_-MD_03	2560	82.6	2735	88.2	2770	89.4	2685	86.7	31
RT436CA-26L27T_-MD_05	2825	60.2	3010	64.0	2955	62.9	2980	63.4	47
RT436CA-26L35T_-MD_05	3225	68.7	3435	73.1	3375	71.8	3400	72.4	47
RT436CA-26L45T_-MD_05	3625	77.1	3855	82.1	3790	80.7	3820	81.3	47

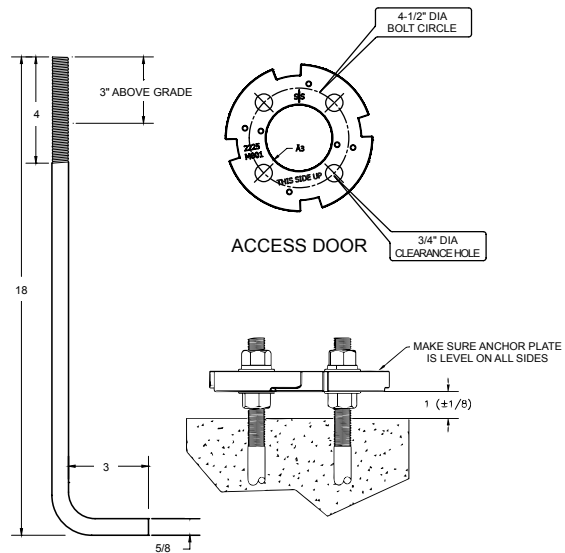
## Product Dimensions and Features



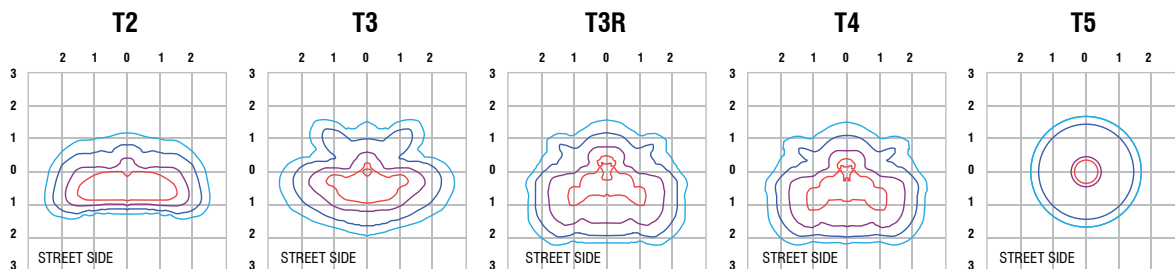
## Options



## Bolt Circle



## ISO Footcandle Plots



All published luminaire photometric testing performed to IESNA LM-79 standards by NVLAP, certified laboratory. ISO footcandle plots demonstrate the RIALTA'S light patterns only. Not for total fixture output. For complete specifications and IES files, see website.





# SHORT WAREHOUSE SHADE

## 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

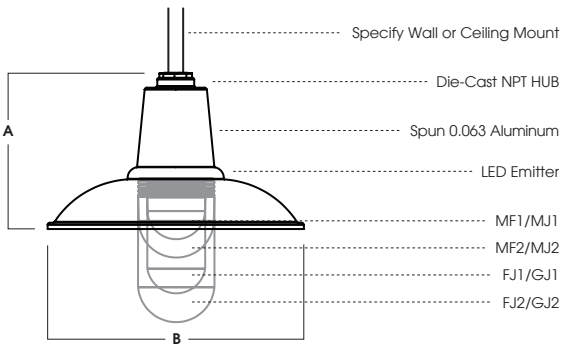
LW LED system features high brightness white Nichia LED's. 3 step MacAdam Ellipse binning. Standard CRI: 85+. Higher CRI, R9 and custom LED configurations are available; consult factory. Choice of electronic 120V/277V and dimming drivers.

#### 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.



Dimensioned with SW1509LW

SERIES	A	B
SW1509LW	8.0	14.5
SW1910LW	9.1	18.7

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

SERIES	LUMENS <sup>1</sup>	CCT	DRIVER / DIMMING <sup>2</sup>	ACCESSORIES <sup>3</sup>	MOUNTING <sup>5</sup>	INTERIOR	FINISH
SW1509LW	10L 1000 Lm	30K 3000K	EX Electronic Driver, 120V/277V	10L MAX	WALL MOUNT	MW <sup>10</sup> White	GW Gloss White
SW1910LW	20L 2000 Lm	35K 3500K	DS10X 10%, 0-10V, 120V/277V	MF1 <sup>4</sup> 3"x3" Frosted Glass MJ1 3"x3" Clear Glass FJ1 <sup>4</sup> 3"x6.5" Frosted Glass GJ1 3"x6.5" Clear Glass	CP104 <sup>6</sup> Small Driver Canopy CP104KO <sup>6</sup> Canopy with 4 Feed Holes CP6/RMD Remote Driver Canopy PA <sup>7</sup> Mounting Arm Style	MBI Black PTI Platinum SNI Sun Gold GAI Galvanized ORI Orange YLI Yellow BLI Blue GRI Green RDI Red CCI <sup>10</sup> Custom Color FCI Fixture Color Interior	MW Matte White MB Matte Black BZ Bronze PT Platinum Silver GA Galvanized CH Charcoal SN Sun Gold EG Evergreen BL Blue Streak AY Aero Yellow RB Red Baron CO Copper Metallic CC <sup>10</sup> Custom Color
		40K 4000K 50K 5000K	DS2W1 1%, ELV/MLV 120V	20L MAX	CEILING MOUNT		
				MF2 <sup>4</sup> 4"x4" Frosted Glass MJ2 4"x4" Clear Glass FJ2 <sup>4</sup> 4"x8" Frosted Glass GJ2 4"x8" Clear Glass	RDC5 <sup>6</sup> Small Driver Canopy HM <sup>8</sup> Hang Straight PM <sup>8</sup> Rigid Pendant Mount		

**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

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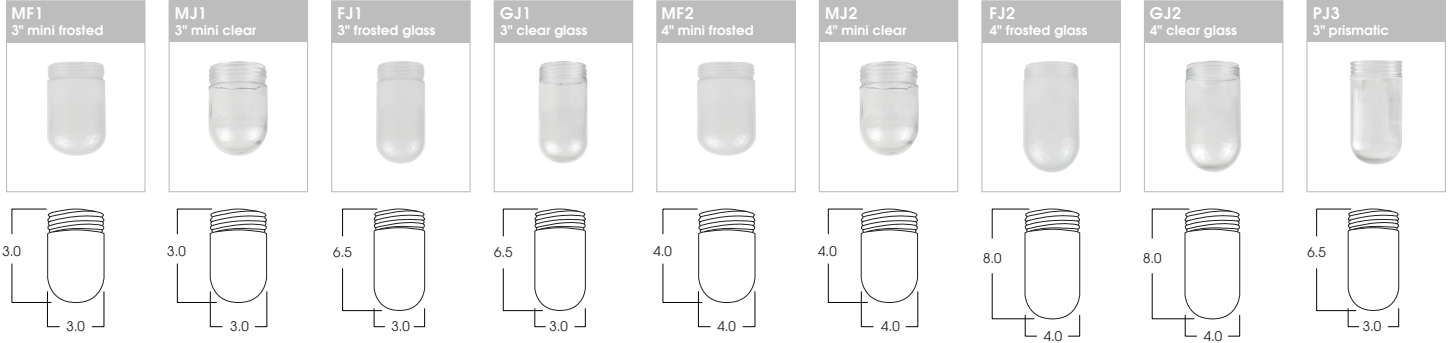
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<b>CAT. NO.:</b>	



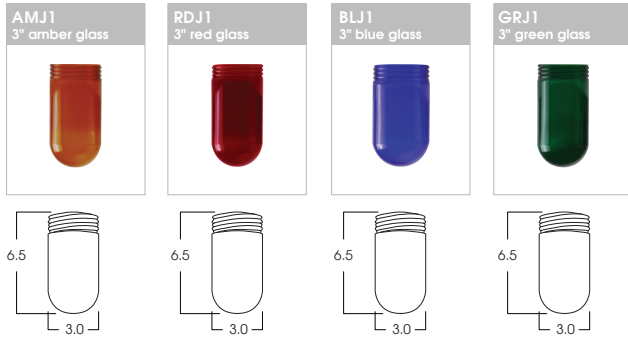


SOME OPTIONS NOT AVAILABLE ON ALL FIXTURES. CONSULT SPECIFICATION SHEETS. PLEASE SPECIFY ENCLOSURE WHEN ORDERING FIXTURES.  
NOTE: FROSTED JAR PRODUCES BEST RESULTS WITH LED FIXTURES

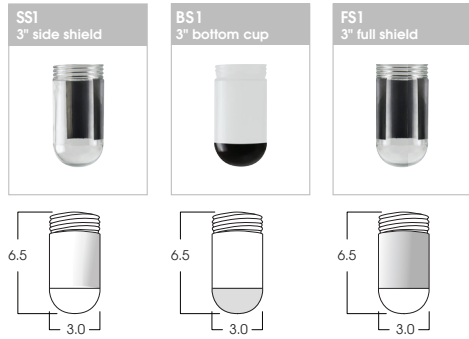
**ENCLOSURES**



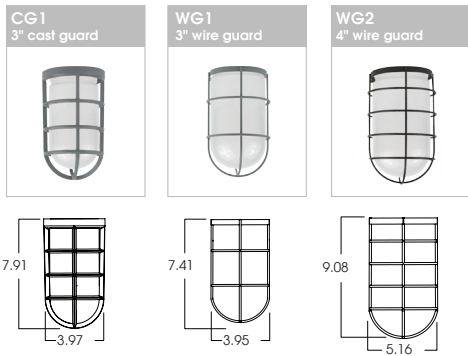
**COLOR ENCLOSURES**



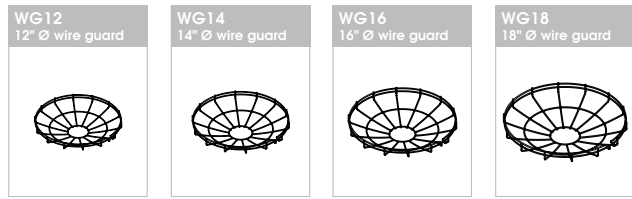
**ENCLOSURES WITH SHIELDS**



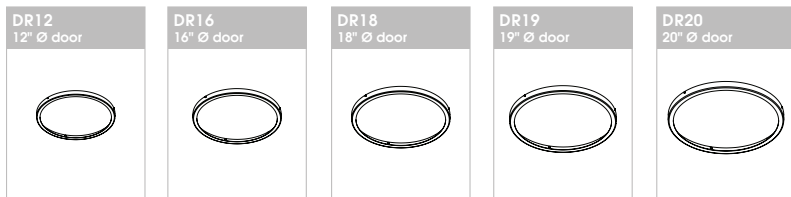
**ENCLOSURE WIRE GUARDS**



**FIXTURE WIRE GUARDS**



**DOORS**



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

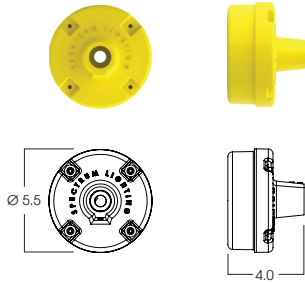
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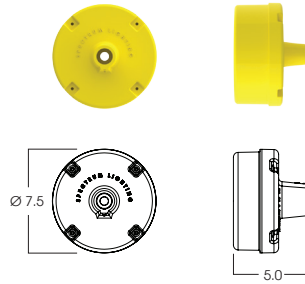
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NOTE: THIS IS TYPICAL OF RLM SPECIFICATION FOR WALL MOUNTING. INDIVIDUAL FIXTURES OR PROJECTS MAY HAVE SPECIALIZED REQUIREMENTS.

**WALL MOUNT CANOPIES**

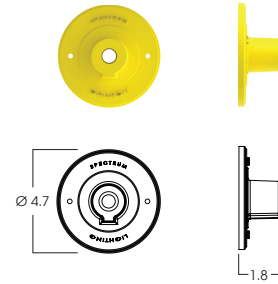
**CP104** - SMALL DRIVER CANOPY (STANDARD); MAY BE USED AS SPLICE BOX FOR DIRECT FEED



**CP106** - LARGE DRIVER CANOPY, MAY BE USED AS SPLICE BOX FOR DIRECT FEED



**CP6/RMD** - REMOTE MOUNT DRIVER, MOUNTS DIRECTLY TO WALL OR OCTAGON STYLE J-BOX



**CP104KO & CP106KO**  
SMALL OR LARGE CANOPY WITH 4 THREADED FEED HOLES FOR 1/2" TRADE SIZE CONDUIT  
(CONSULT FACTORY FOR LOCATIONS. BACK CENTER KNOCK OUT STANDARD)

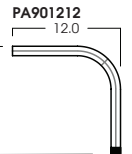
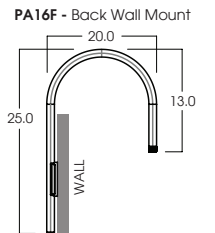
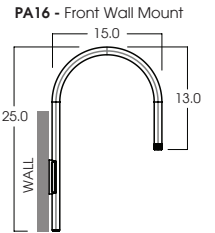
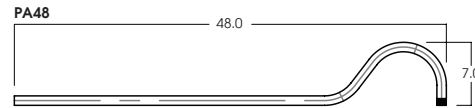
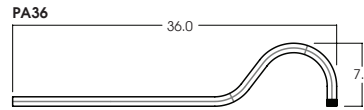
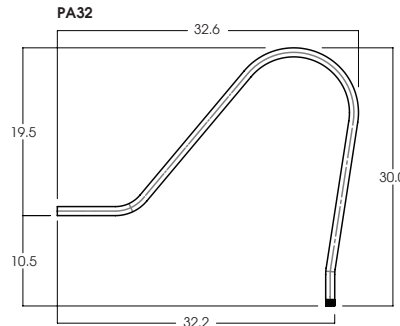
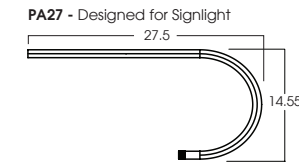
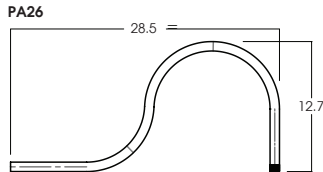
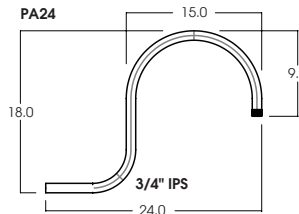
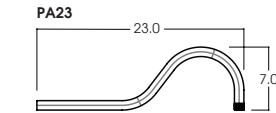
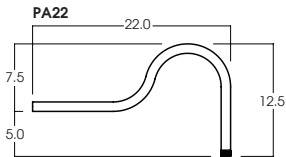
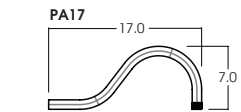
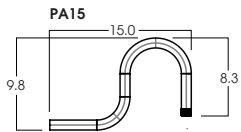
**WALL MOUNTING PIPES**

**SPECIFICATION DETAILS**

NO THREAD WALL END/  
CAN BE FIELD SHORTENED

FITS: CP6  
CP104  
CP106

3/4 NPT  
THREADED END  
FOR FIXTURE HUB  
ATTACHMENT



**CUSTOMIZED WALL MOUNTING PIPES**

**PA23(xx)**

EXAMPLE: PA2330 - 30" PA23

**SP(xx) 6", 12" & 24"**  
Designed for Straight Arm Mounting

EXAMPLE: SP6 - STRAIGHT PIPE 6" LONG

**SP90(xx)**  
Designed for Straight Arm Mounting

EXAMPLE: SP9024 - STRAIGHT PIPE 24" LONG

**PA90 (Wxx)(Dxx)**  
Designed for Straight Arm Mounting

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.

<b>PROJECT:</b>	<b>TYPE:</b>
<b>CAT. NO.:</b>	

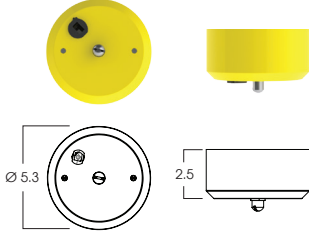




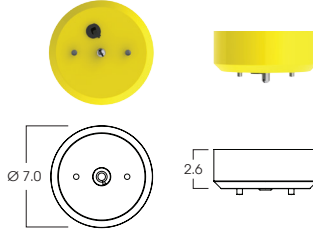
SOME OPTIONS NOT AVAILABLE ON ALL FIXTURES, CONSULT SPECIFICATION SHEETS. SEE INDIVIDUAL SPECIFICATION SHEETS OR CONSULT FACTORY FOR ADDITIONAL INFORMATION. NOTE: THIS IS TYPICAL OF RLM SPECIFICATION FOR CEILING MOUNTING. INDIVIDUAL FIXTURES OR PROJECTS MAY HAVE SPECIALIZED REQUIREMENTS.

**CEILING MOUNT CANOPIES - CANOPIES MOUNT TO OCTAGON STYLE J-BOX**

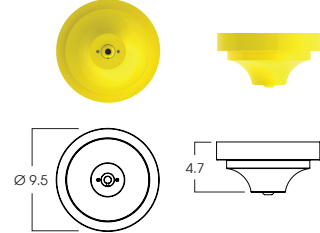
**RDC5** - SMALL DRIVER CANOPY  
(STANDARD)



**CP13** - LARGE DRIVER CANOPY

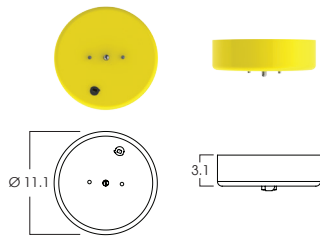


**DC9** - DECORATIVE DRIVER CANOPY

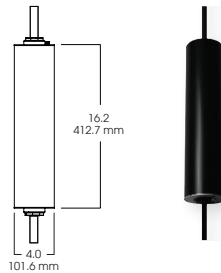


**EMERGENCY BATTERY OPTIONS**

**EMCP7W** - 7W CANOPY MOUNTED EM  
(FOR ALL CEILING MOUNT TYPES)



**EMLN7W** - 7W IN-LINE EM  
(FOR HM, HMAT, AND PM OPTIONS)



**REMOTE EMERGENCY BATTERY OPTIONS**

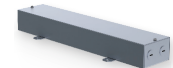
**EMRM7W** - 7W REMOTE EM  
(UP TO 12W, 50' MAX)

ENCLOSURE	A	B	C
EMRM5W	1.5	9.0	9.5
EMRM7W	1.3	12.6	13.0
EMRM12W	1.3	12.8	13.3



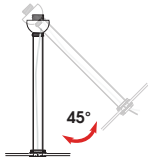
**EMEN7W** - 7W REMOTE WITH ENCLOSURE  
(UP TO 12W, 50' MAX)

ENCLOSURE	A	B	C
EMEN5W	2.0	17.0	6.2
EMEN7W	2.0	17.0	6.2
EMEN12W	2.0	17.0	6.2



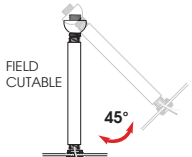
**MOUNTING TYPES**

**HM\***  
HANG STRAIGHT  
45° SWIVEL 1/2" STEM - 3/8" NPT

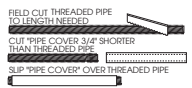


ORDER: **HM** (Length)  
SPECIFY LENGTH:  
**HM3** - 3"    **HM24** - 24"  
**HM6** - 6"    **HM36** - 36"  
**HM12** - 12"    **HM48** - 48"  
**HM18** - 18"    **HM72** - 72"  
**HMLC(XX)**  
Custom Length  
(Specify in Inches)

**HMAT\***  
HANG STRAIGHT ALL THREAD  
45° SWIVEL 1/2" STEM - 1/4" IP



ORDER: **HMAT** (Length)  
SPECIFY LENGTH:  
**HMAT12** - 12"  
**HMAT24** - 24"  
**HMAT36** - 36"  
**HMAT48** - 48"  
**HMAT72** - 72"  
**HMATLC(XX)**  
Custom Length  
(Specify in Inches)



**PM\***  
RIGID PENDANT MOUNT  
RIGID 1/2" STEM - 3/8" NPT



ORDER: **PM** (Length)  
SPECIFY LENGTH:  
**PM3** - 3"    **PM24** - 24"  
**PM6** - 6"    **PM36** - 36"  
**PM12** - 12"    **PM48** - 48"  
**PM18** - 18"    **PM72** - 72"  
**PMLLC(XX)**  
Custom Length  
(Specify in Inches)

**HC**  
HOOK / CORD  
OPTIONAL PLUG



ORDER: **HCP** (Length)  
SPECIFY LENGTH:  
**HC36** - 36"  
**HC72** - 72"  
**HC144** - 144"  
**HCLC(XX)**  
Custom Length  
(Specify in Inches)

**PLUG**  
**LP120**-120V Twist Lock  
**LP277**-277V Twist Lock

**CD**  
CORD / CABLE MOUNT  
SJ CORD WITH 1/16 SS CABLE



ORDER: **CD** (Length)  
SPECIFY LENGTH:  
**CD36** - 36"  
**CD72** - 72"  
**CD144** - 144"  
**CDLC(XX)**  
Custom Length  
(Specify in Inches)

**CM**  
CORD MOUNT  
SJ CORD WITH STRAIN RELIEF



ORDER: **CM** (Length)  
SPECIFY LENGTH:  
**CM36** - 36"  
**CM72** - 72"  
**CM144** - 144"  
**CMLC(XX)**  
Custom Length  
(Specify in Inches)

**CHN**  
CHAIN MOUNT  
SJ CORD / DECORATIVE CHAIN



ORDER: **CHN** (Length)  
SPECIFY LENGTH:  
**CHN36** - 36"  
**CHN72** - 72"  
**CHN144** - 144"  
**CHNLC(XX)**  
Custom Length  
(Specify in Inches)

\*MAXIMUM ONE PIECE STEM LENGTH IS 72". LONGER LENGTHS ARE POSSIBLE USING MULTIPLE STEMS AND COUPLERS.

**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.

**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

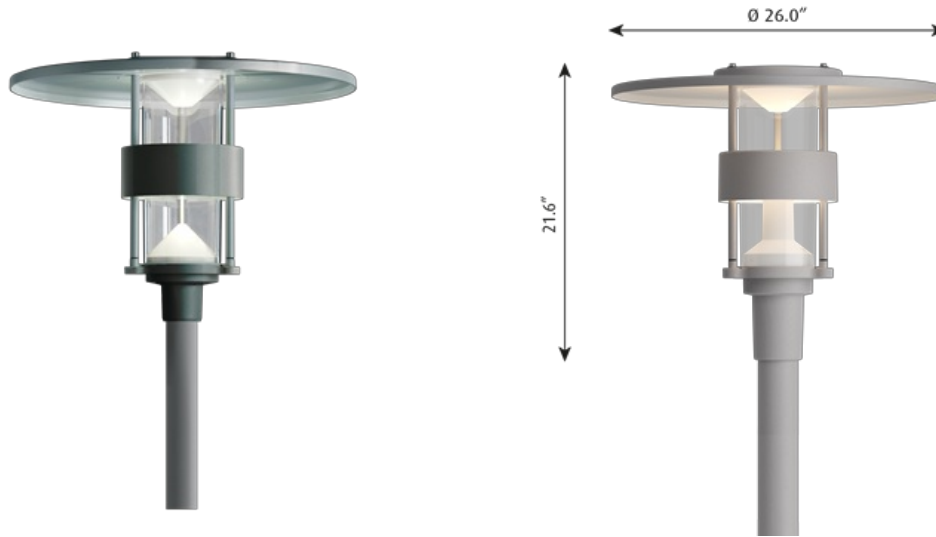
Dimensions and values shown are nominal. Spectrum Lighting continually works to improve products and reserves the right to make changes which may alter the performance or appearance of products.

**PROJECT:** \_\_\_\_\_ **TYPE:** \_\_\_\_\_

**CAT. NO.:** \_\_\_\_\_



# 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") thickness 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.

Driver inside the fixture head.

## Weight

Min: 22 lbs Max: 22 lbs

## Finish

Graph, Grey, Nat paint alu, Wht

**Voltage**  
120-277V/60HZ

**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 specifications for Photo Sensor and Wireless Control options.

**Light source**

Light source 57W LED/3000K

<b>Light source</b>	<b>Voltage frequency</b>	<b>Color</b>	<b>Class</b>	<b>Transition to pole</b>	<b>Lighting control</b>	<b>Variant number</b>
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	I/II	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





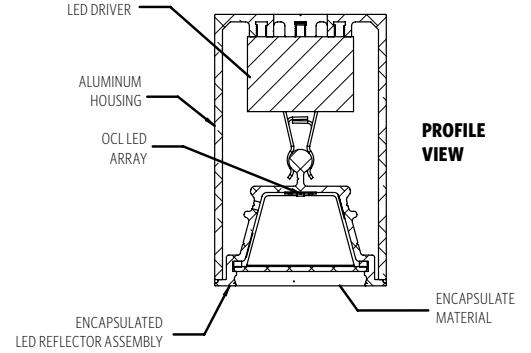
Custom configuration shown

# Skyline™

CEILING / WALL / RECESSED

**FEATURES**


- 2.75" WIDE OUTDOOR ENCAPSULATED LINEAR FIXTURE
- ETL LISTED WET LOCATION
- IP66 RATED
- 750 L/FT (LED1); 1000 L/FT (LED2)
- INTEGRAL DRIVER
- SIMPLE, LINEAR PROFILE CAN BE CONNECTED TO CREATE LONG, CONTINUOUS RUNS
- CUSTOM LENGTHS AND CORNERS AVAILABLE



**CATALOG CODES**

<b>SK1</b>	-	<b>B</b>	-	<b>C</b>	-	<b>GW</b>	-	<b>E</b>	-	<b>f</b>	-	<b>UNV</b>	-	<b>DMO</b>	-	<b>I</b>
SERIES		HANGING SYSTEM		SIZE		DIFFUSER		FINISH		LIGHT SOURCE		VOLTAGE		CONTROL		OPTIONS

**SPECIFY CATALOG CODE**

A	B	C	D	E
SERIES	HANGING SYSTEM	SIZE	DIFFUSER	FINISH
 <b>SK1</b>	<b>C10A</b> OUTDOOR SURFACE CEILING MOUNT	<b>24</b>	<b>GW</b> GLOSS WHITE	<b>POWDER COAT FINISHES</b> <b>AWP</b> AUTUMN WHITE <b>HEP</b> HENNA <b>BEP</b> BEIGE <b>KAP</b> KHAKI <b>BKP</b> BLACK <b>LBP</b> LIGHT BRONZE <b>BLP</b> BLUE <b>MWP</b> MATTE WHITE <b>BMP</b> BRASS METALLIC <b>RHP</b> RESEDA HAMMERTONE <b>BNP</b> BRONZE <b>SAP</b> SAGE GREEN <b>BTP</b> BLACK TEXTURED <b>SGP</b> STEEL GRAY <b>CHP</b> COPPER HAMMERTONE <b>SHP</b> SILVER HAMMERTONE <b>CMP</b> COPPER METALLIC <b>SMP</b> SILVER METALLIC <b>DBP</b> DENIM BLUE <b>SRP</b> STORM GRAY <b>GRP</b> GRAPHITE <b>SWP</b> SKY WHITE <b>GTP</b> GRAY TEXTURED <b>WTP</b> WHITE TEXTURED
	<b>O10A***</b> OUTDOOR ADA-COMPLIANT SCNCE	<b>36</b>		
	<b>C10B</b> OUTDOOR RECESSED CEILING MOUNT	<b>48</b>		
	<b>O10C</b> OUTDOOR RECESSED SCNCE	<b>60</b>		
		<b>72*</b>		
	<b>84*</b>			
	<b>96*</b>			
	<b>XX**</b>			
<b>NOTE:</b> FIXTURE CANNOT BE INSTALLED WITH REFLECTOR ASSEMBLY FACING UPWARD.				
F	G	H	I	
LIGHT SOURCE	VOLTAGE	CONTROL	OPTIONS	
<b>LED OUTPUT</b> <b>LED1</b> <b>LED2</b>	<b>COLOR TEMP</b> <b>27K</b> <b>30K</b> <b>35K</b> <b>40K</b>	<b>UNV</b> 120-277 <b>DMO</b> 0-10V DIMMING 10%	<b>VSF</b> VISIBLE FLANGE OPTION FOR C10B AND O10C MOUNTING TYPES ONLY <b>SPF</b> SPACKLE FLANGE OPTION FOR C10B AND O10C MOUNTING TYPES ONLY <b>IJC</b> ILLUMINATED CORNERS <b>MOD</b> MODIFIED LUMINAIRE (CONTACT LOCAL REP)	

**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

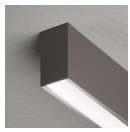
UP TO **72** LM/W

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

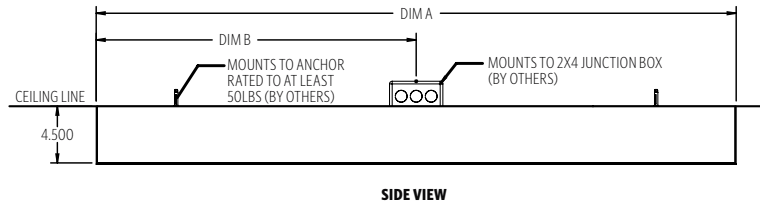
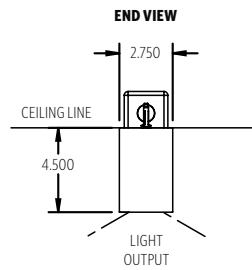
This chart was created for a 35K color temp. Multiply by 0.95 for 27k color temp, 0.97 for 30k color temp, and 1.03 for 40k color temp.

**MODS, NOTES, & COMMENTS**

**HANGING SYSTEM**



**C10A** OUTDOOR SURFACE CEILING MOUNT

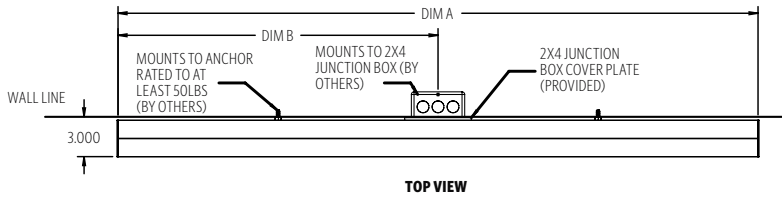
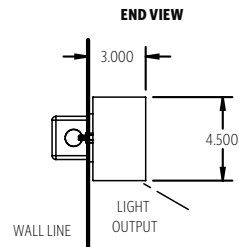


MOUNTING INFORMATION CHART	
DIM A	DIM B
24"	12"
36"	18"
48"	24"
60"	30"
72"	36"
84"	42"
96"	48"

\* Fixtures over 60" will have multiple reflectors  
 \*\* All dims in inches; tolerance on dimensions are +/- .0625" per section  
 Fixture weight — 6 lbs per linear foot



**O10A** OUTDOOR ADA-COMPLIANT SCONCE  
**NOTE:** ONLY AVAILABLE IN DOWNWARD ORIENTATION

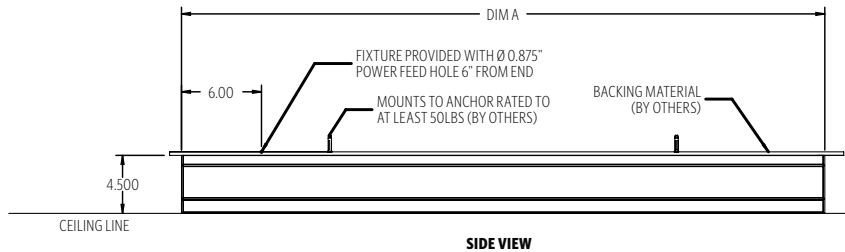
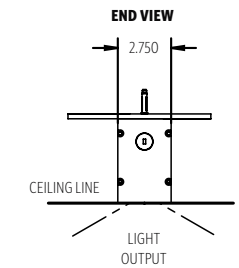


MOUNTING INFORMATION CHART	
DIM A	DIM B
24"	12"
36"	18"
48"	24"
60"	30"
72"	36"
84"	42"
96"	48"

\* Fixtures over 60" will have multiple reflectors  
 \*\* All dims in inches; tolerance on dimensions are +/- .0625" per section  
 Fixture weight — 6 lbs per linear foot



**C10B** OUTDOOR RECESSED CEILING MOUNT  
**NOTE:** PHOTO SHOWS VSF FLANGE OPTION

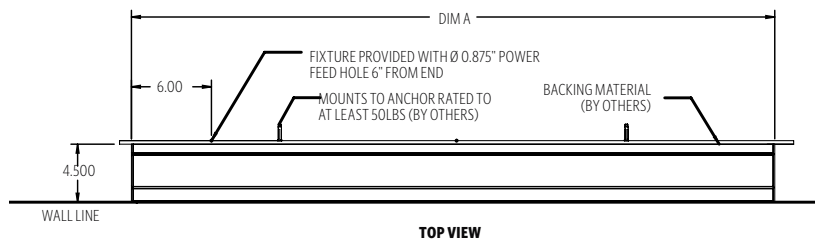
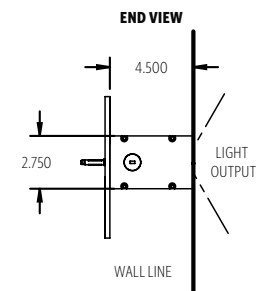


MOUNTING INFORMATION CHART		
DIM A	HOLE CUT INTO CEILING LENGTH**	HOLE CUT INTO CEILING WIDTH**
24"	24.25"	3"
36"	36.25"	3"
48"	48.25"	3"
60"	60.25"	3"
72"	72.25"	3"
84"	84.25"	3"
96"	96.25"	3"

\* Fixtures over 60" will have multiple reflectors  
 \*\* All dims in inches; tolerance on dimensions are +/- .0625" per section; see page 4 for VSF & SPF option widths  
 Fixture weight - 6 lbs per linear foot



**O10C** RECESSED OUTDOOR SCONCE  
**NOTE:** PHOTO SHOWS VSF FLANGE OPTION



**DIFFUSER**



- URETHANE OPTIC MINIMIZES DEBRIS AND WATER ACCUMULATION
- ENCAPSULATED SEALING PROCESS ELIMINATES GASKETS AND MINIMIZES END TO END SHADOWING
- FULLY ILLUMINATED CORNERS AVAILABLE (IJC OPTION)

**DIFFUSER**

**FINISH**

**SOLID POWDER COAT FINISHES:**



**METALLIC POWDER COAT FINISHES:**



**TEXTURED POWDER COAT FINISHES:**



These colors are for reference only. Please be aware that colors may vary per monitor. Please contact your sales rep for finish samples.

**LIGHT SOURCE**

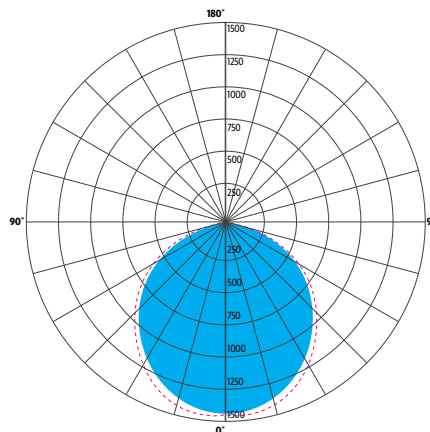
		LUMENS AND WATTAGE CHART						
		24"	36"	48"	60"	72"	84"	96"
<b>LED1</b>	LUMENS DELIVERED	1510	2230	3020	3740	4460	5260	5980
	SYSTEM WATTAGE	21	31	42	52	62	73	83
<b>LED2</b>	LUMENS DELIVERED	2020	2950	3960	4970	5980	6957	7920
	SYSTEM WATTAGE	28	41	55	69	83	97	110

STANDARD COLOR TEMPERATURE OPTIONS	CRI
2700K	80+
3000K	80+
3500K	80+
4000K	80+

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**

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%

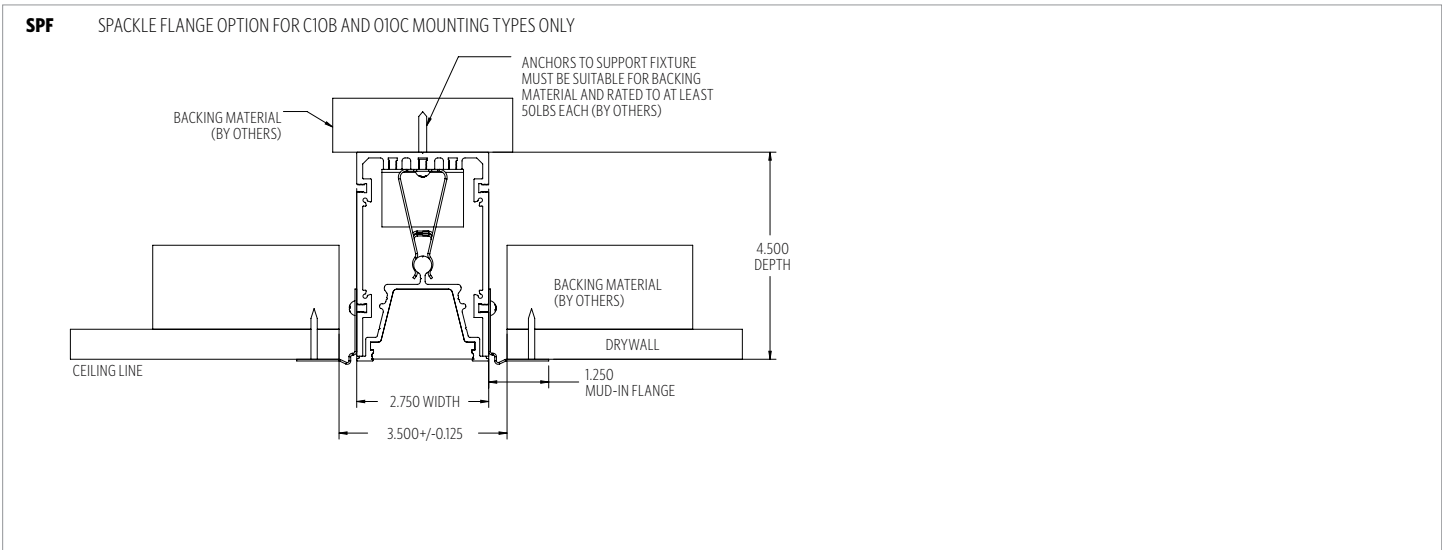
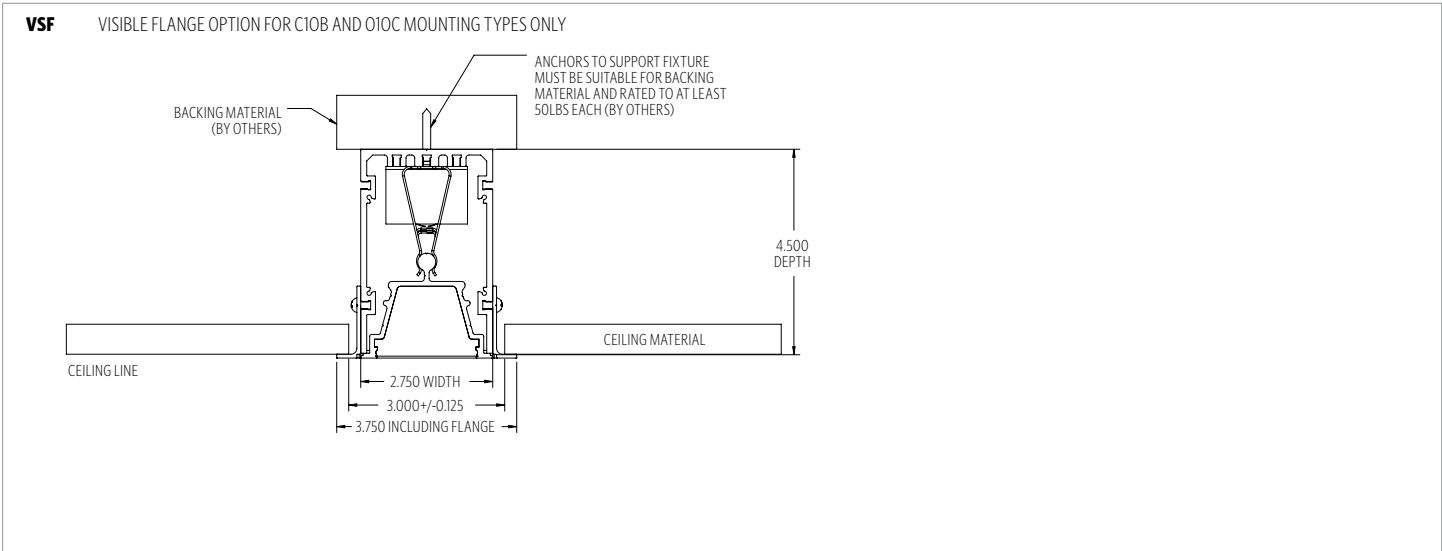
For all available IES files, please visit our website at ocl.com.

**CONTROL**

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

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

**OPTIONS**



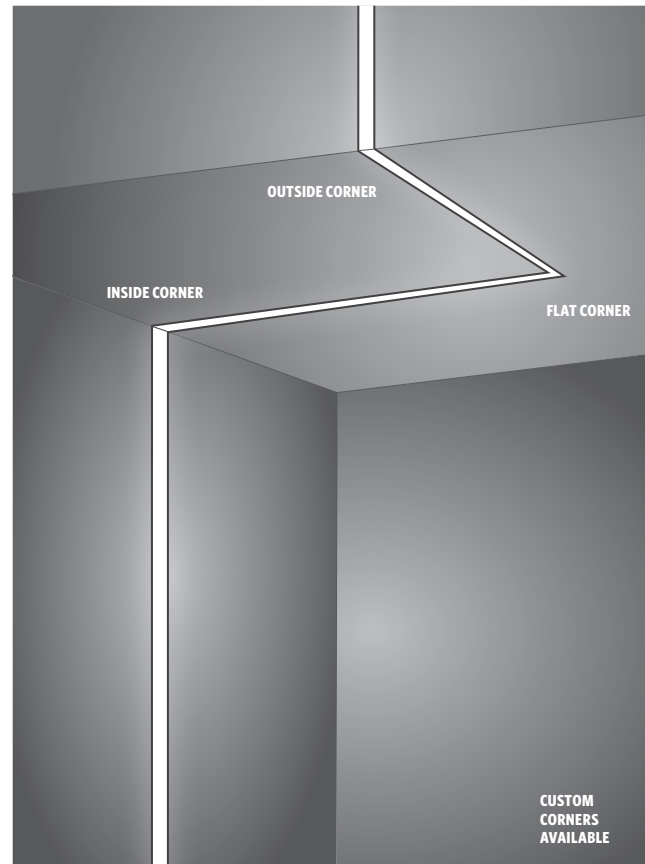
**IJC** ILLUMINATED CORNERS

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 specified project 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™ LED luminaire delivers exceptional performance in a highly scalable, low-profile design. Patented, high-efficiency AccuLED Optics™ 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.

<b>Catalog #</b>	GLEON-AF-01-LED-E1-SL4-HSS	<b>Type</b>	F1
<b>Project</b>		<b>Date</b>	
<b>Comments</b>			
<b>Prepared by</b>			

## SPECIFICATION FEATURES

### Construction

Extruded aluminum driver enclosure thermally isolated from Light Squares for optimal thermal performance. Heavy-wall, die-cast 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 Wye 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.



## GLEON GALLEON LED

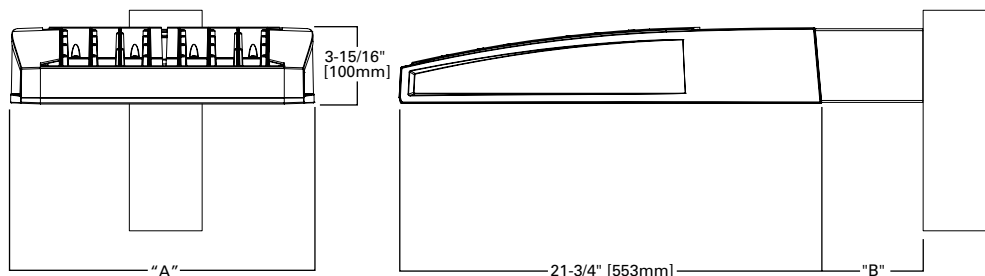
1-10 Light Squares  
Solid State LED

AREA/SITE LUMINAIRE



LumenSafe Technology  
[CLICK HERE](#)

## DIMENSIONS



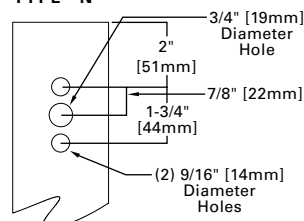
## DIMENSION DATA

Number of Light Squares	"A" Width	"B" Standard Arm Length	"B" Optional Arm Length <sup>1</sup>	Weight with Arm (lbs.)	EPA with Arm <sup>2</sup> (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.

## DRILLING PATTERN

### TYPE "N"



## CERTIFICATION DATA

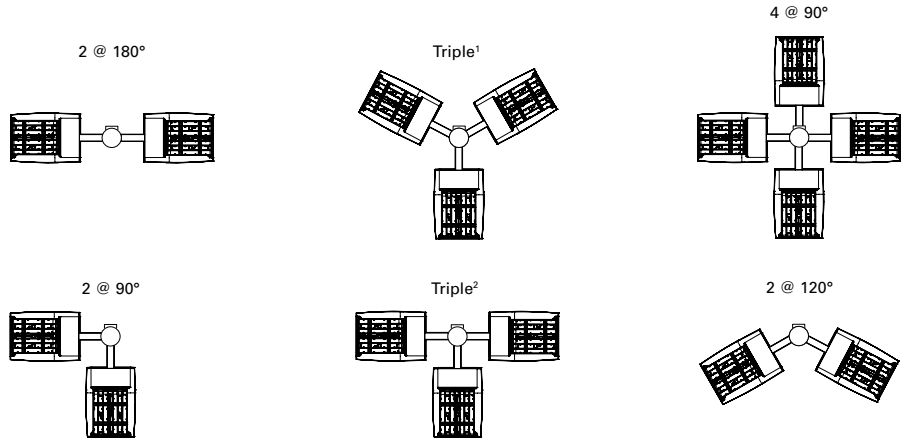
UL/cUL Wet Location Listed  
ISO 9001  
LM79 / LM80 Compliant  
3G Vibration Rated  
IP66 Rated  
DesignLights Consortium® Qualified\*

## 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)

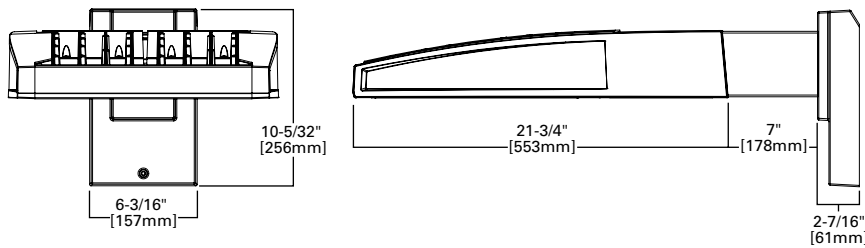
**ARM MOUNTING REQUIREMENTS**

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)

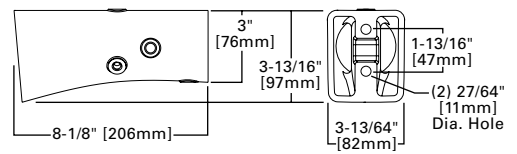


NOTES: 1 Round poles are 3 @ 120°. Square poles are 3 @ 90°. 2 Round poles are 3 @ 90°.

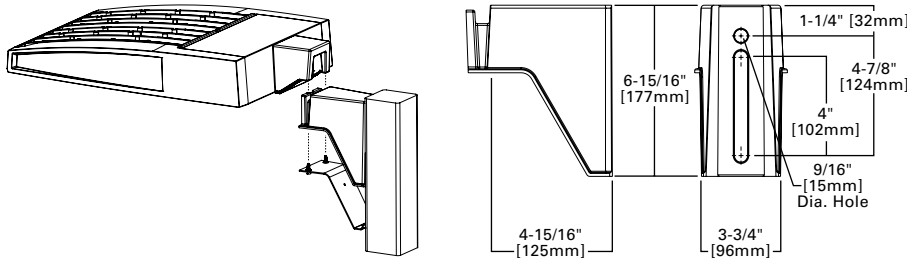
**STANDARD WALL MOUNT**



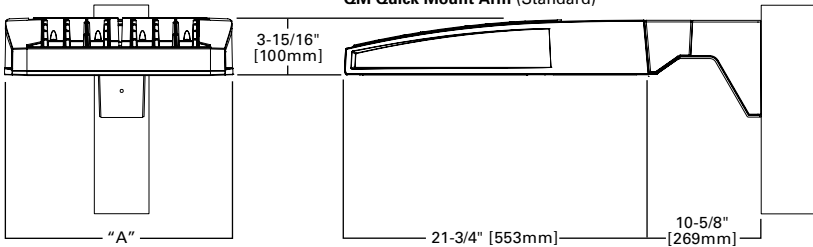
**MAST ARM MOUNT**



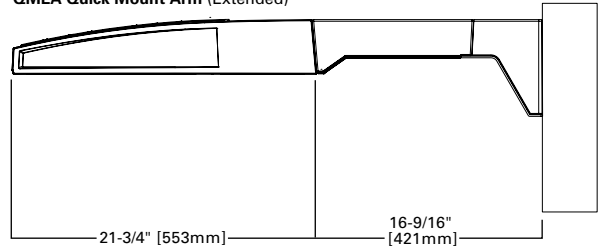
**QUICK MOUNT ARM (INCLUDES FIXTURE ADAPTER)**



**QM Quick Mount Arm (Standard)**



**QMEA Quick Mount Arm (Extended)**

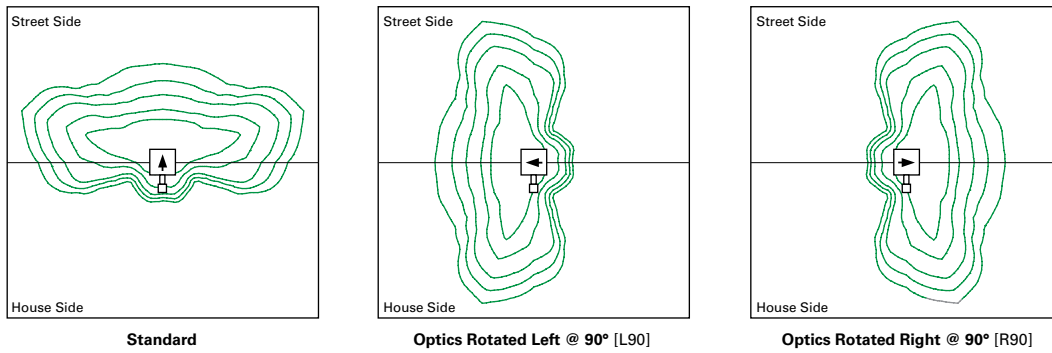


**QUICK MOUNT ARM DATA**

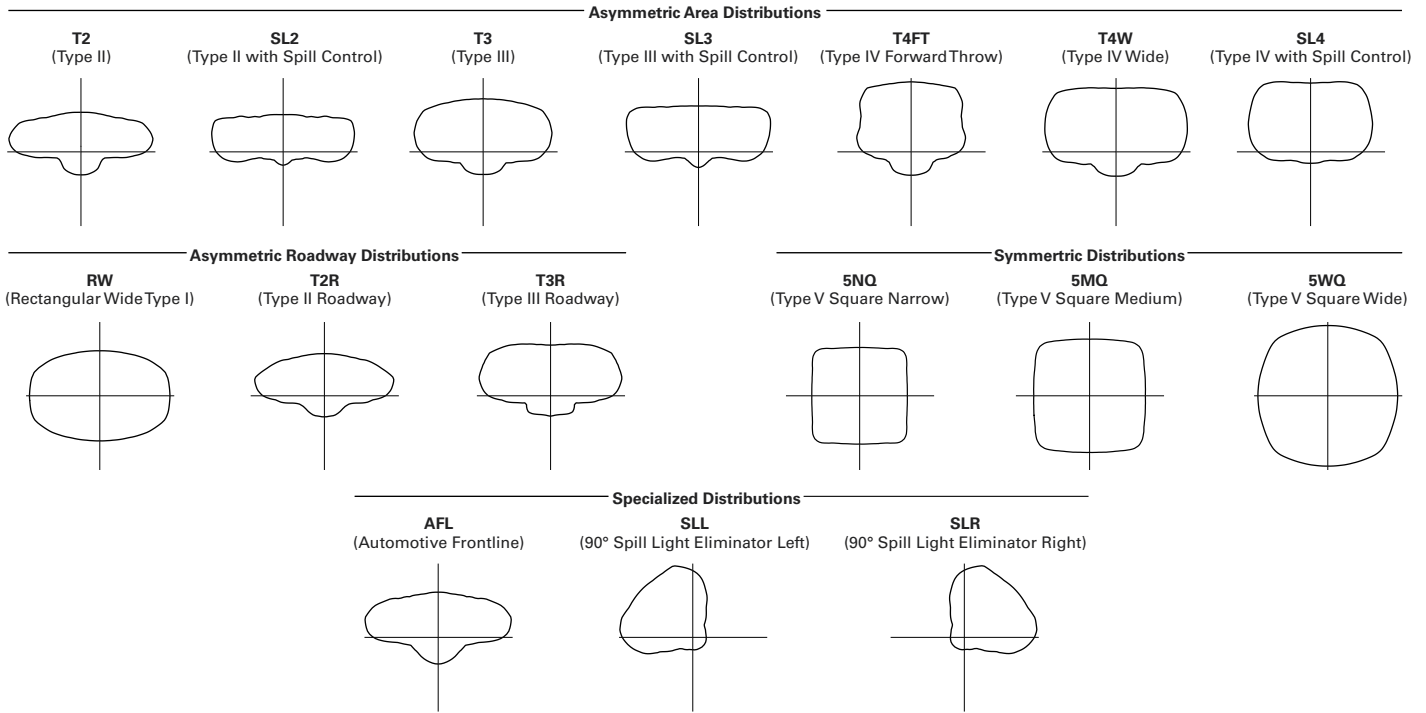
Number of Light Squares <sup>1,2</sup>	"A" Width	Weight with QM Arm (lbs.)	Weight with QMEA Arm (lbs.)	EPA (Sq. Ft.)
1-4	15-1/2" (394mm)	35 (15.91 kgs.)	38 (17.27 kgs.)	1.11
5-6 <sup>3</sup>	21-5/8" (549mm)	46 (20.91 kgs.)	49 (22.27 kgs.)	
7-8	27-5/8" (702mm)	56 (25.45 kgs.)	59 (26.82 kgs.)	

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.

**OPTIC ORIENTATION**



**OPTICAL DISTRIBUTIONS**

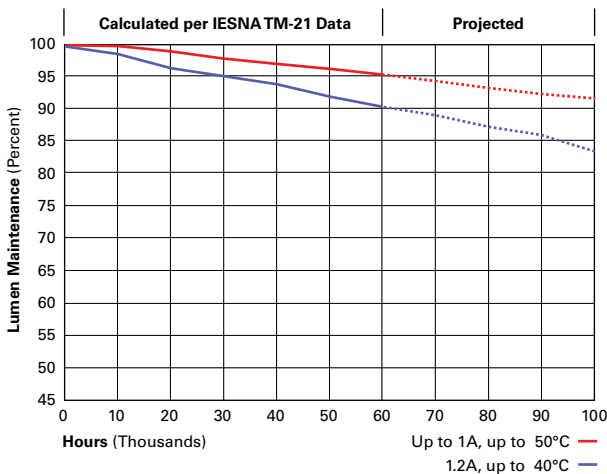


**LUMEN MAINTENANCE**

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





**NOMINAL POWER LUMENS (1.2A)**

Number of Light Squares	1	2	3	4	5	6	7	8	9	10	
<b>Nominal Power (Watts)</b>	67	129	191	258	320	382	448	511	575	640	
<b>Input Current @ 120V (A)</b>	0.58	1.16	1.78	2.31	2.94	3.56	4.09	4.71	5.34	5.87	
<b>Input Current @ 208V (A)</b>	0.33	0.63	0.93	1.27	1.57	1.87	2.22	2.52	2.8	3.14	
<b>Input Current @ 240V (A)</b>	0.29	0.55	0.80	1.10	1.35	1.61	1.93	2.18	2.41	2.71	
<b>Input Current @ 277V (A)</b>	0.25	0.48	0.70	0.96	1.18	1.39	1.69	1.90	2.09	2.36	
<b>Input Current @ 347V (A)</b>	0.20	0.39	0.57	0.78	0.96	1.15	1.36	1.54	1.72	1.92	
<b>Input Current @ 480V (A)</b>	0.15	0.30	0.43	0.60	0.73	0.85	1.03	1.16	1.28	1.45	
<b>Optics</b>											
<b>T2</b>	4000K/5000K Lumens	6,709	13,111	19,562	25,848	32,026	38,325	45,324	51,355	57,286	63,424
	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
<b>T2R</b>	4000K/5000K Lumens	7,122	13,919	20,769	27,442	34,000	40,687	48,117	54,519	60,816	67,333
	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
<b>T3</b>	4000K/5000K Lumens	6,838	13,363	19,939	26,346	32,642	39,062	46,196	52,343	58,388	64,646
	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
<b>T3R</b>	4000K/5000K Lumens	6,990	13,660	20,382	26,931	33,368	39,930	47,223	53,506	59,686	66,081
	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
<b>T4FT</b>	4000K/5000K Lumens	6,878	13,440	20,055	26,499	32,832	39,289	46,464	52,646	58,726	65,020
	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
<b>T4W</b>	4000K/5000K Lumens	6,789	13,267	19,795	26,156	32,408	38,781	45,864	51,967	57,968	64,180
	3000K Lumens	6,010	11,744	17,523	23,153	28,688	34,329	40,599	46,001	51,313	56,812
	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
<b>SL2</b>	4000K/5000K Lumens	6,697	13,088	19,529	25,804	31,970	38,259	45,245	51,267	57,186	63,315
	3000K Lumens	5,928	11,585	17,287	22,842	28,300	33,867	40,051	45,382	50,621	56,046
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
<b>SL3</b>	4000K/5000K Lumens	6,837	13,361	19,936	26,342	32,639	39,057	46,189	52,336	58,380	64,636
	3000K Lumens	6,052	11,827	17,647	23,318	28,892	34,573	40,887	46,328	51,678	57,216
	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
<b>SL4</b>	4000K/5000K Lumens	6,496	12,695	18,943	25,029	31,011	37,110	43,886	49,727	55,470	61,414
	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
<b>5NQ</b>	4000K/5000K Lumens	7,052	13,781	20,564	27,171	33,664	40,285	47,641	53,981	60,215	66,669
	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
<b>5MQ</b>	4000K/5000K Lumens	7,182	14,034	20,942	27,671	34,284	41,027	48,518	54,975	61,323	67,896
	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
<b>5WQ</b>	4000K/5000K Lumens	7,201	14,073	20,998	27,744	34,375	41,136	48,648	55,121	61,487	68,077
	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
<b>SLL/SLR</b>	4000K/5000K Lumens	6,009	11,741	17,519	23,148	28,681	34,321	40,589	45,990	51,301	56,798
	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
<b>RW</b>	4000K/5000K Lumens	6,989	13,657	20,378	26,925	33,360	39,921	47,211	53,494	59,672	66,066
	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
<b>AFL</b>	4000K/5000K Lumens	7,014	13,706	20,452	27,023	33,481	40,066	47,383	53,688	59,888	66,306
	3000K Lumens	6,209	12,133	18,104	23,921	29,637	35,466	41,943	47,525	53,013	58,694
	BUG Rating	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 data for 70 CRI.

**NOMINAL POWER LUMENS (1A)**

Number of Light Squares	1	2	3	4	5	6	7	8	9	10	
<b>Nominal Power (Watts)</b>	59	113	166	225	279	333	391	445	501	558	
<b>Input Current @ 120V (A)</b>	0.51	1.02	1.53	2.03	2.55	3.06	3.56	4.08	4.6	5.07	
<b>Input Current @ 208V (A)</b>	0.29	0.56	0.82	1.11	1.37	1.64	1.93	2.19	2.46	2.75	
<b>Input Current @ 240V (A)</b>	0.26	0.48	0.71	0.96	1.19	1.41	1.67	1.89	2.12	2.39	
<b>Input Current @ 277V (A)</b>	0.23	0.42	0.61	0.83	1.03	1.23	1.45	1.65	1.84	2.09	
<b>Input Current @ 347V (A)</b>	0.17	0.32	0.50	0.64	0.82	1.00	1.14	1.32	1.50	1.68	
<b>Input Current @ 480V (A)</b>	0.14	0.24	0.37	0.48	0.61	0.75	0.91	0.99	1.12	1.28	
<b>Optics</b>											
<b>T2</b>	4000K/5000K Lumens	6,116	11,951	17,833	23,563	29,195	34,937	41,317	46,814	52,221	57,817
	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
<b>T2R</b>	4000K/5000K Lumens	6,493	12,688	18,932	25,015	30,994	37,090	43,863	49,699	55,439	61,380
	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
<b>T3</b>	4000K/5000K Lumens	6,234	12,181	18,176	24,017	29,756	35,609	42,111	47,715	53,225	58,930
	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	B4-U0-G5	B4-U0-G5	B4-U0-G5
<b>T3R</b>	4000K/5000K Lumens	6,372	12,453	18,580	24,550	30,418	36,400	43,048	48,776	54,409	60,239
	3000K Lumens	5,640	11,023	16,447	21,732	26,926	32,221	38,106	43,177	48,163	53,324
	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
<b>T4FT</b>	4000K/5000K Lumens	6,270	12,252	18,282	24,156	29,929	35,815	42,356	47,992	53,534	59,271
	3000K Lumens	5,550	10,845	16,183	21,383	26,493	31,703	37,494	42,483	47,388	52,467
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
<b>T4W</b>	4000K/5000K Lumens	6,189	12,094	18,045	23,844	29,543	35,352	41,809	47,372	52,843	58,506
	3000K Lumens	5,479	10,706	15,973	21,107	26,151	31,294	37,009	41,934	46,777	51,790
	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
<b>SL2</b>	4000K/5000K Lumens	6,105	11,931	17,803	23,522	29,144	34,877	41,245	46,734	52,130	57,717
	3000K Lumens	5,404	10,561	15,759	20,822	25,798	30,873	36,510	41,369	46,145	51,091
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
<b>SL3</b>	4000K/5000K Lumens	6,233	12,180	18,174	24,013	29,753	35,604	42,106	47,708	53,218	58,921
	3000K Lumens	5,517	10,782	16,088	21,256	26,337	31,517	37,272	42,231	47,109	52,157
	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	B4-U0-G5	B4-U0-G5
<b>SL4</b>	4000K/5000K Lumens	5,922	11,572	17,268	22,816	28,269	33,829	40,006	45,330	50,566	55,984
	3000K Lumens	5,242	10,244	15,286	20,197	25,024	29,945	35,413	40,126	44,761	49,557
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
<b>5NQ</b>	4000K/5000K Lumens	6,429	12,563	18,746	24,768	30,688	36,723	43,429	49,208	54,891	60,775
	3000K Lumens	5,691	11,121	16,594	21,925	27,165	32,507	38,443	43,559	48,590	53,798
	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
<b>5MQ</b>	4000K/5000K Lumens	6,547	12,794	19,090	25,224	31,253	37,400	44,228	50,114	55,902	61,893
	3000K Lumens	5,795	11,325	16,898	22,328	27,665	33,106	39,151	44,361	49,484	54,788
	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
<b>5WQ</b>	4000K/5000K Lumens	6,564	12,828	19,141	25,291	31,336	37,499	44,347	50,248	56,051	62,058
	3000K Lumens	5,810	11,355	16,944	22,388	27,739	33,194	39,256	44,480	49,616	54,934
	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
<b>SLL/SLR</b>	4000K/5000K Lumens	5,478	10,703	15,970	21,102	26,145	31,286	37,001	41,924	46,765	51,777
	3000K Lumens	4,849	9,474	14,137	18,679	23,144	27,694	32,753	37,111	41,396	45,833
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
<b>RW</b>	4000K/5000K Lumens	6,371	12,449	18,576	24,544	30,411	36,392	43,037	48,764	54,396	60,225
	3000K Lumens	5,640	11,020	16,443	21,726	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
<b>AFL</b>	4000K/5000K Lumens	6,394	12,494	18,644	24,634	30,521	36,524	43,194	48,942	54,593	60,444
	3000K Lumens	5,660	11,060	16,504	21,806	27,017	32,331	38,235	43,323	48,326	53,505
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4

\* Nominal data for 70 CRI.

**NOMINAL POWER LUMENS (800MA)**

Number of Light Squares	1	2	3	4	5	6	7	8	9	10	
<b>Nominal Power (Watts)</b>	44	85	124	171	210	249	295	334	374	419	
<b>Input Current @ 120V (A)</b>	0.39	0.77	1.13	1.54	1.90	2.26	2.67	3.03	3.39	3.80	
<b>Input Current @ 208V (A)</b>	0.22	0.44	0.62	0.88	1.06	1.24	1.50	1.68	1.87	2.12	
<b>Input Current @ 240V (A)</b>	0.19	0.38	0.54	0.76	0.92	1.08	1.30	1.46	1.62	1.84	
<b>Input Current @ 277V (A)</b>	0.17	0.36	0.47	0.72	0.83	0.95	1.19	1.31	1.42	1.67	
<b>Input Current @ 347V (A)</b>	0.15	0.24	0.38	0.49	0.63	0.77	0.87	1.01	1.15	1.52	
<b>Input Current @ 480V (A)</b>	0.11	0.18	0.29	0.37	0.48	0.59	0.66	0.77	0.88	0.96	
<b>Optics</b>											
<b>T2</b>	4000K/5000K Lumens	4,941	9,656	14,408	19,038	23,588	28,227	33,382	37,823	42,191	46,713
	3000K Lumens	4,374	8,547	12,754	16,852	20,880	24,987	29,550	33,481	37,347	41,350
	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
<b>T2R</b>	4000K/5000K Lumens	5,246	10,251	15,296	20,211	25,041	29,966	35,439	40,154	44,791	49,592
	3000K Lumens	4,644	9,074	13,540	17,891	22,166	26,526	31,371	35,544	39,649	43,899
	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
<b>T3</b>	4000K/5000K Lumens	5,037	9,842	14,685	19,404	24,041	28,770	34,024	38,551	43,003	47,612
	3000K Lumens	4,459	8,712	12,999	17,176	21,281	25,467	30,118	34,125	38,066	42,146
	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
<b>T3R</b>	4000K/5000K Lumens	5,148	10,061	15,011	19,835	24,576	29,409	34,780	39,408	43,959	48,669
	3000K Lumens	4,557	8,906	13,288	17,558	21,755	26,033	30,787	34,884	38,913	43,082
	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
<b>T4FT</b>	4000K/5000K Lumens	5,066	9,899	14,770	19,516	24,181	28,936	34,221	38,774	43,252	47,888
	3000K Lumens	4,484	8,763	13,074	17,276	21,405	25,614	30,292	34,323	38,287	42,390
	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
<b>T4W</b>	4000K/5000K Lumens	5,000	9,771	14,579	19,264	23,869	28,562	33,779	38,274	42,694	47,269
	3000K Lumens	4,426	8,649	12,905	17,052	21,129	25,283	29,901	33,880	37,793	41,843
	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
<b>SL2</b>	4000K/5000K Lumens	4,933	9,639	14,383	19,005	23,547	28,178	33,324	37,758	42,118	46,632
	3000K Lumens	4,367	8,532	12,732	16,823	20,844	24,943	29,498	33,423	37,283	41,279
	BUG Rating	B1-U0-G2	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
<b>SL3</b>	4000K/5000K Lumens	5,036	9,841	14,683	19,401	24,039	28,766	34,019	38,546	42,997	47,605
	3000K Lumens	4,458	8,711	12,997	17,174	21,279	25,464	30,114	34,121	38,061	42,140
	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
<b>SL4</b>	4000K/5000K Lumens	4,784	9,350	13,951	18,434	22,840	27,332	32,323	36,624	40,854	45,232
	3000K Lumens	4,235	8,277	12,349	16,318	20,218	24,194	28,612	32,420	36,164	40,039
	BUG Rating	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G5	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
<b>5NQ</b>	4000K/5000K Lumens	5,194	10,150	15,145	20,011	24,794	29,670	35,088	39,757	44,349	49,102
	3000K Lumens	4,598	8,985	13,406	17,714	21,948	26,264	31,060	35,193	39,258	43,465
	BUG Rating	B2-U0-G1	B3-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-G3
<b>5MQ</b>	4000K/5000K Lumens	5,290	10,337	15,424	20,380	25,250	30,217	35,734	40,489	45,165	50,006
	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-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
<b>5WQ</b>	4000K/5000K Lumens	5,304	10,365	15,465	20,434	25,318	30,297	35,830	40,597	45,286	50,139
	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	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
<b>SLL/SLR</b>	4000K/5000K Lumens	4,426	8,648	12,903	17,049	21,124	25,278	29,894	33,872	37,784	41,832
	3000K Lumens	3,918	7,655	11,422	15,092	18,699	22,376	26,462	29,983	33,446	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	B3-U0-G5	B3-U0-G5
<b>RW</b>	4000K/5000K Lumens	5,147	10,058	15,009	19,830	24,570	29,402	34,771	39,399	43,949	48,658
	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	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4
<b>AFL</b>	4000K/5000K Lumens	5,166	10,095	15,063	19,903	24,659	29,509	34,898	39,542	44,108	48,835
	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	B3-U0-G3	B3-U0-G3	B3-U0-G3

\* Nominal data for 70 CRI.

**NOMINAL POWER LUMENS (600MA)**

Number of Light Squares	1	2	3	4	5	6	7	8	9	10	
<b>Nominal Power (Watts)</b>	34	66	96	129	162	193	226	257	290	323	
<b>Input Current @ 120V (A)</b>	0.30	0.58	0.86	1.16	1.44	1.73	2.03	2.33	2.59	2.89	
<b>Input Current @ 208V (A)</b>	0.17	0.34	0.49	0.65	0.84	0.99	1.14	1.30	1.48	1.63	
<b>Input Current @ 240V (A)</b>	0.15	0.30	0.43	0.56	0.74	0.87	1.00	1.13	1.30	1.43	
<b>Input Current @ 277V (A)</b>	0.14	0.28	0.41	0.52	0.69	0.81	0.93	1.04	1.22	1.33	
<b>Input Current @ 347V (A)</b>	0.11	0.19	0.30	0.39	0.49	0.60	0.69	0.77	0.90	0.99	
<b>Input Current @ 480V (A)</b>	0.08	0.15	0.24	0.30	0.38	0.48	0.53	0.59	0.71	0.77	
<b>Optics</b>											
<b>T2</b>	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
<b>T2R</b>	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
<b>T3</b>	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
<b>T3R</b>	4000K/5000K Lumens	4,198	8,205	12,242	16,175	20,041	23,982	28,363	32,137	35,848	39,689
	3000K Lumens	3,716	7,263	10,837	14,318	17,740	21,229	25,107	28,448	31,733	35,133
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
<b>T4FT</b>	4000K/5000K Lumens	4,131	8,072	12,045	15,915	19,719	23,597	27,907	31,620	35,272	39,052
	3000K Lumens	3,657	7,145	10,662	14,088	17,455	20,888	24,703	27,990	31,223	34,569
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
<b>T4W</b>	4000K/5000K Lumens	4,077	7,968	11,889	15,710	19,465	23,292	27,546	31,212	34,816	38,547
	3000K Lumens	3,609	7,053	10,524	13,906	17,230	20,618	24,384	27,629	30,819	34,122
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
<b>SL2</b>	4000K/5000K Lumens	4,022	7,861	11,729	15,498	19,202	22,979	27,175	30,791	34,347	38,028
	3000K Lumens	3,560	6,959	10,383	13,719	16,998	20,341	24,055	27,256	30,404	33,662
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
<b>SL3</b>	4000K/5000K Lumens	4,106	8,025	11,974	15,821	19,603	23,458	27,742	31,433	35,064	38,821
	3000K Lumens	3,635	7,104	10,599	14,005	17,353	20,765	24,557	27,824	31,039	34,364
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
<b>SL4</b>	4000K/5000K Lumens	3,902	7,624	11,377	15,033	18,626	22,289	26,359	29,867	33,316	36,886
	3000K Lumens	3,454	6,749	10,071	13,307	16,488	19,730	23,333	26,438	29,491	32,651
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5
<b>5NQ</b>	4000K/5000K Lumens	4,236	8,277	12,351	16,319	20,219	24,196	28,614	32,422	36,166	40,042
	3000K Lumens	3,750	7,327	10,933	14,446	17,898	21,418	25,329	28,700	32,014	35,445
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3
<b>5MQ</b>	4000K/5000K Lumens	4,314	8,429	12,578	16,619	20,591	24,641	29,141	33,019	36,832	40,779
	3000K Lumens	3,819	7,461	11,134	14,711	18,227	21,812	25,796	29,228	32,604	36,098
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
<b>5WQ</b>	4000K/5000K Lumens	4,325	8,452	12,611	16,664	20,646	24,707	29,219	33,106	36,930	40,888
	3000K Lumens	3,828	7,482	11,163	14,751	18,276	21,871	25,865	29,305	32,690	36,194
	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
<b>SLL/SLR</b>	4000K/5000K Lumens	3,609	7,052	10,522	13,903	17,226	20,613	24,378	27,622	30,812	34,114
	3000K Lumens	3,195	6,242	9,314	12,307	15,248	18,247	21,579	24,451	27,275	30,198
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
<b>RW</b>	4000K/5000K Lumens	4,197	8,202	12,239	16,171	20,036	23,977	28,356	32,129	35,839	39,680
	3000K Lumens	3,715	7,260	10,834	14,315	17,736	21,224	25,101	28,441	31,725	35,125
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
<b>AFL</b>	4000K/5000K Lumens	4,213	8,232	12,284	16,230	20,109	24,064	28,459	32,246	35,969	39,824
	3000K Lumens	3,729	7,287	10,874	14,367	17,800	21,301	25,192	28,544	31,840	35,252
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3

\* Nominal data for 70 CRI.

**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.

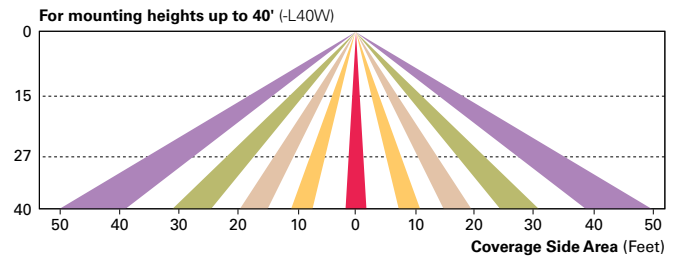
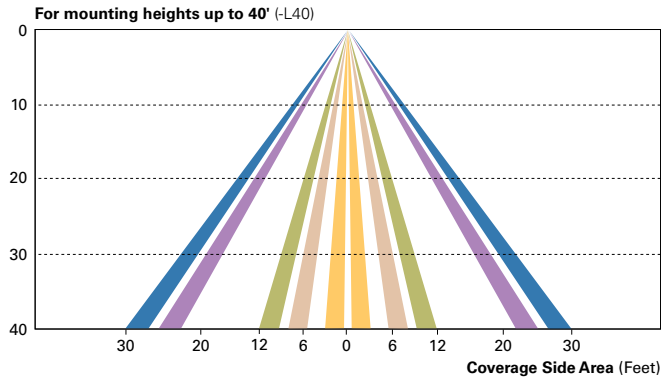
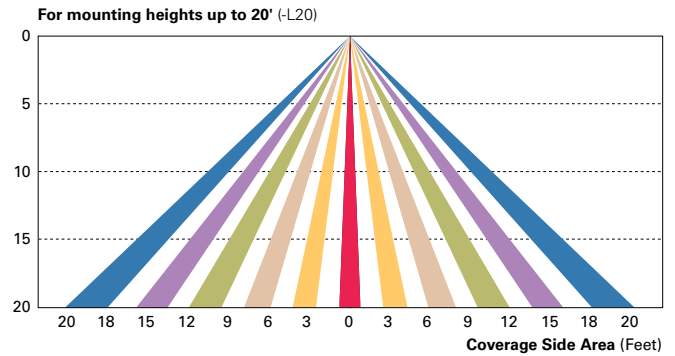
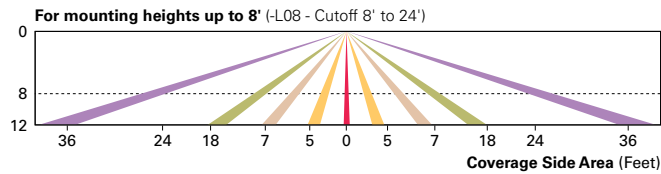
**After Hours Dim (AHD)**

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)**

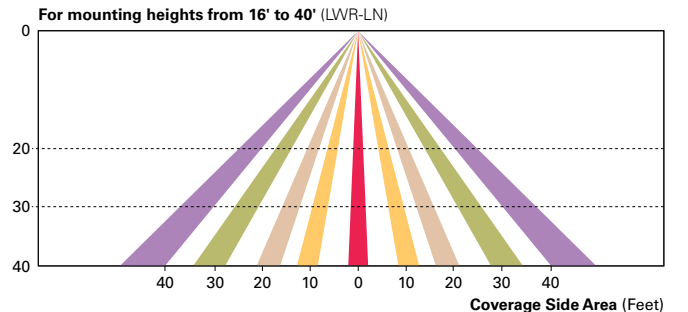
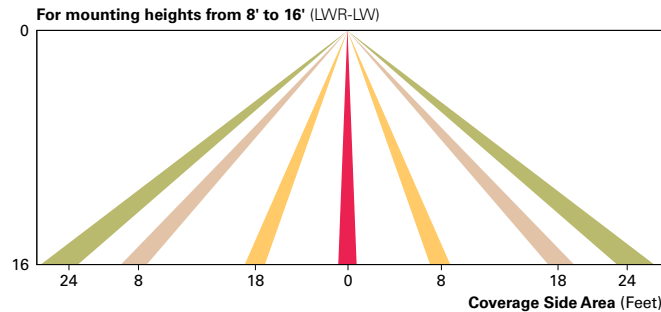
These sensors are factory installed in the luminaire housing. When the MS/DIM-LXX sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The 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'.



**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.

**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.

**ORDERING INFORMATION**


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 Roadway T3=Type III T3R=Type III Roadway T4FT=Type IV Forward Throw T4W=Type IV Wide 5NQ=Type V Narrow 5MQ=Type V Square Medium 5WQ=Type V Square Wide SL2=Type II w/Spill Control SL3=Type III w/Spill Control SL4=Type IV w/Spill Control SLL=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 Suffix)	Accessories (Order Separately)
<p>7030=70 CRI 3000K<sup>13</sup> 8030=80 CRI 3000K<sup>14</sup> 7050=70 CRI 5000K<sup>13</sup> 7060=70 CRI 6000K<sup>13</sup> 600=Drive Current Factory Set to Nominal 600mA<sup>15</sup> 800=Drive Current Factory Set to Nominal 800mA<sup>15</sup> 1200=Drive Current Factory Set to Nominal 1200mA<sup>15,16</sup> F=Single Fuse (120, 277 or 347V. Must Specify Voltage) FF=Double Fuse (208, 240 or 480V. Must Specify Voltage) 2L=Two Circuits<sup>17,18</sup> DIM=External 0-10V Dimming Leads<sup>19,20</sup> P=Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Voltage)<sup>21</sup> PER7=NEMA 7-PIN Twistlock Photocontrol Receptacle<sup>21</sup> R=NEMA Twistlock Photocontrol Receptacle<sup>21</sup> AHD145=After Hours Dim, 5 Hours<sup>22</sup> AHD245=After Hours Dim, 6 Hours<sup>22</sup> AHD255=After Hours Dim, 7 Hours<sup>22</sup> AHD355=After Hours Dim, 8 Hours<sup>22</sup> HA=50°C High Ambient<sup>23</sup> MS/DIM-L08=Motion Sensor for Dimming Operation, Maximum 8' Mounting Height<sup>24,25</sup> MS/DIM-L20=Motion Sensor for Dimming Operation, 9' - 20' Mounting Height<sup>24,25</sup> MS/DIM-L40=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height<sup>24,27</sup> MS/DIM-L40W=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height (Wide Range)<sup>24,28</sup> MS/X-L08=Bi-Level Motion Sensor, Maximum 8' Mounting Height<sup>24,25,29</sup> MS/X-L20=Bi-Level Motion Sensor, 9' - 20' Mounting Height<sup>24,26,29</sup> MS/X-L40=Bi-Level Motion Sensor, 21' - 40' Mounting Height<sup>22,27,29</sup> MS/X-L40W=Bi-Level Motion Sensor, 21' - 40' Mounting Height (Wide Range)<sup>24,28,29</sup> MS-L08=Motion Sensor for ON/OFF Operation, Maximum 8' Mounting Height<sup>24,25</sup> MS-L20=Motion Sensor for ON/OFF Operation, 9' - 20' Mounting Height<sup>24,26</sup> MS-L40=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height<sup>24,27</sup> MS-L40W=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height (Wide Range)<sup>24,28</sup> LWR-LW=LumaWatt Pro Wireless Sensor, Wide Lens for 8' - 16' Mounting Height<sup>30,(A)</sup> LWR-LN=LumaWatt Pro Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height<sup>30,(A)</sup> WOLC-7P-10A=WaveLinx Wireless Outdoor Lighting Control Module<sup>(B)</sup> L90=Optics Rotated 90° Left R90=Optics Rotated 90° Right MT=Factory Installed Mesh Top TH=Tool-less Door Hardware LCF=Light Square Trim Plate Painted to Match Housing<sup>31</sup> HSS=Factory Installed House Side Shield<sup>32</sup> CE=CE Marking<sup>33</sup></p>	<p>OA/RA1016=NEMA Photocontrol Multi-Tap - 105-285V OA/RA1027=NEMA Photocontrol - 480V OA/RA1201=NEMA Photocontrol - 347V OA/RA1013=Photocontrol Shorting Cap OA/RA1014=120V Photocontrol MA1252=10kV Surge Module Replacement MA1036-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon MA1037-XX=2 @ 180° Tenon Adapter for 2-3/8" O.D. Tenon MA1197-XX=3 @ 120° Tenon Adapter for 2-3/8" O.D. Tenon MA1188-XX=4 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon MA1189-XX=2 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon MA1190-XX=3 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon MA1191-XX=2 @ 120° Tenon Adapter for 2-3/8" O.D. Tenon MA1038-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon MA1039-XX=2 @ 180° Tenon Adapter for 3-1/2" O.D. Tenon MA1192-XX=3 @ 120° Tenon Adapter for 3-1/2" O.D. Tenon MA1193-XX=4 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon MA1194-XX=2 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon MA1195-XX=3 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon FSIR-100=Wireless Configuration Tool for Occupancy Sensor<sup>34</sup> GLEON-MT1=Field Installed Mesh Top for 1-4 Light Squares GLEON-MT2=Field Installed Mesh Top for 5-6 Light Squares GLEON-MT3=Field Installed Mesh Top for 7-8 Light Squares GLEON-MT4=Field Installed Mesh Top for 9-10 Light Squares GLEON-QM=Quick Mount Arm Kit<sup>10</sup> GLEON-QMEA=Quick Mount Extended Arm Kit<sup>11</sup> LS/HSS=Field Installed House Side Shield<sup>32,33</sup> WOLC-7P-10A=WaveLinx Outdoor Control Module (7-pin)<sup>35,(B)</sup></p>

**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® 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 (QM) 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. 14 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 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. 16 Not available with HA option. 17 2L is not available with MS, MS/X or MS/DIM at 347V or 480V. 2L in AF-02 through AF-04 requires a larger housing, normally used for AF-05 or AF-06. Extended arm option may be required when mounting two or more fixtures per pole at 90° or 120°. Refer to arm mounting requirement table. 18 Not available with LumaWatt Pro wireless sensors. 19 Cannot be used with other control options. 20 Low voltage control lead brought out 18" outside fixture. 21 Not available if any "MS" sensor is selected. Motion sensor has an integral photocell. 22 Requires the use of P photocontrol or the PER7 or R photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental guide for additional information. 23 50°C lumen maintenance data applies to 600mA, 800mA and 1A drive currents. 24 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. 25 Approximately 22" detection diameter at 8' mounting height. 26 Approximately 40" detection diameter at 20' mounting height. 27 Approximately 60" detection diameter at 40' mounting height. 28 Approximately 100" detection diameter at 40' mounting height. 29 Replace X with number of Light Squares operating in low output mode. 30 LumaWatt Pro wireless sensors are factory installed only requiring network components LWP-EM-1, LWP-GW-1 and LWP-PoE8 in appropriate quantities. See www.eaton.com/lighting for LumaWatt Pro application information. 31 Not available with house side shield (HSS). 32 Only for use with SL2, SL3, SL4 and AFL distributions. The Light Square trim plate is painted black when the HSS option is selected. 33 CE is not available with the LWR, MS, MS/X, MS/DIM, P, R or PER7 options. Available in 120-277V only. 34 One required for each Light Square. 35 Requires 7-pin NEMA twistlock photocontrol receptacle.

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

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

\*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.

## DESCRIPTION

The Galleon™ LED luminaire delivers exceptional performance in a highly scalable, low-profile design. Patented, high-efficiency AccuLED Optics™ 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.

<b>Catalog #</b>	GLEON-AF-01-LED-E1-SL4-HSS	<b>Type</b>	F1
<b>Project</b>		<b>Date</b>	
<b>Comments</b>			
<b>Prepared by</b>			

## SPECIFICATION FEATURES

### Construction

Extruded aluminum driver enclosure thermally isolated from Light Squares for optimal thermal performance. Heavy-wall, die-cast 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 Wye 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.



## GLEON GALLEON LED

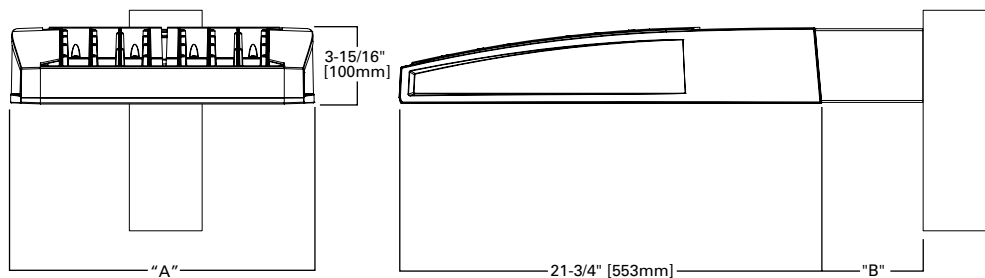
1-10 Light Squares  
Solid State LED

AREA/SITE LUMINAIRE



LumenSafe Technology  
[CLICK HERE](#)

## DIMENSIONS

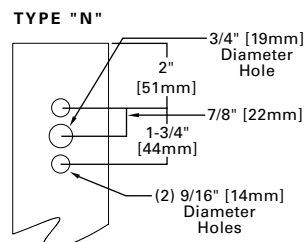


## DIMENSION DATA

Number of Light Squares	"A" Width	"B" Standard Arm Length	"B" Optional Arm Length <sup>1</sup>	Weight with Arm (lbs.)	EPA with Arm <sup>2</sup> (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.

## DRILLING PATTERN



## CERTIFICATION DATA

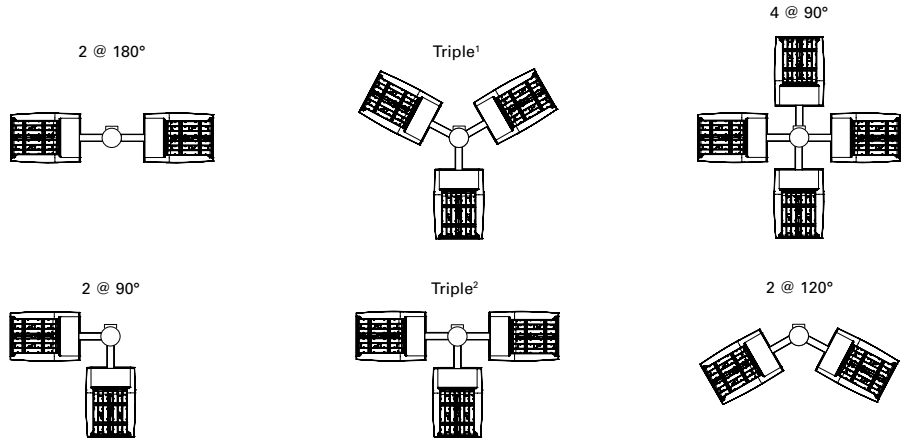
UL/cUL Wet Location Listed  
ISO 9001  
LM79 / LM80 Compliant  
3G Vibration Rated  
IP66 Rated  
DesignLights Consortium® Qualified\*

## 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)

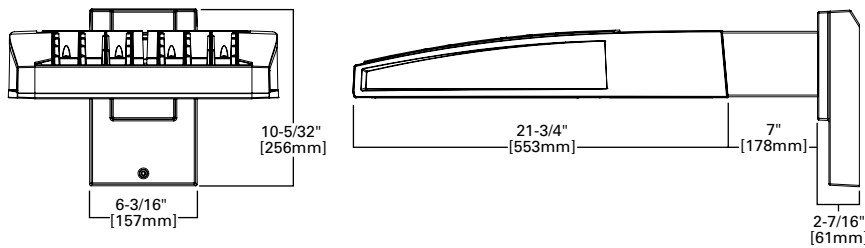
**ARM MOUNTING REQUIREMENTS**

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)

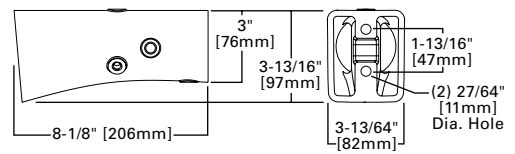


NOTES: 1 Round poles are 3 @ 120°. Square poles are 3 @ 90°. 2 Round poles are 3 @ 90°.

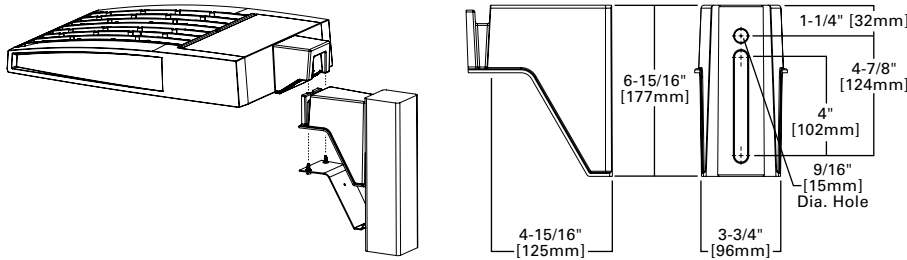
**STANDARD WALL MOUNT**



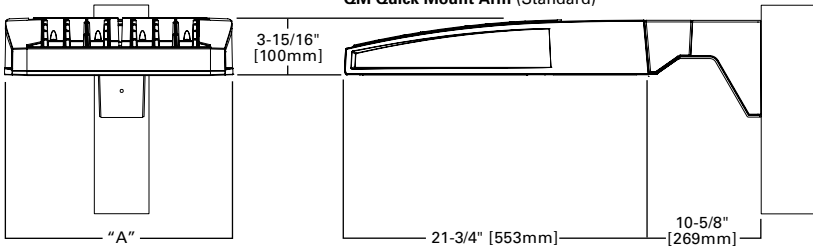
**MAST ARM MOUNT**



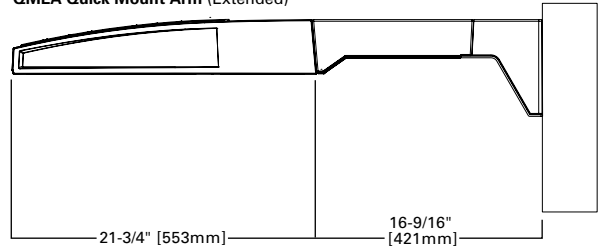
**QUICK MOUNT ARM (INCLUDES FIXTURE ADAPTER)**



QM Quick Mount Arm (Standard)



QMEA Quick Mount Arm (Extended)



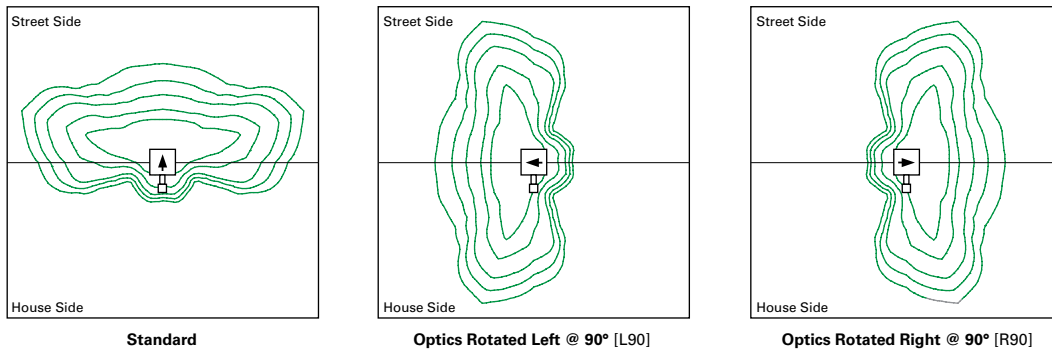
**QUICK MOUNT ARM DATA**

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.)	1.11
5-6 <sup>3</sup>	21-5/8" (549mm)	46 (20.91 kgs.)	49 (22.27 kgs.)	
7-8	27-5/8" (702mm)	56 (25.45 kgs.)	59 (26.82 kgs.)	

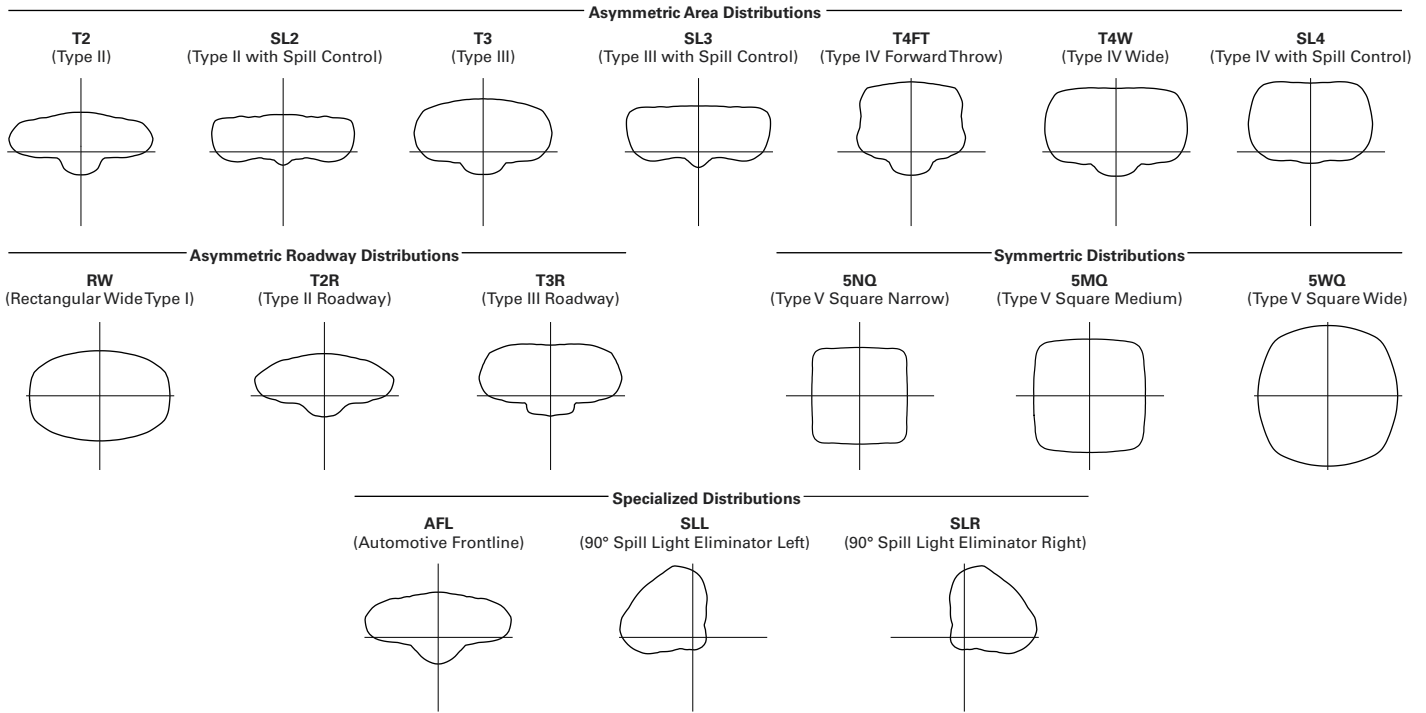
NOTES: 1 QM option available with 1-8 light square configurations. 2 QMEA option available with 1-6 light square configurations. 3 QMEA arm to be used when mounting two fixtures at 90° on a single pole.



**OPTIC ORIENTATION**



**OPTICAL DISTRIBUTIONS**

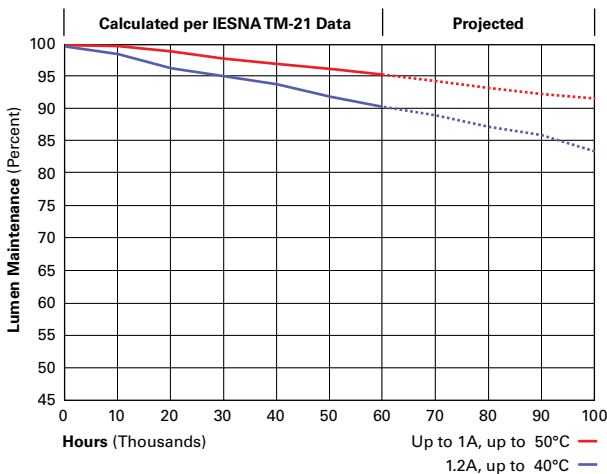


**LUMEN MAINTENANCE**

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



**NOMINAL POWER LUMENS (1.2A)**

Number of Light Squares	1	2	3	4	5	6	7	8	9	10	
<b>Nominal Power (Watts)</b>	67	129	191	258	320	382	448	511	575	640	
<b>Input Current @ 120V (A)</b>	0.58	1.16	1.78	2.31	2.94	3.56	4.09	4.71	5.34	5.87	
<b>Input Current @ 208V (A)</b>	0.33	0.63	0.93	1.27	1.57	1.87	2.22	2.52	2.8	3.14	
<b>Input Current @ 240V (A)</b>	0.29	0.55	0.80	1.10	1.35	1.61	1.93	2.18	2.41	2.71	
<b>Input Current @ 277V (A)</b>	0.25	0.48	0.70	0.96	1.18	1.39	1.69	1.90	2.09	2.36	
<b>Input Current @ 347V (A)</b>	0.20	0.39	0.57	0.78	0.96	1.15	1.36	1.54	1.72	1.92	
<b>Input Current @ 480V (A)</b>	0.15	0.30	0.43	0.60	0.73	0.85	1.03	1.16	1.28	1.45	
<b>Optics</b>											
<b>T2</b>	4000K/5000K Lumens	6,709	13,111	19,562	25,848	32,026	38,325	45,324	51,355	57,286	63,424
	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
<b>T2R</b>	4000K/5000K Lumens	7,122	13,919	20,769	27,442	34,000	40,687	48,117	54,519	60,816	67,333
	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
<b>T3</b>	4000K/5000K Lumens	6,838	13,363	19,939	26,346	32,642	39,062	46,196	52,343	58,388	64,646
	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
<b>T3R</b>	4000K/5000K Lumens	6,990	13,660	20,382	26,931	33,368	39,930	47,223	53,506	59,686	66,081
	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
<b>T4FT</b>	4000K/5000K Lumens	6,878	13,440	20,055	26,499	32,832	39,289	46,464	52,646	58,726	65,020
	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
<b>T4W</b>	4000K/5000K Lumens	6,789	13,267	19,795	26,156	32,408	38,781	45,864	51,967	57,968	64,180
	3000K Lumens	6,010	11,744	17,523	23,153	28,688	34,329	40,599	46,001	51,313	56,812
	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
<b>SL2</b>	4000K/5000K Lumens	6,697	13,088	19,529	25,804	31,970	38,259	45,245	51,267	57,186	63,315
	3000K Lumens	5,928	11,585	17,287	22,842	28,300	33,867	40,051	45,382	50,621	56,046
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
<b>SL3</b>	4000K/5000K Lumens	6,837	13,361	19,936	26,342	32,639	39,057	46,189	52,336	58,380	64,636
	3000K Lumens	6,052	11,827	17,647	23,318	28,892	34,573	40,887	46,328	51,678	57,216
	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
<b>SL4</b>	4000K/5000K Lumens	6,496	12,695	18,943	25,029	31,011	37,110	43,886	49,727	55,470	61,414
	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
<b>5NQ</b>	4000K/5000K Lumens	7,052	13,781	20,564	27,171	33,664	40,285	47,641	53,981	60,215	66,669
	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
<b>5MQ</b>	4000K/5000K Lumens	7,182	14,034	20,942	27,671	34,284	41,027	48,518	54,975	61,323	67,896
	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
<b>5WQ</b>	4000K/5000K Lumens	7,201	14,073	20,998	27,744	34,375	41,136	48,648	55,121	61,487	68,077
	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
<b>SLL/SLR</b>	4000K/5000K Lumens	6,009	11,741	17,519	23,148	28,681	34,321	40,589	45,990	51,301	56,798
	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
<b>RW</b>	4000K/5000K Lumens	6,989	13,657	20,378	26,925	33,360	39,921	47,211	53,494	59,672	66,066
	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
<b>AFL</b>	4000K/5000K Lumens	7,014	13,706	20,452	27,023	33,481	40,066	47,383	53,688	59,888	66,306
	3000K Lumens	6,209	12,133	18,104	23,921	29,637	35,466	41,943	47,525	53,013	58,694
	BUG Rating	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 data for 70 CRI.

**NOMINAL POWER LUMENS (1A)**

Number of Light Squares	1	2	3	4	5	6	7	8	9	10	
<b>Nominal Power (Watts)</b>	59	113	166	225	279	333	391	445	501	558	
<b>Input Current @ 120V (A)</b>	0.51	1.02	1.53	2.03	2.55	3.06	3.56	4.08	4.6	5.07	
<b>Input Current @ 208V (A)</b>	0.29	0.56	0.82	1.11	1.37	1.64	1.93	2.19	2.46	2.75	
<b>Input Current @ 240V (A)</b>	0.26	0.48	0.71	0.96	1.19	1.41	1.67	1.89	2.12	2.39	
<b>Input Current @ 277V (A)</b>	0.23	0.42	0.61	0.83	1.03	1.23	1.45	1.65	1.84	2.09	
<b>Input Current @ 347V (A)</b>	0.17	0.32	0.50	0.64	0.82	1.00	1.14	1.32	1.50	1.68	
<b>Input Current @ 480V (A)</b>	0.14	0.24	0.37	0.48	0.61	0.75	0.91	0.99	1.12	1.28	
<b>Optics</b>											
<b>T2</b>	4000K/5000K Lumens	6,116	11,951	17,833	23,563	29,195	34,937	41,317	46,814	52,221	57,817
	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
<b>T2R</b>	4000K/5000K Lumens	6,493	12,688	18,932	25,015	30,994	37,090	43,863	49,699	55,439	61,380
	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
<b>T3</b>	4000K/5000K Lumens	6,234	12,181	18,176	24,017	29,756	35,609	42,111	47,715	53,225	58,930
	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	B4-U0-G5	B4-U0-G5	B4-U0-G5
<b>T3R</b>	4000K/5000K Lumens	6,372	12,453	18,580	24,550	30,418	36,400	43,048	48,776	54,409	60,239
	3000K Lumens	5,640	11,023	16,447	21,732	26,926	32,221	38,106	43,177	48,163	53,324
	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
<b>T4FT</b>	4000K/5000K Lumens	6,270	12,252	18,282	24,156	29,929	35,815	42,356	47,992	53,534	59,271
	3000K Lumens	5,550	10,845	16,183	21,383	26,493	31,703	37,494	42,483	47,388	52,467
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
<b>T4W</b>	4000K/5000K Lumens	6,189	12,094	18,045	23,844	29,543	35,352	41,809	47,372	52,843	58,506
	3000K Lumens	5,479	10,706	15,973	21,107	26,151	31,294	37,009	41,934	46,777	51,790
	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
<b>SL2</b>	4000K/5000K Lumens	6,105	11,931	17,803	23,522	29,144	34,877	41,245	46,734	52,130	57,717
	3000K Lumens	5,404	10,561	15,759	20,822	25,798	30,873	36,510	41,369	46,145	51,091
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
<b>SL3</b>	4000K/5000K Lumens	6,233	12,180	18,174	24,013	29,753	35,604	42,106	47,708	53,218	58,921
	3000K Lumens	5,517	10,782	16,088	21,256	26,337	31,517	37,272	42,231	47,109	52,157
	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	B4-U0-G5	B4-U0-G5
<b>SL4</b>	4000K/5000K Lumens	5,922	11,572	17,268	22,816	28,269	33,829	40,006	45,330	50,566	55,984
	3000K Lumens	5,242	10,244	15,286	20,197	25,024	29,945	35,413	40,126	44,761	49,557
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
<b>5NQ</b>	4000K/5000K Lumens	6,429	12,563	18,746	24,768	30,688	36,723	43,429	49,208	54,891	60,775
	3000K Lumens	5,691	11,121	16,594	21,925	27,165	32,507	38,443	43,559	48,590	53,798
	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
<b>5MQ</b>	4000K/5000K Lumens	6,547	12,794	19,090	25,224	31,253	37,400	44,228	50,114	55,902	61,893
	3000K Lumens	5,795	11,325	16,898	22,328	27,665	33,106	39,151	44,361	49,484	54,788
	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
<b>5WQ</b>	4000K/5000K Lumens	6,564	12,828	19,141	25,291	31,336	37,499	44,347	50,248	56,051	62,058
	3000K Lumens	5,810	11,355	16,944	22,388	27,739	33,194	39,256	44,480	49,616	54,934
	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
<b>SLL/SLR</b>	4000K/5000K Lumens	5,478	10,703	15,970	21,102	26,145	31,286	37,001	41,924	46,765	51,777
	3000K Lumens	4,849	9,474	14,137	18,679	23,144	27,694	32,753	37,111	41,396	45,833
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
<b>RW</b>	4000K/5000K Lumens	6,371	12,449	18,576	24,544	30,411	36,392	43,037	48,764	54,396	60,225
	3000K Lumens	5,640	11,020	16,443	21,726	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
<b>AFL</b>	4000K/5000K Lumens	6,394	12,494	18,644	24,634	30,521	36,524	43,194	48,942	54,593	60,444
	3000K Lumens	5,660	11,060	16,504	21,806	27,017	32,331	38,235	43,323	48,326	53,505
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4

\* Nominal data for 70 CRI.

**NOMINAL POWER LUMENS (800MA)**

Number of Light Squares	1	2	3	4	5	6	7	8	9	10	
<b>Nominal Power (Watts)</b>	44	85	124	171	210	249	295	334	374	419	
<b>Input Current @ 120V (A)</b>	0.39	0.77	1.13	1.54	1.90	2.26	2.67	3.03	3.39	3.80	
<b>Input Current @ 208V (A)</b>	0.22	0.44	0.62	0.88	1.06	1.24	1.50	1.68	1.87	2.12	
<b>Input Current @ 240V (A)</b>	0.19	0.38	0.54	0.76	0.92	1.08	1.30	1.46	1.62	1.84	
<b>Input Current @ 277V (A)</b>	0.17	0.36	0.47	0.72	0.83	0.95	1.19	1.31	1.42	1.67	
<b>Input Current @ 347V (A)</b>	0.15	0.24	0.38	0.49	0.63	0.77	0.87	1.01	1.15	1.52	
<b>Input Current @ 480V (A)</b>	0.11	0.18	0.29	0.37	0.48	0.59	0.66	0.77	0.88	0.96	
<b>Optics</b>											
<b>T2</b>	4000K/5000K Lumens	4,941	9,656	14,408	19,038	23,588	28,227	33,382	37,823	42,191	46,713
	3000K Lumens	4,374	8,547	12,754	16,852	20,880	24,987	29,550	33,481	37,347	41,350
	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
<b>T2R</b>	4000K/5000K Lumens	5,246	10,251	15,296	20,211	25,041	29,966	35,439	40,154	44,791	49,592
	3000K Lumens	4,644	9,074	13,540	17,891	22,166	26,526	31,371	35,544	39,649	43,899
	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
<b>T3</b>	4000K/5000K Lumens	5,037	9,842	14,685	19,404	24,041	28,770	34,024	38,551	43,003	47,612
	3000K Lumens	4,459	8,712	12,999	17,176	21,281	25,467	30,118	34,125	38,066	42,146
	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
<b>T3R</b>	4000K/5000K Lumens	5,148	10,061	15,011	19,835	24,576	29,409	34,780	39,408	43,959	48,669
	3000K Lumens	4,557	8,906	13,288	17,558	21,755	26,033	30,787	34,884	38,913	43,082
	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
<b>T4FT</b>	4000K/5000K Lumens	5,066	9,899	14,770	19,516	24,181	28,936	34,221	38,774	43,252	47,888
	3000K Lumens	4,484	8,763	13,074	17,276	21,405	25,614	30,292	34,323	38,287	42,390
	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
<b>T4W</b>	4000K/5000K Lumens	5,000	9,771	14,579	19,264	23,869	28,562	33,779	38,274	42,694	47,269
	3000K Lumens	4,426	8,649	12,905	17,052	21,129	25,283	29,901	33,880	37,793	41,843
	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
<b>SL2</b>	4000K/5000K Lumens	4,933	9,639	14,383	19,005	23,547	28,178	33,324	37,758	42,118	46,632
	3000K Lumens	4,367	8,532	12,732	16,823	20,844	24,943	29,498	33,423	37,283	41,279
	BUG Rating	B1-U0-G2	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
<b>SL3</b>	4000K/5000K Lumens	5,036	9,841	14,683	19,401	24,039	28,766	34,019	38,546	42,997	47,605
	3000K Lumens	4,458	8,711	12,997	17,174	21,279	25,464	30,114	34,121	38,061	42,140
	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
<b>SL4</b>	4000K/5000K Lumens	4,784	9,350	13,951	18,434	22,840	27,332	32,323	36,624	40,854	45,232
	3000K Lumens	4,235	8,277	12,349	16,318	20,218	24,194	28,612	32,420	36,164	40,039
	BUG Rating	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G5	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
<b>5NQ</b>	4000K/5000K Lumens	5,194	10,150	15,145	20,011	24,794	29,670	35,088	39,757	44,349	49,102
	3000K Lumens	4,598	8,985	13,406	17,714	21,948	26,264	31,060	35,193	39,258	43,465
	BUG Rating	B2-U0-G1	B3-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-G3
<b>5MQ</b>	4000K/5000K Lumens	5,290	10,337	15,424	20,380	25,250	30,217	35,734	40,489	45,165	50,006
	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-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
<b>5WQ</b>	4000K/5000K Lumens	5,304	10,365	15,465	20,434	25,318	30,297	35,830	40,597	45,286	50,139
	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	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
<b>SLL/SLR</b>	4000K/5000K Lumens	4,426	8,648	12,903	17,049	21,124	25,278	29,894	33,872	37,784	41,832
	3000K Lumens	3,918	7,655	11,422	15,092	18,699	22,376	26,462	29,983	33,446	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	B3-U0-G5	B3-U0-G5
<b>RW</b>	4000K/5000K Lumens	5,147	10,058	15,009	19,830	24,570	29,402	34,771	39,399	43,949	48,658
	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	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4
<b>AFL</b>	4000K/5000K Lumens	5,166	10,095	15,063	19,903	24,659	29,509	34,898	39,542	44,108	48,835
	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	B3-U0-G3	B3-U0-G3	B3-U0-G3

\* Nominal data for 70 CRI.

**NOMINAL POWER LUMENS (600MA)**

Number of Light Squares	1	2	3	4	5	6	7	8	9	10	
<b>Nominal Power (Watts)</b>	34	66	96	129	162	193	226	257	290	323	
<b>Input Current @ 120V (A)</b>	0.30	0.58	0.86	1.16	1.44	1.73	2.03	2.33	2.59	2.89	
<b>Input Current @ 208V (A)</b>	0.17	0.34	0.49	0.65	0.84	0.99	1.14	1.30	1.48	1.63	
<b>Input Current @ 240V (A)</b>	0.15	0.30	0.43	0.56	0.74	0.87	1.00	1.13	1.30	1.43	
<b>Input Current @ 277V (A)</b>	0.14	0.28	0.41	0.52	0.69	0.81	0.93	1.04	1.22	1.33	
<b>Input Current @ 347V (A)</b>	0.11	0.19	0.30	0.39	0.49	0.60	0.69	0.77	0.90	0.99	
<b>Input Current @ 480V (A)</b>	0.08	0.15	0.24	0.30	0.38	0.48	0.53	0.59	0.71	0.77	
<b>Optics</b>											
<b>T2</b>	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
<b>T2R</b>	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
<b>T3</b>	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
<b>T3R</b>	4000K/5000K Lumens	4,198	8,205	12,242	16,175	20,041	23,982	28,363	32,137	35,848	39,689
	3000K Lumens	3,716	7,263	10,837	14,318	17,740	21,229	25,107	28,448	31,733	35,133
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
<b>T4FT</b>	4000K/5000K Lumens	4,131	8,072	12,045	15,915	19,719	23,597	27,907	31,620	35,272	39,052
	3000K Lumens	3,657	7,145	10,662	14,088	17,455	20,888	24,703	27,990	31,223	34,569
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
<b>T4W</b>	4000K/5000K Lumens	4,077	7,968	11,889	15,710	19,465	23,292	27,546	31,212	34,816	38,547
	3000K Lumens	3,609	7,053	10,524	13,906	17,230	20,618	24,384	27,629	30,819	34,122
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
<b>SL2</b>	4000K/5000K Lumens	4,022	7,861	11,729	15,498	19,202	22,979	27,175	30,791	34,347	38,028
	3000K Lumens	3,560	6,959	10,383	13,719	16,998	20,341	24,055	27,256	30,404	33,662
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
<b>SL3</b>	4000K/5000K Lumens	4,106	8,025	11,974	15,821	19,603	23,458	27,742	31,433	35,064	38,821
	3000K Lumens	3,635	7,104	10,599	14,005	17,353	20,765	24,557	27,824	31,039	34,364
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
<b>SL4</b>	4000K/5000K Lumens	3,902	7,624	11,377	15,033	18,626	22,289	26,359	29,867	33,316	36,886
	3000K Lumens	3,454	6,749	10,071	13,307	16,488	19,730	23,333	26,438	29,491	32,651
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5
<b>5NQ</b>	4000K/5000K Lumens	4,236	8,277	12,351	16,319	20,219	24,196	28,614	32,422	36,166	40,042
	3000K Lumens	3,750	7,327	10,933	14,446	17,898	21,418	25,329	28,700	32,014	35,445
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3
<b>5MQ</b>	4000K/5000K Lumens	4,314	8,429	12,578	16,619	20,591	24,641	29,141	33,019	36,832	40,779
	3000K Lumens	3,819	7,461	11,134	14,711	18,227	21,812	25,796	29,228	32,604	36,098
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
<b>5WQ</b>	4000K/5000K Lumens	4,325	8,452	12,611	16,664	20,646	24,707	29,219	33,106	36,930	40,888
	3000K Lumens	3,828	7,482	11,163	14,751	18,276	21,871	25,865	29,305	32,690	36,194
	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
<b>SLL/SLR</b>	4000K/5000K Lumens	3,609	7,052	10,522	13,903	17,226	20,613	24,378	27,622	30,812	34,114
	3000K Lumens	3,195	6,242	9,314	12,307	15,248	18,247	21,579	24,451	27,275	30,198
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
<b>RW</b>	4000K/5000K Lumens	4,197	8,202	12,239	16,171	20,036	23,977	28,356	32,129	35,839	39,680
	3000K Lumens	3,715	7,260	10,834	14,315	17,736	21,224	25,101	28,441	31,725	35,125
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
<b>AFL</b>	4000K/5000K Lumens	4,213	8,232	12,284	16,230	20,109	24,064	28,459	32,246	35,969	39,824
	3000K Lumens	3,729	7,287	10,874	14,367	17,800	21,301	25,192	28,544	31,840	35,252
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3

\* Nominal data for 70 CRI.

**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.

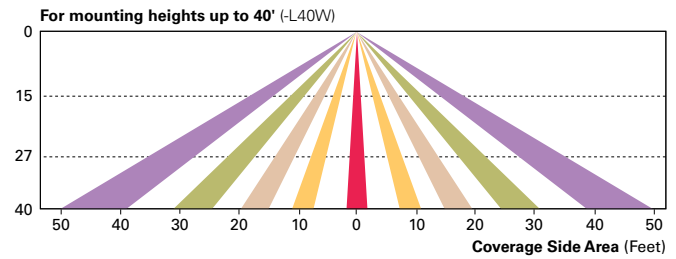
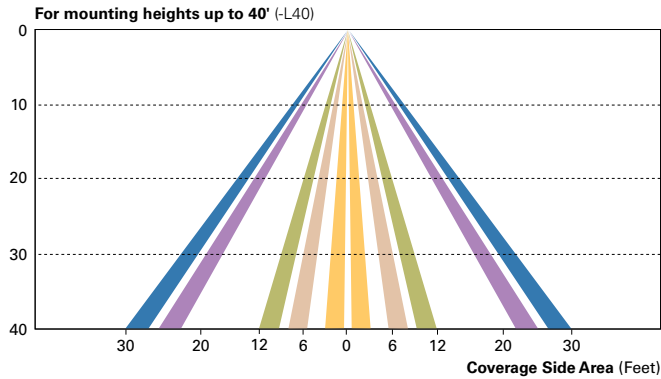
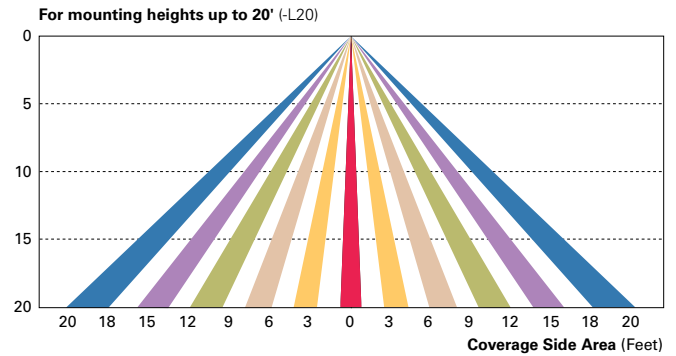
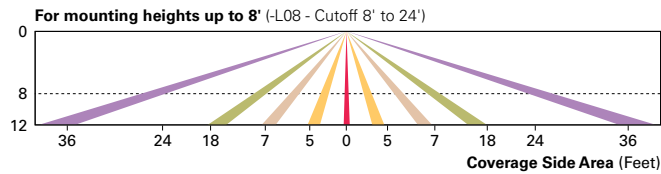
**After Hours Dim (AHD)**

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)**

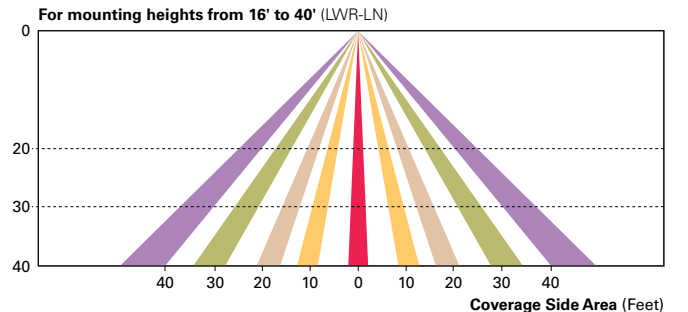
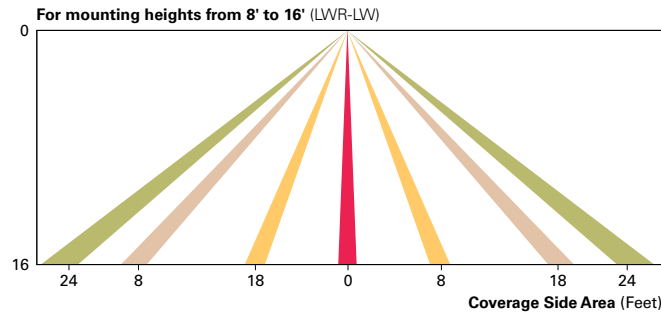
These sensors are factory installed in the luminaire housing. When the MS/DIM-LXX sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The 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'.



**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.

**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.

ORDERING INFORMATION


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
<b>GLEON=Galleon</b>	<b>AF=1A Drive</b> Current	<b>01=1</b> 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>	<b>LED=Solid State</b> Light Emitting Diodes	<b>E1=120-277V</b> 347=347V <sup>7</sup> 480=480V <sup>7,8</sup>	T2=Type II T2R=Type II Roadway T3=Type III T3R=Type III Roadway T4FT=Type IV Forward Throw T4W=Type IV Wide 5NQ=Type V Narrow 5MQ=Type V Square Medium 5WQ=Type V Square Wide SL2=Type II w/Spill Control <b>SL3=Type III w/Spill Control</b> SL4=Type IV w/Spill Control SLL=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 Suffix)	Accessories (Order Separately)
<p>7030=70 CRI 3000K<sup>13</sup> 8030=80 CRI 3000K<sup>14</sup> 7050=70 CRI 5000K<sup>13</sup> 7060=70 CRI 6000K<sup>13</sup> 600=Drive Current Factory Set to Nominal 600mA<sup>15</sup> 800=Drive Current Factory Set to Nominal 800mA<sup>15</sup> 1200=Drive Current Factory Set to Nominal 1200mA<sup>15,16</sup> F=Single Fuse (120, 277 or 347V. Must Specify Voltage) FF=Double Fuse (208, 240 or 480V. Must Specify Voltage) 2L=Two Circuits<sup>17,18</sup> DIM=External 0-10V Dimming Leads<sup>19,20</sup> P=Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Voltage)<sup>21</sup> PER7=NEMA 7-PIN Twistlock Photocontrol Receptacle<sup>21</sup> R=NEMA Twistlock Photocontrol Receptacle<sup>21</sup> AHD145=After Hours Dim, 5 Hours<sup>22</sup> AHD245=After Hours Dim, 6 Hours<sup>22</sup> AHD255=After Hours Dim, 7 Hours<sup>22</sup> AHD355=After Hours Dim, 8 Hours<sup>22</sup> HA=50°C High Ambient<sup>23</sup> MS/DIM-L08=Motion Sensor for Dimming Operation, Maximum 8' Mounting Height<sup>24,25</sup> MS/DIM-L20=Motion Sensor for Dimming Operation, 9' - 20' Mounting Height<sup>24,25</sup> MS/DIM-L40=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height<sup>24,27</sup> MS/DIM-L40W=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height (Wide Range)<sup>24,28</sup> MS/X-L08=Bi-Level Motion Sensor, Maximum 8' Mounting Height<sup>24,25,29</sup> MS/X-L20=Bi-Level Motion Sensor, 9' - 20' Mounting Height<sup>24,26,29</sup> MS/X-L40=Bi-Level Motion Sensor, 21' - 40' Mounting Height<sup>22,27,29</sup> MS/X-L40W=Bi-Level Motion Sensor, 21' - 40' Mounting Height (Wide Range)<sup>24,28,29</sup> MS-L08=Motion Sensor for ON/OFF Operation, Maximum 8' Mounting Height<sup>24,25</sup> MS-L20=Motion Sensor for ON/OFF Operation, 9' - 20' Mounting Height<sup>24,26</sup> MS-L40=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height<sup>24,27</sup> MS-L40W=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height (Wide Range)<sup>24,28</sup> LWR-LW=LumaWatt Pro Wireless Sensor, Wide Lens for 8' - 16' Mounting Height<sup>30,(A)</sup> LWR-LN=LumaWatt Pro Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height<sup>30,(A)</sup> WOLC-7P-10A=WaveLinx Wireless Outdoor Lighting Control Module<sup>(B)</sup> L90=Optics Rotated 90° Left R90=Optics Rotated 90° Right MT=Factory Installed Mesh Top TH=Tool-less Door Hardware LCF=Light Square Trim Plate Painted to Match Housing<sup>31</sup> HSS=Factory Installed House Side Shield<sup>32</sup> CE=CE Marking<sup>33</sup></p>	<p>OA/RA1016=NEMA Photocontrol Multi-Tap - 105-285V OA/RA1027=NEMA Photocontrol - 480V OA/RA1201=NEMA Photocontrol - 347V OA/RA1013=Photocontrol Shorting Cap OA/RA1014=120V Photocontrol MA1252=10kV Surge Module Replacement MA1036-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon MA1037-XX=2 @ 180° Tenon Adapter for 2-3/8" O.D. Tenon MA1197-XX=3 @ 120° Tenon Adapter for 2-3/8" O.D. Tenon MA1188-XX=4 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon MA1189-XX=2 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon MA1190-XX=3 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon MA1191-XX=2 @ 120° Tenon Adapter for 2-3/8" O.D. Tenon MA1038-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon MA1039-XX=2 @ 180° Tenon Adapter for 3-1/2" O.D. Tenon MA1192-XX=3 @ 120° Tenon Adapter for 3-1/2" O.D. Tenon MA1193-XX=4 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon MA1194-XX=2 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon MA1195-XX=3 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon FSIR-100=Wireless Configuration Tool for Occupancy Sensor<sup>34</sup> GLEON-MT1=Field Installed Mesh Top for 1-4 Light Squares GLEON-MT2=Field Installed Mesh Top for 5-6 Light Squares GLEON-MT3=Field Installed Mesh Top for 7-8 Light Squares GLEON-MT4=Field Installed Mesh Top for 9-10 Light Squares GLEON-QM=Quick Mount Arm Kit<sup>10</sup> GLEON-QMEA=Quick Mount Extended Arm Kit<sup>11</sup> LS/HSS=Field Installed House Side Shield<sup>32,33</sup> WOLC-7P-10A=WaveLinx Outdoor Control Module (7-pin)<sup>35,(B)</sup></p>

**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® 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 (QM) 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. 14 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 1 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. 16 Not available with HA option. 17 2L is not available with MS, MS/X or MS/DIM at 347V or 480V. 2L in AF-02 through AF-04 requires a larger housing, normally used for AF-05 or AF-06. Extended arm option may be required when mounting two or more fixtures per pole at 90° or 120°. Refer to arm mounting requirement table. 18 Not available with LumaWatt Pro wireless sensors. 19 Cannot be used with other control options. 20 Low voltage control lead brought out 18" outside fixture. 21 Not available if any "MS" sensor is selected. Motion sensor has an integral photocell. 22 Requires the use of P photocontrol or the PER7 or R photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental guide for additional information. 23 50°C lumen maintenance data applies to 600mA, 800mA and 1A drive currents. 24 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. 25 Approximately 22" detection diameter at 8' mounting height. 26 Approximately 40" detection diameter at 20' mounting height. 27 Approximately 60" detection diameter at 40' mounting height. 28 Approximately 100" detection diameter at 40' mounting height. 29 Replace X with number of Light Squares operating in low output mode. 30 LumaWatt Pro wireless sensors are factory installed only requiring network components LWP-EM-1, LWP-GW-1 and LWP-PoE8 in appropriate quantities. See www.eaton.com/lighting for LumaWatt Pro application information. 31 Not available with house side shield (HSS). 32 Only for use with SL2, SL3, SL4 and AFL distributions. The Light Square trim plate is painted black when the HSS option is selected. 33 CE is not available with the LWR, MS, MS/X, MS/DIM, P, R or PER7 options. Available in 120-277V only. 34 One required for each Light Square. 35 Requires 7-pin NEMA twistlock photocontrol receptacle.

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

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

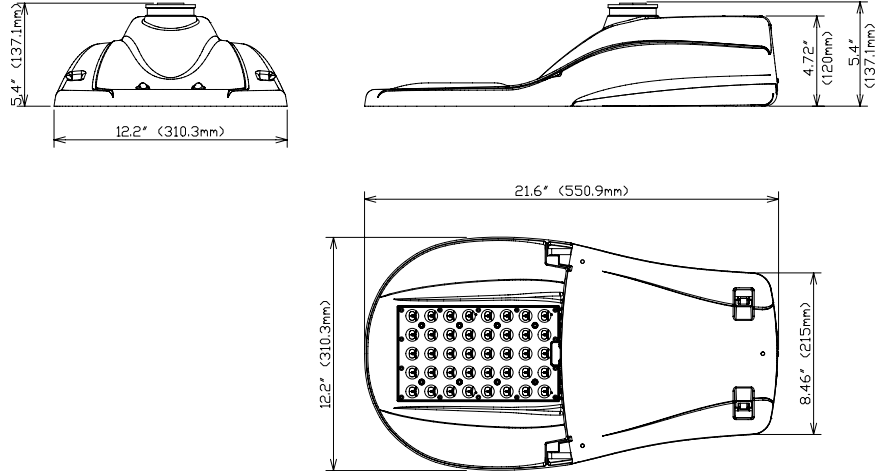
\*Consult LumenSafe system pages for additional details and compatibility. Not available with 9-10 light square housing. Not available with 347V, 480V or high ambient options.

# 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>



### 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>	30H Drive Current Code <sup>2</sup>	Options
GCM2	30H	MV 120-277V	WW 3000K	2S Type 2 Short	GY Gray	530	FDC <sup>3</sup> Fixed Drive Current
		HV 347-480V	NW 4000K	2R Type 2 Medium	DB Dark Bronze	610	FFA <sup>4</sup> Full field Adjustability
GCM2	40H		CW 5000K	3R Type 3 Medium	BK Black	700	LPCR Less Photocontrol Receptacle
				4 Type 4		850	PCR7 <sup>5</sup> ANSI 7-wire Photocontrol Receptacle
				5 Type 5		1A	PCR7-CR <sup>6</sup> Control Ready 7-wire PC Receptacle
						40H Drive Current Code <sup>2</sup>	WL Utility Wattage Label
						575	4B 4-Bolt Mounting Bracket
					700	RWG Rubber Wildlife Guard	
					850	SWTB Straight Wire Terminal Block	
					950	BBL Bubble Level	
					1A	CF <sup>7</sup> 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)

### Accessories\*

HSSGCM <sup>8</sup>	House Side Shield, Snap-On*
CSSGCM <sup>9</sup>	Cul-De-Sac Side Shield, Snap-On*
FSSGCM <sup>10</sup>	Front Side Shield, Snap-On*
SPB <sup>11</sup>	Square Pole Horizontal Arm Bracket
RPB <sup>11</sup>	Round Pole Horizontal Arm Bracket
PTB <sup>11</sup>	Pole Top Tenon Horizontal Arm Bracket
PTB2 <sup>11</sup>	Pole Top Tenon Horizontal Arm Bracket (2@180°)
WB <sup>11</sup>	Wall Horizontal Arm Bracket
BSK	Bird Deterrent Spider Kit
LLPC <sup>12</sup>	Long-Life Twist Lock Photocontrol
SC	Twist Lock Shorting Cap

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



### 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 ± 5° 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

Luminaire 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)
GCM2	30H	530	48	5770	120
		610	58	6700	116
		700	68	7620	112
		850	82	8800	107
		1A	101	10480	104
	40H	575	73	8780	120
		700	88	10230	116
		850	107	11960	112
		950	121	13040	108
		1A	135	14080	104

Notes:

1 Nominal lumens. Normal tolerance  $\pm 10\%$  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)
GCM2	30H	530	48	6330	132
		610	58	7440	128
		700	68	8550	126
		850	82	9830	120
		1A	101	11720	116
	40H	575	73	9590	131
		700	88	11260	128
		850	107	13270	124
		950	121	14390	119
		1A	135	15430	114

Notes:

1 Nominal lumens. Normal tolerance  $\pm 10\%$  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
GCM2	30H	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
		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
		1A	B2 U0 G2	B2 U0 G2	B2 U0 G2	B2 U0 G2	B3 U0 G2
	40H	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
		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
GCM2	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
		1A	B3 U0 G2	B2 U0 G2	B2 U0 G2	B3 U0 G2	B3 U0 G2
	40H	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
		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

#### 5000K (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
GCM2	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
		1A	B2 U0 G2	B2 U0 G2	B3 U0 G3	B3 U0 G2	B3 U0 G2
	40H	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
		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™ LED luminaire delivers exceptional performance in a highly scalable, low-profile design. Patented, high-efficiency AccuLED Optics™ 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.

<b>Catalog #</b>	GLEON-AF-01-LED-E1-SL4-HSS	<b>Type</b>	F1
<b>Project</b>		<b>Date</b>	
<b>Comments</b>			
<b>Prepared by</b>			

## SPECIFICATION FEATURES

### Construction

Extruded aluminum driver enclosure thermally isolated from Light Squares for optimal thermal performance. Heavy-wall, die-cast 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 Wye 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.



## GLEON GALLEON LED

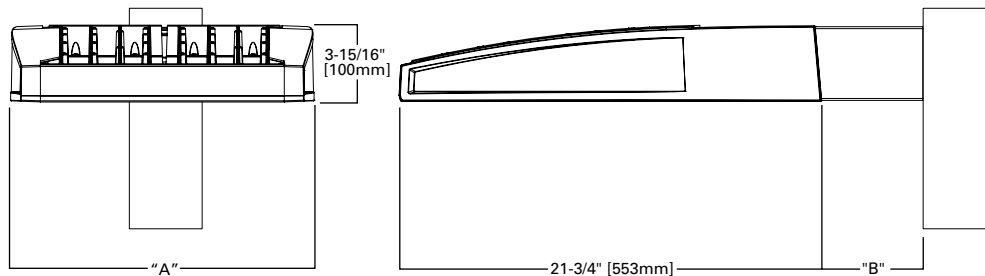
1-10 Light Squares  
Solid State LED

AREA/SITE LUMINAIRE



LumenSafe Technology  
[CLICK HERE](#)

## DIMENSIONS

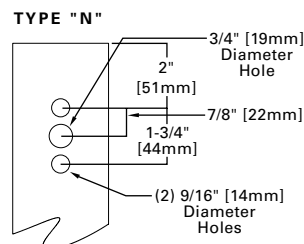


## DIMENSION DATA

Number of Light Squares	"A" Width	"B" Standard Arm Length	"B" Optional Arm Length <sup>1</sup>	Weight with Arm (lbs.)	EPA with Arm <sup>2</sup> (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.

## DRILLING PATTERN



## CERTIFICATION DATA

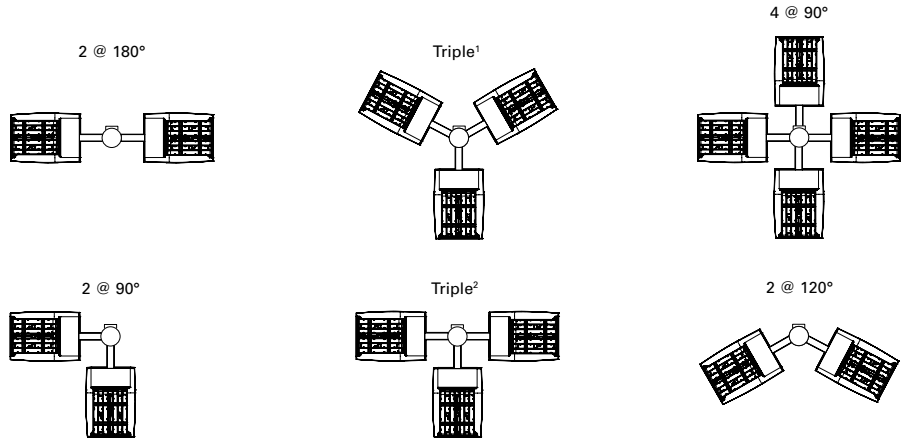
UL/cUL Wet Location Listed  
ISO 9001  
LM79 / LM80 Compliant  
3G Vibration Rated  
IP66 Rated  
DesignLights Consortium® Qualified\*

## 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)

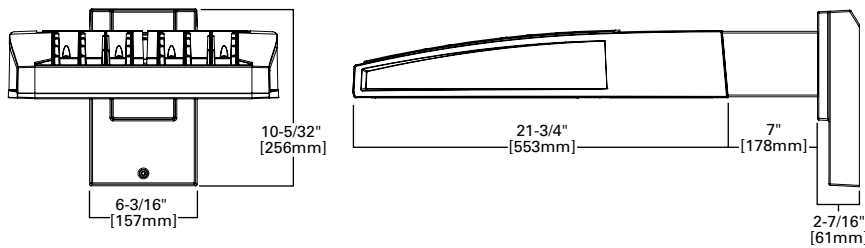
**ARM MOUNTING REQUIREMENTS**

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)

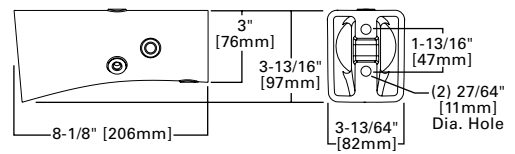


NOTES: 1 Round poles are 3 @ 120°. Square poles are 3 @ 90°. 2 Round poles are 3 @ 90°.

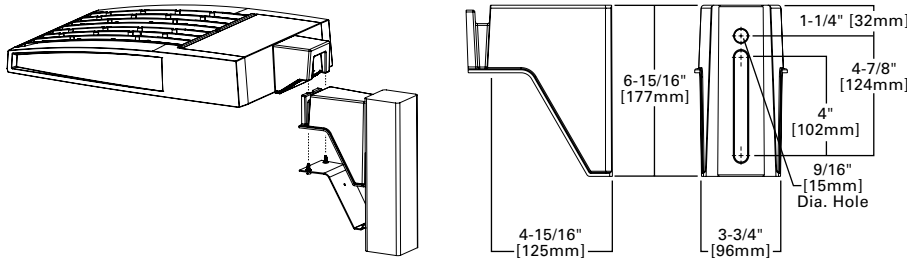
**STANDARD WALL MOUNT**



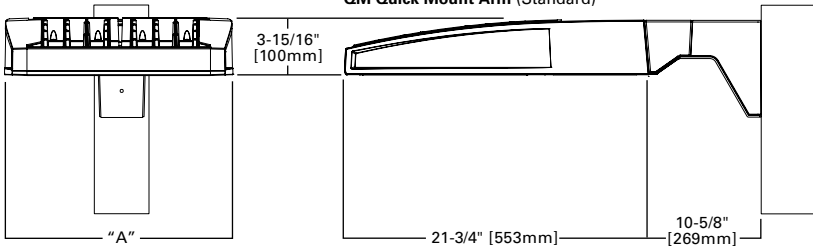
**MAST ARM MOUNT**



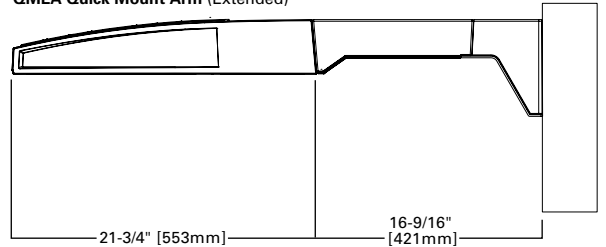
**QUICK MOUNT ARM (INCLUDES FIXTURE ADAPTER)**



QM Quick Mount Arm (Standard)



QMEA Quick Mount Arm (Extended)

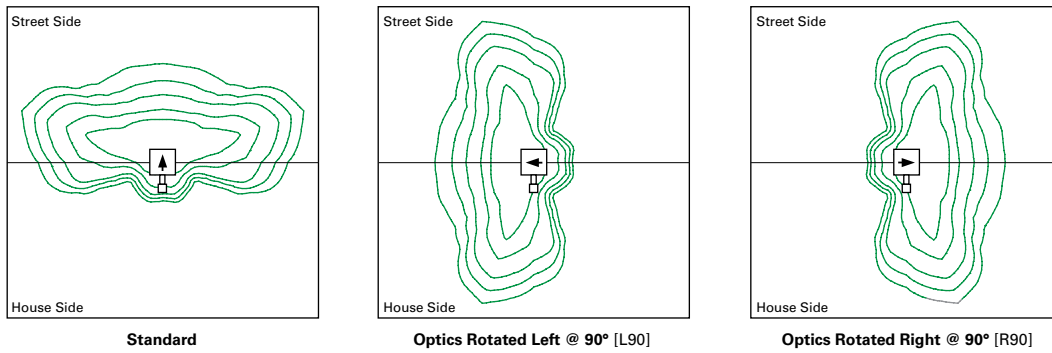


**QUICK MOUNT ARM DATA**

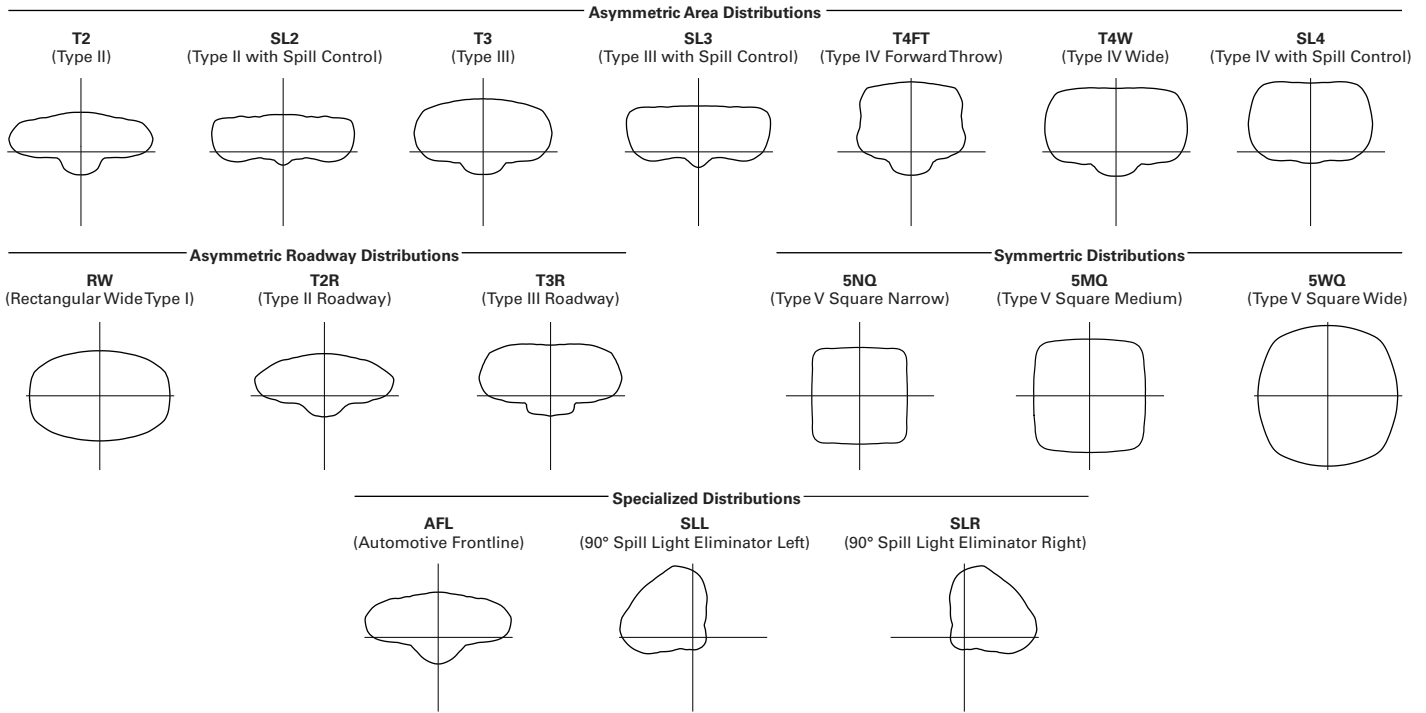
Number of Light Squares <sup>1,2</sup>	"A" Width	Weight with QM Arm (lbs.)	Weight with QMEA Arm (lbs.)	EPA (Sq. Ft.)
1-4	15-1/2" (394mm)	35 (15.91 kgs.)	38 (17.27 kgs.)	1.11
5-6 <sup>3</sup>	21-5/8" (549mm)	46 (20.91 kgs.)	49 (22.27 kgs.)	
7-8	27-5/8" (702mm)	56 (25.45 kgs.)	59 (26.82 kgs.)	

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.

**OPTIC ORIENTATION**



**OPTICAL DISTRIBUTIONS**

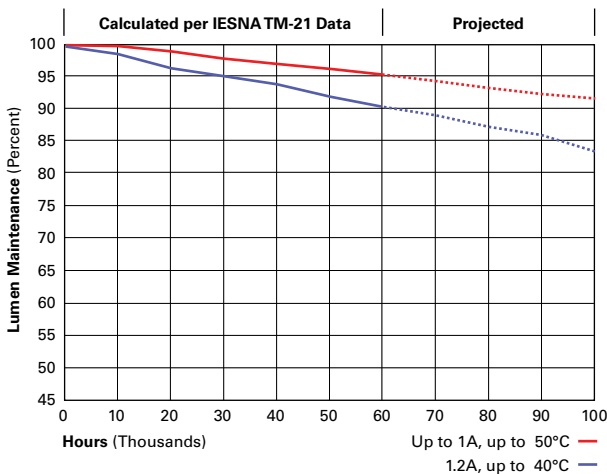


**LUMEN MAINTENANCE**

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



**NOMINAL POWER LUMENS (1.2A)**

Number of Light Squares	1	2	3	4	5	6	7	8	9	10	
<b>Nominal Power (Watts)</b>	67	129	191	258	320	382	448	511	575	640	
<b>Input Current @ 120V (A)</b>	0.58	1.16	1.78	2.31	2.94	3.56	4.09	4.71	5.34	5.87	
<b>Input Current @ 208V (A)</b>	0.33	0.63	0.93	1.27	1.57	1.87	2.22	2.52	2.8	3.14	
<b>Input Current @ 240V (A)</b>	0.29	0.55	0.80	1.10	1.35	1.61	1.93	2.18	2.41	2.71	
<b>Input Current @ 277V (A)</b>	0.25	0.48	0.70	0.96	1.18	1.39	1.69	1.90	2.09	2.36	
<b>Input Current @ 347V (A)</b>	0.20	0.39	0.57	0.78	0.96	1.15	1.36	1.54	1.72	1.92	
<b>Input Current @ 480V (A)</b>	0.15	0.30	0.43	0.60	0.73	0.85	1.03	1.16	1.28	1.45	
<b>Optics</b>											
<b>T2</b>	4000K/5000K Lumens	6,709	13,111	19,562	25,848	32,026	38,325	45,324	51,355	57,286	63,424
	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
<b>T2R</b>	4000K/5000K Lumens	7,122	13,919	20,769	27,442	34,000	40,687	48,117	54,519	60,816	67,333
	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
<b>T3</b>	4000K/5000K Lumens	6,838	13,363	19,939	26,346	32,642	39,062	46,196	52,343	58,388	64,646
	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
<b>T3R</b>	4000K/5000K Lumens	6,990	13,660	20,382	26,931	33,368	39,930	47,223	53,506	59,686	66,081
	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
<b>T4FT</b>	4000K/5000K Lumens	6,878	13,440	20,055	26,499	32,832	39,289	46,464	52,646	58,726	65,020
	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
<b>T4W</b>	4000K/5000K Lumens	6,789	13,267	19,795	26,156	32,408	38,781	45,864	51,967	57,968	64,180
	3000K Lumens	6,010	11,744	17,523	23,153	28,688	34,329	40,599	46,001	51,313	56,812
	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
<b>SL2</b>	4000K/5000K Lumens	6,697	13,088	19,529	25,804	31,970	38,259	45,245	51,267	57,186	63,315
	3000K Lumens	5,928	11,585	17,287	22,842	28,300	33,867	40,051	45,382	50,621	56,046
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
<b>SL3</b>	4000K/5000K Lumens	6,837	13,361	19,936	26,342	32,639	39,057	46,189	52,336	58,380	64,636
	3000K Lumens	6,052	11,827	17,647	23,318	28,892	34,573	40,887	46,328	51,678	57,216
	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
<b>SL4</b>	4000K/5000K Lumens	6,496	12,695	18,943	25,029	31,011	37,110	43,886	49,727	55,470	61,414
	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
<b>5NQ</b>	4000K/5000K Lumens	7,052	13,781	20,564	27,171	33,664	40,285	47,641	53,981	60,215	66,669
	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
<b>5MQ</b>	4000K/5000K Lumens	7,182	14,034	20,942	27,671	34,284	41,027	48,518	54,975	61,323	67,896
	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
<b>5WQ</b>	4000K/5000K Lumens	7,201	14,073	20,998	27,744	34,375	41,136	48,648	55,121	61,487	68,077
	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
<b>SLL/SLR</b>	4000K/5000K Lumens	6,009	11,741	17,519	23,148	28,681	34,321	40,589	45,990	51,301	56,798
	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
<b>RW</b>	4000K/5000K Lumens	6,989	13,657	20,378	26,925	33,360	39,921	47,211	53,494	59,672	66,066
	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
<b>AFL</b>	4000K/5000K Lumens	7,014	13,706	20,452	27,023	33,481	40,066	47,383	53,688	59,888	66,306
	3000K Lumens	6,209	12,133	18,104	23,921	29,637	35,466	41,943	47,525	53,013	58,694
	BUG Rating	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 data for 70 CRI.

**NOMINAL POWER LUMENS (1A)**

Number of Light Squares	1	2	3	4	5	6	7	8	9	10	
<b>Nominal Power (Watts)</b>	59	113	166	225	279	333	391	445	501	558	
<b>Input Current @ 120V (A)</b>	0.51	1.02	1.53	2.03	2.55	3.06	3.56	4.08	4.6	5.07	
<b>Input Current @ 208V (A)</b>	0.29	0.56	0.82	1.11	1.37	1.64	1.93	2.19	2.46	2.75	
<b>Input Current @ 240V (A)</b>	0.26	0.48	0.71	0.96	1.19	1.41	1.67	1.89	2.12	2.39	
<b>Input Current @ 277V (A)</b>	0.23	0.42	0.61	0.83	1.03	1.23	1.45	1.65	1.84	2.09	
<b>Input Current @ 347V (A)</b>	0.17	0.32	0.50	0.64	0.82	1.00	1.14	1.32	1.50	1.68	
<b>Input Current @ 480V (A)</b>	0.14	0.24	0.37	0.48	0.61	0.75	0.91	0.99	1.12	1.28	
<b>Optics</b>											
<b>T2</b>	4000K/5000K Lumens	6,116	11,951	17,833	23,563	29,195	34,937	41,317	46,814	52,221	57,817
	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
<b>T2R</b>	4000K/5000K Lumens	6,493	12,688	18,932	25,015	30,994	37,090	43,863	49,699	55,439	61,380
	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
<b>T3</b>	4000K/5000K Lumens	6,234	12,181	18,176	24,017	29,756	35,609	42,111	47,715	53,225	58,930
	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	B4-U0-G5	B4-U0-G5	B4-U0-G5
<b>T3R</b>	4000K/5000K Lumens	6,372	12,453	18,580	24,550	30,418	36,400	43,048	48,776	54,409	60,239
	3000K Lumens	5,640	11,023	16,447	21,732	26,926	32,221	38,106	43,177	48,163	53,324
	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
<b>T4FT</b>	4000K/5000K Lumens	6,270	12,252	18,282	24,156	29,929	35,815	42,356	47,992	53,534	59,271
	3000K Lumens	5,550	10,845	16,183	21,383	26,493	31,703	37,494	42,483	47,388	52,467
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
<b>T4W</b>	4000K/5000K Lumens	6,189	12,094	18,045	23,844	29,543	35,352	41,809	47,372	52,843	58,506
	3000K Lumens	5,479	10,706	15,973	21,107	26,151	31,294	37,009	41,934	46,777	51,790
	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
<b>SL2</b>	4000K/5000K Lumens	6,105	11,931	17,803	23,522	29,144	34,877	41,245	46,734	52,130	57,717
	3000K Lumens	5,404	10,561	15,759	20,822	25,798	30,873	36,510	41,369	46,145	51,091
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
<b>SL3</b>	4000K/5000K Lumens	6,233	12,180	18,174	24,013	29,753	35,604	42,106	47,708	53,218	58,921
	3000K Lumens	5,517	10,782	16,088	21,256	26,337	31,517	37,272	42,231	47,109	52,157
	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	B4-U0-G5	B4-U0-G5
<b>SL4</b>	4000K/5000K Lumens	5,922	11,572	17,268	22,816	28,269	33,829	40,006	45,330	50,566	55,984
	3000K Lumens	5,242	10,244	15,286	20,197	25,024	29,945	35,413	40,126	44,761	49,557
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
<b>5NQ</b>	4000K/5000K Lumens	6,429	12,563	18,746	24,768	30,688	36,723	43,429	49,208	54,891	60,775
	3000K Lumens	5,691	11,121	16,594	21,925	27,165	32,507	38,443	43,559	48,590	53,798
	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
<b>5MQ</b>	4000K/5000K Lumens	6,547	12,794	19,090	25,224	31,253	37,400	44,228	50,114	55,902	61,893
	3000K Lumens	5,795	11,325	16,898	22,328	27,665	33,106	39,151	44,361	49,484	54,788
	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
<b>5WQ</b>	4000K/5000K Lumens	6,564	12,828	19,141	25,291	31,336	37,499	44,347	50,248	56,051	62,058
	3000K Lumens	5,810	11,355	16,944	22,388	27,739	33,194	39,256	44,480	49,616	54,934
	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
<b>SLL/SLR</b>	4000K/5000K Lumens	5,478	10,703	15,970	21,102	26,145	31,286	37,001	41,924	46,765	51,777
	3000K Lumens	4,849	9,474	14,137	18,679	23,144	27,694	32,753	37,111	41,396	45,833
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
<b>RW</b>	4000K/5000K Lumens	6,371	12,449	18,576	24,544	30,411	36,392	43,037	48,764	54,396	60,225
	3000K Lumens	5,640	11,020	16,443	21,726	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
<b>AFL</b>	4000K/5000K Lumens	6,394	12,494	18,644	24,634	30,521	36,524	43,194	48,942	54,593	60,444
	3000K Lumens	5,660	11,060	16,504	21,806	27,017	32,331	38,235	43,323	48,326	53,505
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4

\* Nominal data for 70 CRI.



**NOMINAL POWER LUMENS (800MA)**

Number of Light Squares	1	2	3	4	5	6	7	8	9	10	
<b>Nominal Power (Watts)</b>	44	85	124	171	210	249	295	334	374	419	
<b>Input Current @ 120V (A)</b>	0.39	0.77	1.13	1.54	1.90	2.26	2.67	3.03	3.39	3.80	
<b>Input Current @ 208V (A)</b>	0.22	0.44	0.62	0.88	1.06	1.24	1.50	1.68	1.87	2.12	
<b>Input Current @ 240V (A)</b>	0.19	0.38	0.54	0.76	0.92	1.08	1.30	1.46	1.62	1.84	
<b>Input Current @ 277V (A)</b>	0.17	0.36	0.47	0.72	0.83	0.95	1.19	1.31	1.42	1.67	
<b>Input Current @ 347V (A)</b>	0.15	0.24	0.38	0.49	0.63	0.77	0.87	1.01	1.15	1.52	
<b>Input Current @ 480V (A)</b>	0.11	0.18	0.29	0.37	0.48	0.59	0.66	0.77	0.88	0.96	
<b>Optics</b>											
<b>T2</b>	4000K/5000K Lumens	4,941	9,656	14,408	19,038	23,588	28,227	33,382	37,823	42,191	46,713
	3000K Lumens	4,374	8,547	12,754	16,852	20,880	24,987	29,550	33,481	37,347	41,350
	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
<b>T2R</b>	4000K/5000K Lumens	5,246	10,251	15,296	20,211	25,041	29,966	35,439	40,154	44,791	49,592
	3000K Lumens	4,644	9,074	13,540	17,891	22,166	26,526	31,371	35,544	39,649	43,899
	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
<b>T3</b>	4000K/5000K Lumens	5,037	9,842	14,685	19,404	24,041	28,770	34,024	38,551	43,003	47,612
	3000K Lumens	4,459	8,712	12,999	17,176	21,281	25,467	30,118	34,125	38,066	42,146
	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
<b>T3R</b>	4000K/5000K Lumens	5,148	10,061	15,011	19,835	24,576	29,409	34,780	39,408	43,959	48,669
	3000K Lumens	4,557	8,906	13,288	17,558	21,755	26,033	30,787	34,884	38,913	43,082
	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
<b>T4FT</b>	4000K/5000K Lumens	5,066	9,899	14,770	19,516	24,181	28,936	34,221	38,774	43,252	47,888
	3000K Lumens	4,484	8,763	13,074	17,276	21,405	25,614	30,292	34,323	38,287	42,390
	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
<b>T4W</b>	4000K/5000K Lumens	5,000	9,771	14,579	19,264	23,869	28,562	33,779	38,274	42,694	47,269
	3000K Lumens	4,426	8,649	12,905	17,052	21,129	25,283	29,901	33,880	37,793	41,843
	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
<b>SL2</b>	4000K/5000K Lumens	4,933	9,639	14,383	19,005	23,547	28,178	33,324	37,758	42,118	46,632
	3000K Lumens	4,367	8,532	12,732	16,823	20,844	24,943	29,498	33,423	37,283	41,279
	BUG Rating	B1-U0-G2	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
<b>SL3</b>	4000K/5000K Lumens	5,036	9,841	14,683	19,401	24,039	28,766	34,019	38,546	42,997	47,605
	3000K Lumens	4,458	8,711	12,997	17,174	21,279	25,464	30,114	34,121	38,061	42,140
	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
<b>SL4</b>	4000K/5000K Lumens	4,784	9,350	13,951	18,434	22,840	27,332	32,323	36,624	40,854	45,232
	3000K Lumens	4,235	8,277	12,349	16,318	20,218	24,194	28,612	32,420	36,164	40,039
	BUG Rating	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G5	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
<b>5NQ</b>	4000K/5000K Lumens	5,194	10,150	15,145	20,011	24,794	29,670	35,088	39,757	44,349	49,102
	3000K Lumens	4,598	8,985	13,406	17,714	21,948	26,264	31,060	35,193	39,258	43,465
	BUG Rating	B2-U0-G1	B3-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-G3
<b>5MQ</b>	4000K/5000K Lumens	5,290	10,337	15,424	20,380	25,250	30,217	35,734	40,489	45,165	50,006
	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-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
<b>5WQ</b>	4000K/5000K Lumens	5,304	10,365	15,465	20,434	25,318	30,297	35,830	40,597	45,286	50,139
	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	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
<b>SLL/SLR</b>	4000K/5000K Lumens	4,426	8,648	12,903	17,049	21,124	25,278	29,894	33,872	37,784	41,832
	3000K Lumens	3,918	7,655	11,422	15,092	18,699	22,376	26,462	29,983	33,446	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	B3-U0-G5	B3-U0-G5
<b>RW</b>	4000K/5000K Lumens	5,147	10,058	15,009	19,830	24,570	29,402	34,771	39,399	43,949	48,658
	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	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4
<b>AFL</b>	4000K/5000K Lumens	5,166	10,095	15,063	19,903	24,659	29,509	34,898	39,542	44,108	48,835
	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	B3-U0-G3	B3-U0-G3	B3-U0-G3

\* Nominal data for 70 CRI.

**NOMINAL POWER LUMENS (600MA)**

Number of Light Squares	1	2	3	4	5	6	7	8	9	10	
<b>Nominal Power (Watts)</b>	34	66	96	129	162	193	226	257	290	323	
<b>Input Current @ 120V (A)</b>	0.30	0.58	0.86	1.16	1.44	1.73	2.03	2.33	2.59	2.89	
<b>Input Current @ 208V (A)</b>	0.17	0.34	0.49	0.65	0.84	0.99	1.14	1.30	1.48	1.63	
<b>Input Current @ 240V (A)</b>	0.15	0.30	0.43	0.56	0.74	0.87	1.00	1.13	1.30	1.43	
<b>Input Current @ 277V (A)</b>	0.14	0.28	0.41	0.52	0.69	0.81	0.93	1.04	1.22	1.33	
<b>Input Current @ 347V (A)</b>	0.11	0.19	0.30	0.39	0.49	0.60	0.69	0.77	0.90	0.99	
<b>Input Current @ 480V (A)</b>	0.08	0.15	0.24	0.30	0.38	0.48	0.53	0.59	0.71	0.77	
<b>Optics</b>											
<b>T2</b>	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
<b>T2R</b>	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
<b>T3</b>	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
<b>T3R</b>	4000K/5000K Lumens	4,198	8,205	12,242	16,175	20,041	23,982	28,363	32,137	35,848	39,689
	3000K Lumens	3,716	7,263	10,837	14,318	17,740	21,229	25,107	28,448	31,733	35,133
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
<b>T4FT</b>	4000K/5000K Lumens	4,131	8,072	12,045	15,915	19,719	23,597	27,907	31,620	35,272	39,052
	3000K Lumens	3,657	7,145	10,662	14,088	17,455	20,888	24,703	27,990	31,223	34,569
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
<b>T4W</b>	4000K/5000K Lumens	4,077	7,968	11,889	15,710	19,465	23,292	27,546	31,212	34,816	38,547
	3000K Lumens	3,609	7,053	10,524	13,906	17,230	20,618	24,384	27,629	30,819	34,122
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
<b>SL2</b>	4000K/5000K Lumens	4,022	7,861	11,729	15,498	19,202	22,979	27,175	30,791	34,347	38,028
	3000K Lumens	3,560	6,959	10,383	13,719	16,998	20,341	24,055	27,256	30,404	33,662
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
<b>SL3</b>	4000K/5000K Lumens	4,106	8,025	11,974	15,821	19,603	23,458	27,742	31,433	35,064	38,821
	3000K Lumens	3,635	7,104	10,599	14,005	17,353	20,765	24,557	27,824	31,039	34,364
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
<b>SL4</b>	4000K/5000K Lumens	3,902	7,624	11,377	15,033	18,626	22,289	26,359	29,867	33,316	36,886
	3000K Lumens	3,454	6,749	10,071	13,307	16,488	19,730	23,333	26,438	29,491	32,651
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5
<b>5NQ</b>	4000K/5000K Lumens	4,236	8,277	12,351	16,319	20,219	24,196	28,614	32,422	36,166	40,042
	3000K Lumens	3,750	7,327	10,933	14,446	17,898	21,418	25,329	28,700	32,014	35,445
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3
<b>5MQ</b>	4000K/5000K Lumens	4,314	8,429	12,578	16,619	20,591	24,641	29,141	33,019	36,832	40,779
	3000K Lumens	3,819	7,461	11,134	14,711	18,227	21,812	25,796	29,228	32,604	36,098
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
<b>5WQ</b>	4000K/5000K Lumens	4,325	8,452	12,611	16,664	20,646	24,707	29,219	33,106	36,930	40,888
	3000K Lumens	3,828	7,482	11,163	14,751	18,276	21,871	25,865	29,305	32,690	36,194
	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
<b>SLL/SLR</b>	4000K/5000K Lumens	3,609	7,052	10,522	13,903	17,226	20,613	24,378	27,622	30,812	34,114
	3000K Lumens	3,195	6,242	9,314	12,307	15,248	18,247	21,579	24,451	27,275	30,198
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
<b>RW</b>	4000K/5000K Lumens	4,197	8,202	12,239	16,171	20,036	23,977	28,356	32,129	35,839	39,680
	3000K Lumens	3,715	7,260	10,834	14,315	17,736	21,224	25,101	28,441	31,725	35,125
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
<b>AFL</b>	4000K/5000K Lumens	4,213	8,232	12,284	16,230	20,109	24,064	28,459	32,246	35,969	39,824
	3000K Lumens	3,729	7,287	10,874	14,367	17,800	21,301	25,192	28,544	31,840	35,252
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3

\* Nominal data for 70 CRI.

**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.

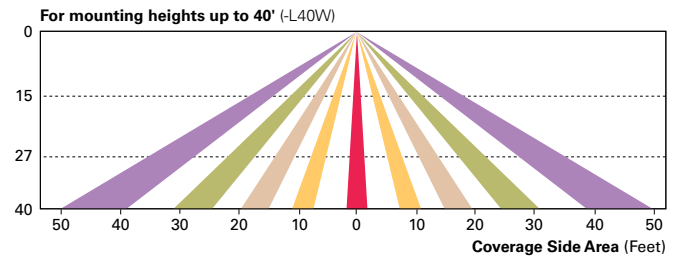
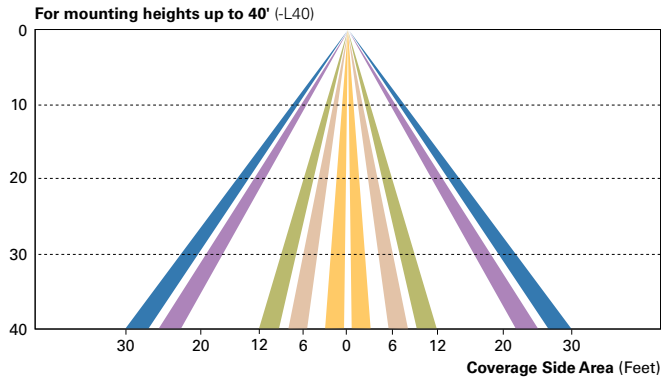
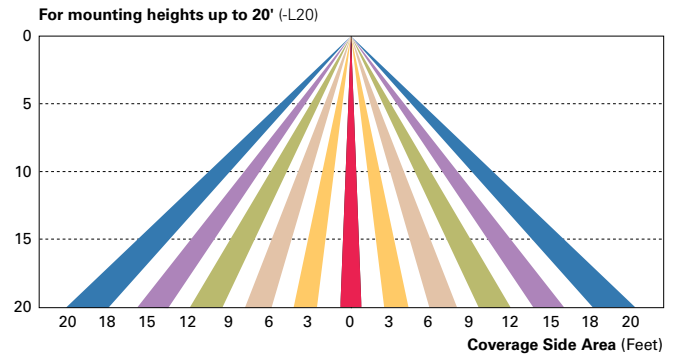
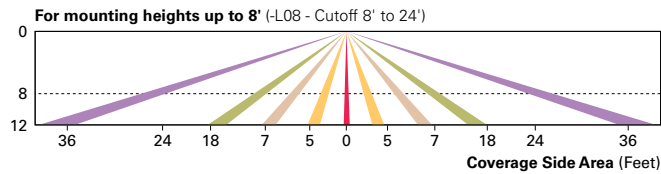
**After Hours Dim (AHD)**

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)**

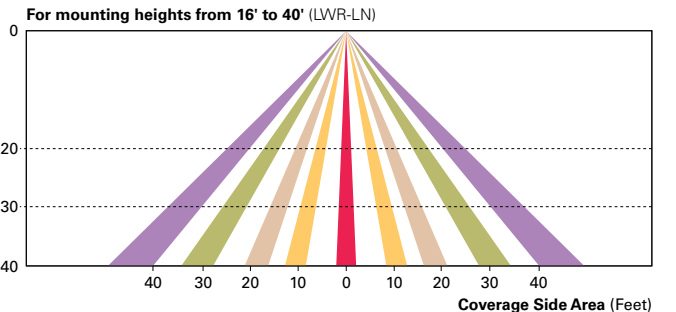
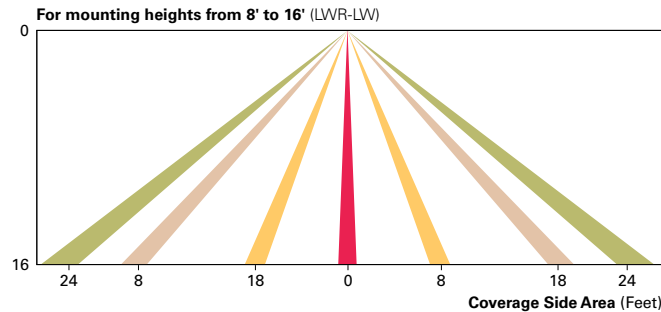
These sensors are factory installed in the luminaire housing. When the MS/DIM-LXX sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The 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'.



**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.

**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.

ORDERING INFORMATION


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 Roadway T3=Type III T3R=Type III Roadway T4FT=Type IV Forward Throw T4W=Type IV Wide 5NQ=Type V Narrow 5MQ=Type V Square Medium 5WQ=Type V Square Wide SL2=Type II w/Spill Control SL3=Type III w/Spill Control SL4=Type IV w/Spill Control SLL=90° Spill Light Eliminator Left SLR=90° Spill Light Eliminator Right <b>RW=Rectangular Wide Type I</b> 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 Suffix)	Accessories (Order Separately)
<p>7030=70 CRI 3000K<sup>13</sup> 8030=80 CRI 3000K<sup>14</sup> 7050=70 CRI 5000K<sup>13</sup> 7060=70 CRI 6000K<sup>13</sup> 600=Drive Current Factory Set to Nominal 600mA<sup>15</sup> 800=Drive Current Factory Set to Nominal 800mA<sup>15</sup> 1200=Drive Current Factory Set to Nominal 1200mA<sup>15,16</sup> F=Single Fuse (120, 277 or 347V. Must Specify Voltage) FF=Double Fuse (208, 240 or 480V. Must Specify Voltage) 2L=Two Circuits<sup>17,18</sup> DIM=External 0-10V Dimming Leads<sup>19,20</sup> P=Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Voltage)<sup>21</sup> PER7=NEMA 7-PIN Twistlock Photocontrol Receptacle<sup>21</sup> R=NEMA Twistlock Photocontrol Receptacle<sup>21</sup> AHD145=After Hours Dim, 5 Hours<sup>22</sup> AHD245=After Hours Dim, 6 Hours<sup>22</sup> AHD255=After Hours Dim, 7 Hours<sup>22</sup> AHD355=After Hours Dim, 8 Hours<sup>22</sup> HA=50°C High Ambient<sup>23</sup> MS/DIM-L08=Motion Sensor for Dimming Operation, Maximum 8' Mounting Height<sup>24,25</sup> MS/DIM-L20=Motion Sensor for Dimming Operation, 9' - 20' Mounting Height<sup>24,25</sup> MS/DIM-L40=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height<sup>24,27</sup> MS/DIM-L40W=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height (Wide Range)<sup>24,28</sup> MS/X-L08=Bi-Level Motion Sensor, Maximum 8' Mounting Height<sup>24,25,29</sup> MS/X-L20=Bi-Level Motion Sensor, 9' - 20' Mounting Height<sup>24,26,29</sup> MS/X-L40=Bi-Level Motion Sensor, 21' - 40' Mounting Height<sup>22,27,29</sup> MS/X-L40W=Bi-Level Motion Sensor, 21' - 40' Mounting Height (Wide Range)<sup>24,28,29</sup> MS-L08=Motion Sensor for ON/OFF Operation, Maximum 8' Mounting Height<sup>24,25</sup> MS-L20=Motion Sensor for ON/OFF Operation, 9' - 20' Mounting Height<sup>24,26</sup> MS-L40=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height<sup>24,27</sup> MS-L40W=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height (Wide Range)<sup>24,28</sup> LWR-LW=LumaWatt Pro Wireless Sensor, Wide Lens for 8' - 16' Mounting Height<sup>30,(A)</sup> LWR-LN=LumaWatt Pro Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height<sup>30,(A)</sup> WOLC-7P-10A=WaveLinx Wireless Outdoor Lighting Control Module<sup>(B)</sup> L90=Optics Rotated 90° Left R90=Optics Rotated 90° Right MT=Factory Installed Mesh Top TH=Tool-less Door Hardware LCF=Light Square Trim Plate Painted to Match Housing<sup>31</sup> HSS=Factory Installed House Side Shield<sup>32</sup> CE=CE Marking<sup>33</sup></p>	<p>OA/RA1016=NEMA Photocontrol Multi-Tap - 105-285V OA/RA1027=NEMA Photocontrol - 480V OA/RA1201=NEMA Photocontrol - 347V OA/RA1013=Photocontrol Shorting Cap OA/RA1014=120V Photocontrol MA1252=10kV Surge Module Replacement MA1036-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon MA1037-XX=2 @ 180° Tenon Adapter for 2-3/8" O.D. Tenon MA1197-XX=3 @ 120° Tenon Adapter for 2-3/8" O.D. Tenon MA1188-XX=4 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon MA1189-XX=2 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon MA1190-XX=3 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon MA1191-XX=2 @ 120° Tenon Adapter for 2-3/8" O.D. Tenon MA1038-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon MA1039-XX=2 @ 180° Tenon Adapter for 3-1/2" O.D. Tenon MA1192-XX=3 @ 120° Tenon Adapter for 3-1/2" O.D. Tenon MA1193-XX=4 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon MA1194-XX=2 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon MA1195-XX=3 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon FSIR-100=Wireless Configuration Tool for Occupancy Sensor<sup>34</sup> GLEON-MT1=Field Installed Mesh Top for 1-4 Light Squares GLEON-MT2=Field Installed Mesh Top for 5-6 Light Squares GLEON-MT3=Field Installed Mesh Top for 7-8 Light Squares GLEON-MT4=Field Installed Mesh Top for 9-10 Light Squares GLEON-QM=Quick Mount Arm Kit<sup>10</sup> GLEON-QMEA=Quick Mount Extended Arm Kit<sup>11</sup> LS/HSS=Field Installed House Side Shield<sup>32,33</sup> WOLC-7P-10A=WaveLinx Outdoor Control Module (7-pin)<sup>35,(B)</sup></p>

**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® 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 (QM) 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. 14 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 1 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. 16 Not available with HA option. 17 2L is not available with MS, MS/X or MS/DIM at 347V or 480V. 2L in AF-02 through AF-04 requires a larger housing, normally used for AF-05 or AF-06. Extended arm option may be required when mounting two or more fixtures per pole at 90° or 120°. Refer to arm mounting requirement table. 18 Not available with LumaWatt Pro wireless sensors. 19 Cannot be used with other control options. 20 Low voltage control lead brought out 18" outside fixture. 21 Not available if any "MS" sensor is selected. Motion sensor has an integral photocell. 22 Requires the use of P photocontrol or the PER7 or R photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental guide for additional information. 23 50°C lumen maintenance data applies to 600mA, 800mA and 1A drive currents. 24 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. 25 Approximately 22" detection diameter at 8' mounting height. 26 Approximately 40" detection diameter at 20' mounting height. 27 Approximately 60" detection diameter at 40' mounting height. 28 Approximately 100" detection diameter at 40' mounting height. 29 Replace X with number of Light Squares operating in low output mode. 30 LumaWatt Pro wireless sensors are factory installed only requiring network components LWP-EM-1, LWP-GW-1 and LWP-PoE8 in appropriate quantities. See www.eaton.com/lighting for LumaWatt Pro application information. 31 Not available with house side shield (HSS). 32 Only for use with SL2, SL3, SL4 and AFL distributions. The Light Square trim plate is painted black when the HSS option is selected. 33 CE is not available with the LWR, MS, MS/X, MS/DIM, P, R or PER7 options. Available in 120-277V only. 34 One required for each Light Square. 35 Requires 7-pin NEMA twistlock photocontrol receptacle.

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

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

\*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.

## DESCRIPTION

The Galleon™ 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.

<b>Catalog #</b>	GWC-AF-01-LED-SL4-800	<b>Type</b>	WP1
<b>Project</b>		<b>Date</b>	
<b>Comments</b>			
<b>Prepared by</b>			

## 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 upright housing with additional protections to maintain IP rating.

### Optics

Choice of thirteen patented, high-efficiency 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%

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.

### 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 quick 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.

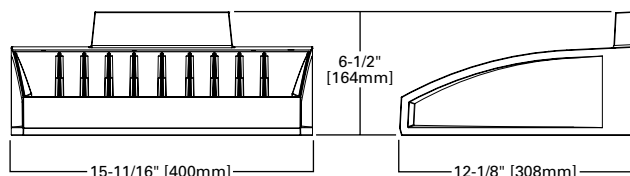


## GWC GALLEON WALL

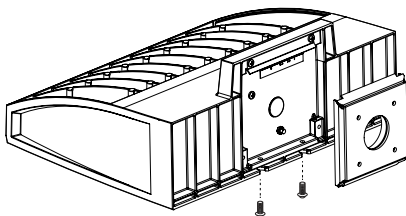
1-2 Light Squares  
Solid State LED

WALL MOUNT LUMINAIRE

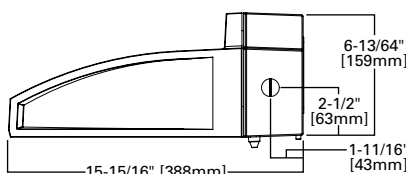
## DIMENSIONS



## HOOK-N-LOCK MOUNTING



## BATTERY BACKUP AND THRU-BRANCH BACK BOX



### CERTIFICATION DATA

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

### 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.)

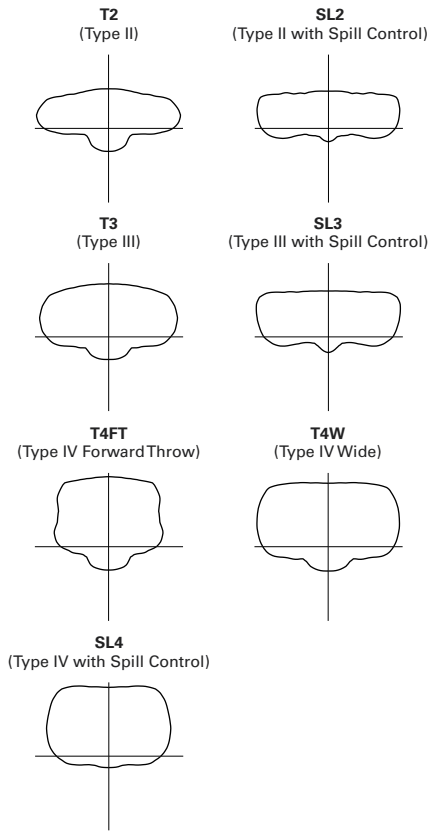
**POWER AND LUMENS**

Number of Light Squares	1				2				
	600mA	800mA	1.0A	1.2A	600mA	800mA	1.0A	1.2A	
Drive Current	600mA	800mA	1.0A	1.2A	600mA	800mA	1.0A	1.2A	
Nominal Power (Watts)	34	44	59	67	66	85	113	129	
Input Current @ 120V (A)	0.30	0.39	0.51	0.58	0.58	0.77	1.02	1.16	
Input Current @ 208V (A)	0.17	0.22	0.29	0.33	0.34	0.44	0.56	0.63	
Input Current @ 240V (A)	0.15	0.19	0.26	0.29	0.30	0.38	0.48	0.55	
Input Current @ 277V (A)	0.14	0.17	0.23	0.25	0.28	0.36	0.42	0.48	
Input Current @ 347V (mA)	0.11	0.15	0.17	0.20	0.19	0.24	0.32	0.39	
Input Current @ 480V (mA)	0.08	0.11	0.14	0.15	0.15	0.18	0.24	0.30	
<b>Optics</b>									
T2	4000K/5000K Lumens	4,110	5,040	6,238	6,843	8,031	9,849	12,190	13,373
	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
T3	4000K/5000K Lumens	4,189	5,138	6,359	6,975	8,187	10,039	12,425	13,630
	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
T4FT	4000K/5000K Lumens	4,214	5,167	6,395	7,016	8,233	10,097	12,497	13,709
	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
T4W	4000K/5000K Lumens	4,159	5,100	6,313	6,925	8,127	9,966	12,336	13,532
	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
SL2	4000K/5000K Lumens	4,102	5,032	6,227	6,831	8,018	9,832	12,170	13,350
	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
SL3	4000K/5000K Lumens	4,188	5,137	6,358	6,974	8,186	10,038	12,424	13,628
	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
SL4	4000K/5000K Lumens	3,980	4,880	6,040	6,626	7,776	9,537	11,803	12,949
	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
5NQ	4000K/5000K Lumens	4,321	5,298	6,558	7,193	8,443	10,353	12,814	14,057
	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
5MQ	4000K/5000K Lumens	4,400	5,396	6,678	7,326	8,598	10,544	13,050	14,315
	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
5WQ	4000K/5000K Lumens	4,412	5,410	6,695	7,345	8,621	10,572	13,085	14,354
	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
SLL/SLR	4000K/5000K Lumens	3,681	4,515	5,588	6,129	7,193	8,821	10,917	11,976
	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
RW	4000K/5000K Lumens	4,281	5,250	6,498	7,129	8,366	10,259	12,698	13,930
	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

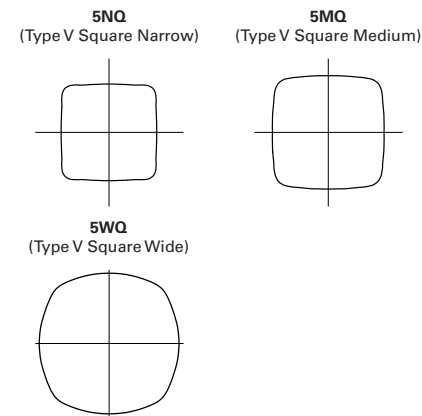
\* Nominal lumen data for 70 CRI. BUG rating for 4000K/5000K. Refer to IES files for 3000K BUG ratings.

**OPTICAL DISTRIBUTIONS**

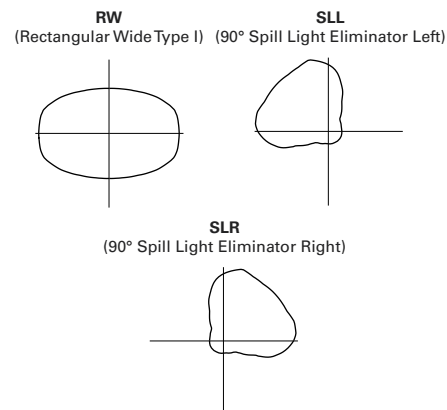
**Asymmetric Area Distributions**



**Symmertric Distributions**

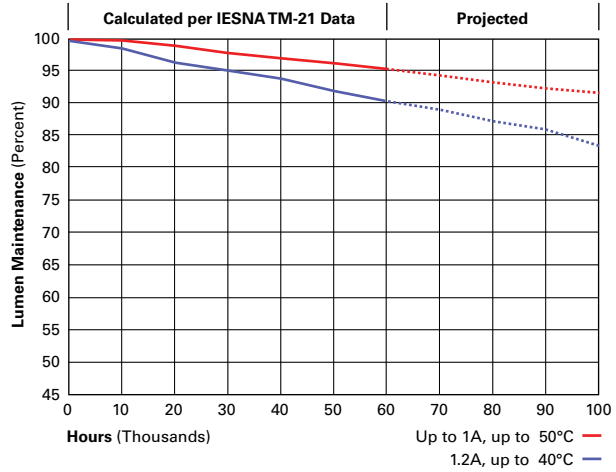


**Specialized Distributions**



**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

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.

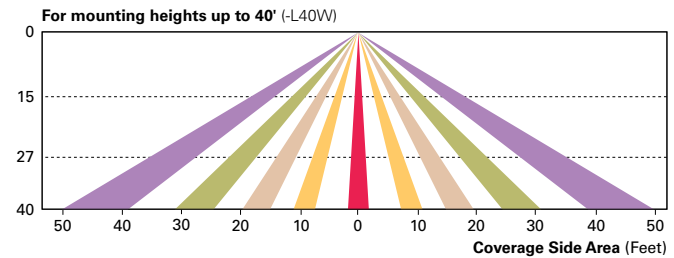
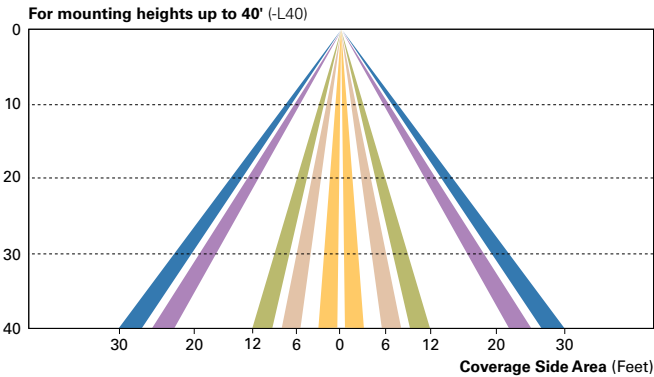
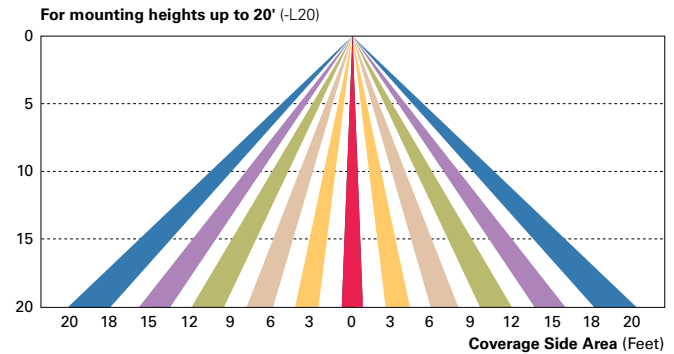
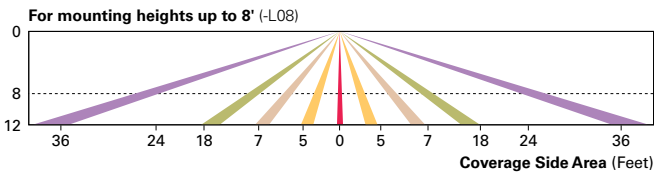
After Hours Dim (AHD)

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)

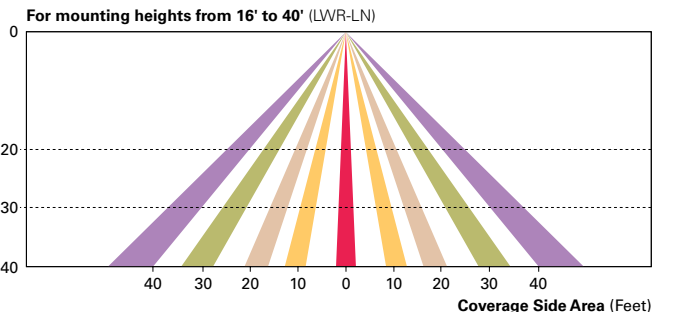
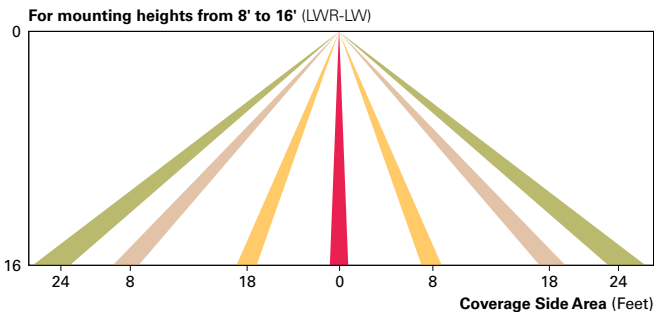
These sensors are factory installed in the luminaire housing. When the MS/DIM-LXX sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The 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.



**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	AF=1A Drive Current	01=1 02=2 <sup>3</sup>	LED=Solid State Light Emitting Diodes	E1=120-277V 347=347V <sup>4</sup> 480=480V <sup>4,5</sup>	T2=Type II T3=Type III T4FT=Type IV Forward Throw T4W=Type IV Wide SL2=Type II w/Spill Control SL3=Type III w/Spill Control SL4=Type IV w/Spill Control SLL=90° Spill Light Eliminator Left SLR=90° Spill Light Eliminator Right RW=Rectangular Wide Type I 5NQ=Type V Square Narrow 5MQ=Type V Square Medium 5WQ=Type V Square Wide	AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White CC=Custom Color <sup>6</sup>	[BLANK]=Surface Mount
<b>Options (Add as Suffix)</b>					<b>Accessories (Order Separately)</b>		
7030=70 CRI / 3000K <sup>7</sup> 8030=80 CRI / 3000K <sup>7</sup> 7050=70 CRI / 5000K <sup>7</sup> 7060=70 CRI / 6000K <sup>7</sup> 600=Drive Current Factory Set to 600mA 800=Drive Current Factory Set to 800mA 1200=Drive Current Factory Set to 1200mA <sup>8</sup> F=Single Fused (120, 277 or 347V. Must Specify Voltage) FF=Double Fused (208, 240 or 480V. Must Specify Voltage) 10K=10kV Surge Module DIM=0-10V Dimming Leads <sup>9,10</sup> DALI=DALI Driver <sup>11</sup> HA=50°C High Ambient <sup>12</sup> UPL=Uplight Housing <sup>13</sup> BBB=Battery Pack with Back Box <sup>3,8,9,14</sup> CWB=Cold Weather Battery Pack with Back Box <sup>3,8,9,14</sup> P=Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Voltage) R=NEMA Twistlock Photocontrol Receptacle PER7=NEMA 7-PIN Twistlock Photocontrol Receptacle <sup>15</sup> AHD145=After Hours Dim, 5 Hours <sup>16</sup> AHD245=After Hours Dim, 6 Hours <sup>16</sup> AHD255=After Hours Dim, 7 Hours <sup>16</sup> AHD355=After Hours Dim, 8 Hours <sup>16</sup> MS-LXX=Motion Sensor for On/Off Operation <sup>17,18,19</sup> MS/DIM-LXX=Motion Sensor for Dimming Operation <sup>17,18,19</sup> LWR-LW=LumaWatt Wireless Sensor, Wide Lens for 8' - 16' Mounting Height <sup>19,20,21</sup> LWR-LN=LumaWatt Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height <sup>19,20,21</sup> L90=Optics Rotated 90° Left R90=Optics Rotated 90° Right MT=Factory Installed Mesh Top LCF=Light Square Trim Plate Painted to Match Housing <sup>22</sup> HSS=Factory Installed House Side Shield <sup>23</sup> CE=CE Marking and Small Terminal Block <sup>24</sup>					OA/RA1013=Photocontrol Shorting Cap OA/RA1016=NEMA Photocontrol - Multi-Tap 105-285V OA/RA1201=NEMA Photocontrol - 347V OA/RA1027=NEMA Photocontrol - 480V MA1252=10kV Circuit Module Replacement MA1059XX=Thru-branch Back Box (Must Specify Color) FSIR-100=Wireless Configuration Tool for Occupancy Sensor <sup>17</sup> LS/HSS=Field Installed House Side Shield <sup>23,25</sup> WOLC-7P-10A=WaveLinX Outdoor Control Module (7-pin) <sup>26</sup>		

- NOTES:**
- DesignLight Consortium® Qualified. Refer to [www.designlights.org](http://www.designlights.org) Qualified 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.
  - 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).
  - Custom 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.
  - Cannot be used with other control options.
  - Low voltage control lead brought out 18" outside fixture.
  - Only available with BBB or CWB in single light square. HA option available for single light square only. Limited to 1A and below.
  - Not available with 1200, UPL, BBB and CWB options. Available for single light square only.
  - Not available with SL2, SL3, SL4, HA, BBB, CWB, R, or PER7 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 standard 3-PIN photocontrols, 5-PIN or 7-PIN ANSI controls.
  - Requires the use of P photocontrol or the PER7 or R photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental guide for additional 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.
  - Replace LXX with the available mounting height options: L08, L20, L40 or L40W are the only choices.
  - Includes integral photosensor.
  - LumaWatt wireless sensors are factory installed requiring network components in appropriate quantities. See [www.eaton.com/lighting](http://www.eaton.com/lighting) for LumaWatt application information.
  - Bronze sensor is shipped with Bronze fixtures. White sensor shipped on all other housing color options.
  - 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.
  - Requires 7-pin NEMA twistlock photocontrol receptacle.



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Specifications and dimensions subject to change without notice.