

# Memorandum

## Department of Planning

**To:** Planning and Public Works Committee  
**From:** Mike Knight, Assistant City Planner *JK*  
**Date:** January 23, 2020



**RE:** **Downtown Chesterfield Category C, Lot B (AC Hotel) SDSP:** A Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design for a 3.5 acre tract of land located northeast of the intersection of Wild Horse Creek Road and Old Chesterfield Road.

### **Summary**

This request is to allow for a development of a 128 room hotel including a 6,720 square foot conference center inside one 81,254 square foot building. The proposed building has a maximum height of about 71' and contains all surface parking. The building will be located in what is known as Lot B of "Category C" in 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. This project shares a primary access point with Lot A of Category C which is currently under construction for a 326,000 square foot mixed use building containing residential, commercial, and a restaurant. The materials of the proposed hotel are similar to the mixed use building of Lot A ranging from thin brick, EIFS, cultured stone, architectural metal panels, and aluminum storefront and glass.

The project was reviewed by the Architectural Review Board on Thursday, November 14, 2019. At that time the Board made a motion to forward the Site Development Section Plan to Planning Commission with a recommendation to approve with conditions. The applicant has since fulfilled those conditions.

The project was reviewed by the Planning Commission on January 13, 2020. At that time the Commission recommended approval of the request as submitted by a vote of 7-0.

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

Attached to this report please find a copy of the Planning Commission Staff Report, Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and the Architect's Statement of Design and updated renderings.

- Attachments: Planning Commission Staff Report  
Site Development Section Plan  
Landscape Plan  
Lighting Plan  
Architect's Statement of Design  
Architectural Elevations  
Rendering



**Figure 1: Aerial Image of Subject Site**



**VII. A.**

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## Planning Commission Staff Report

**Project Type:** Site Development Section Plan

**Meeting Date:** January 13, 2020

**From:** Mike Knight, Assistant City Planner *mk*

**Location:** A 3.5 acre tract of land located northeast of the intersection of Wild Horse Creek Road and Old Chesterfield Road.

**Description:** **Downtown Chesterfield Category C, Lot B (AC Hotel) SDSP:** A Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design for a 3.5 acre tract of land located northeast of the intersection of Wild Horse Creek Road and Old Chesterfield Road.

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### **PROPOSAL SUMMARY**

This request is to allow for a development of a 128 room hotel including a 6,720 square foot conference center inside one 81,254 square foot building. The proposed building has a maximum height of about 71' and contains all surface parking. The building will be located in what is known as Lot B of "Category C" in 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. This project shares a primary access point with Lot A of Category C which is currently under construction for a 326,000 square foot mixed use building containing residential, commercial, and a restaurant. The materials of the proposed hotel are similar to the mixed use building of Lot A ranging from thin brick, EIFS, cultured stone, architectural metal panels, and aluminum storefront and glass.

On Thursday November 14, 2019 the project was reviewed by the Architectural Review Board. 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 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 multiple zoning districts into one 99 acre "PC & R" Planned Commercial & Residence District known as Downtown Chesterfield.

The PC&R district 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. **This Site Development Section Plan is 3.5 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.** This section of land will continue to be referenced throughout the report.



*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 subject site is located directly south of Interstate 64. Given that WHCR and I-64 are both classified as major arterials in accordance 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 3.5 acres of the 99 acre PC&R zoning district known as Downtown Chesterfield.

**Zoning District:**

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 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 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.

**Connectivity (Vehicular and Pedestrian):**

This request is for one building containing both hotel rooms and conference area on a highly visible 3.5 acre site. The site shares the same primary access point off of WHCR with Downtown Chesterfield Category C Lot A. This access is defined by a round-about feature connecting the two sites both for vehicles and pedestrians. Lot A consists of a mixed-use building containing residential units, community retail, and a two story restaurant.

Figure 2 is a color Site Development Section Plan for the proposed development outlined in red. For reference, a color Site Development Section Plan for Lot A is also included within the figure as they are connected through the central internal drive off of Wild Horse Creek Road and face each other creating the effect of a streetscape. Lots A and B of Category C combined will be an area where people live, work, shop, dine, visit, and learn in Chesterfield.

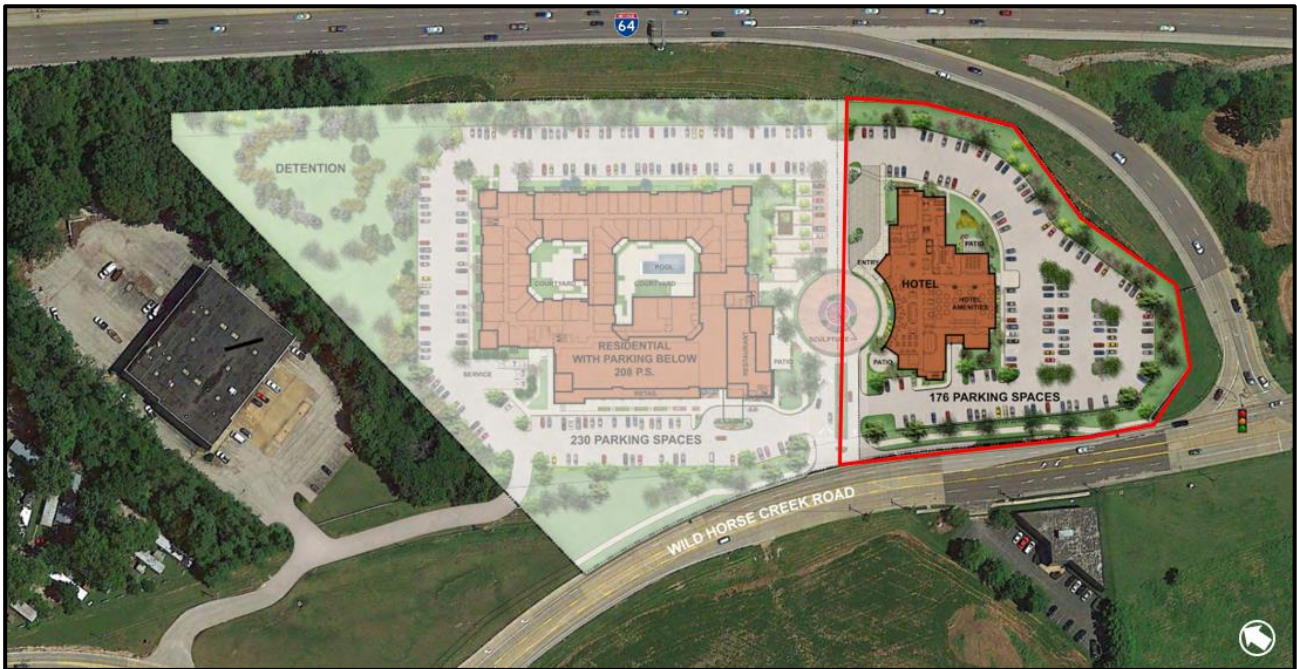


Figure 2: Color Site Plan

The subject site will be served primarily by one entrance from WHCR, with a dedicated westbound right turn lane into the site. There is a planned private drive that is to be extended from the southwestern corner of Lot A and connect to OCR. Vehicular traffic circulation can be seen around the entire building with the hotel’s drop-off area accessed from the round-about in the front of the building.

Pedestrian circulation can be seen completely circumnavigating the building, along the frontage of Wild Horse Creek Road, and around the internal round-about. As development occurs along the frontage of Wild Horse Creek Road, the pedestrian infrastructure will continue to be required promoting a walkable downtown expressed in the zoning requirements and Urban Core Land Use Plan policies.

Parking areas are distributed throughout the site with a drop-off area in front of the building and parking to the sides and rear. There are 145 required parking spaces for this site and the applicant has provided 176. Although the site meets all requirements, it is worth noting that the governing ordinance dictates that required parking is calculated globally throughout Category C (22 acres) and not calculated on an individual lot basis.

**Architectural Elevations:**

This request is to allow for a development of a 128 room hotel with a 6,720 square foot conference center. The proposed building is roughly 71’ in height for the hotel and 22’ in height for the conference area. The front of the hotel faces west and the front of the conference area faces east.

The proposed building will be the second building specifically created for Downtown Chesterfield. The first is the aforementioned Lot A that shares the internal drive. The design standards for this building are elevated due to the proximity within the Urban Core, but also in creating a Downtown Chesterfield. These buildings will help 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 district.

The site is located between I-64 and WHCR which provides for highly visible elevations. The building design and finishes are coordinated and consistent on all building facades. The project has a unique character without a strong corporate identity. The curved form of the west side of the first floor mimics the same curvature of the internal round-about. An exterior patio space is located in the southwest corner of the site adjacent to the entry off of WHCR and in the rear northeastern area of the site neighboring the conference center.

Warm earth tone finishes are used through the exterior design that are neutral in nature. The building materials are consistent with the mixed-use project on the adjacent site. The materials include thin-brick, cultured stone, architectural metal panel, aluminum storefront and clear low-e glass. The color elevations for every view point are attached within the packet submittal which call out all materials and building heights.

**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 site’s landscape plan contains a 30’ landscape buffer along the major arterial I-64 and has street trees along WHCR. The Landscape Plan was reviewed by the Architectural Review Board in which no additional comments were made.

All mechanical units will be located on the roof and screened by the parapets. The applicant has provided a screening exhibit in the ARB submittal to show the mechanical unit and parapet details and ensure the proper screening. This supplementary exhibit has been provided in the Planning Commission packet. There is one trash area on the site facing south and is fully screened by an overhead door with color to match the brick.

**Lighting:**

All exterior lighting will adhere to all UDC lighting code requirements. All exterior lighting will be white in color, and all the cut sheets have been included within the submittal. All non-fully shielded flat-lensed fixtures require approval by the City of Chesterfield Planning Commission. The UDC dictates that all facades of buildings facing I-64 should utilize accent lighting, as opposed to floodlighting. One of the fixtures submitted in this request is a flood-light. Exhibits provided in the ARB packet depict that no lighting trespass the building form or shine above the building roofline.

**Scale:**

The proposed hotel has a maximum height of 70'8". The finish floor elevation of the building is 533.5'. Figure 3 below is an image with a supporting table that outlines the maximum height for the surrounding developments (existing, under review, and under construction) and the total height adjusted for elevation. The AC Hotel is the largest of the three developments south of I-64 but shorter than the two to the north of I-64 when taking into account the buildings' height and the elevation the buildings are constructed on.



Figure 3: Surrounding Height

ID	Development	Elevation	Height (ft)	Total height adjusted for elevation
A	Aventura	530	57.7	587.7
B	Wildhorse	533	52.7	585.7
C	AC Hotel	533.5	70.7	604.2
D	Dierbergs	545	66	611
E	RGA	599.4	85.4	684.8



**Rendering:**

Below in Figures 4 and 5 are renderings of two prominent viewpoints that can be seen looking northeast on WHCR and southeast along I-64.



*Figure 4: Rendering (Northeast on WHCR)*



*Figure 5: Rendering (Southeast on I-64)*

**Modification:**

The applicant is seeking a modification from the category standards “Highway Frontage Outlots” set forth in the governing ordinance similar to the approved adjacent Lot A . Figure 6 depicts the streetscape in which the applicant is seeking a modification from.

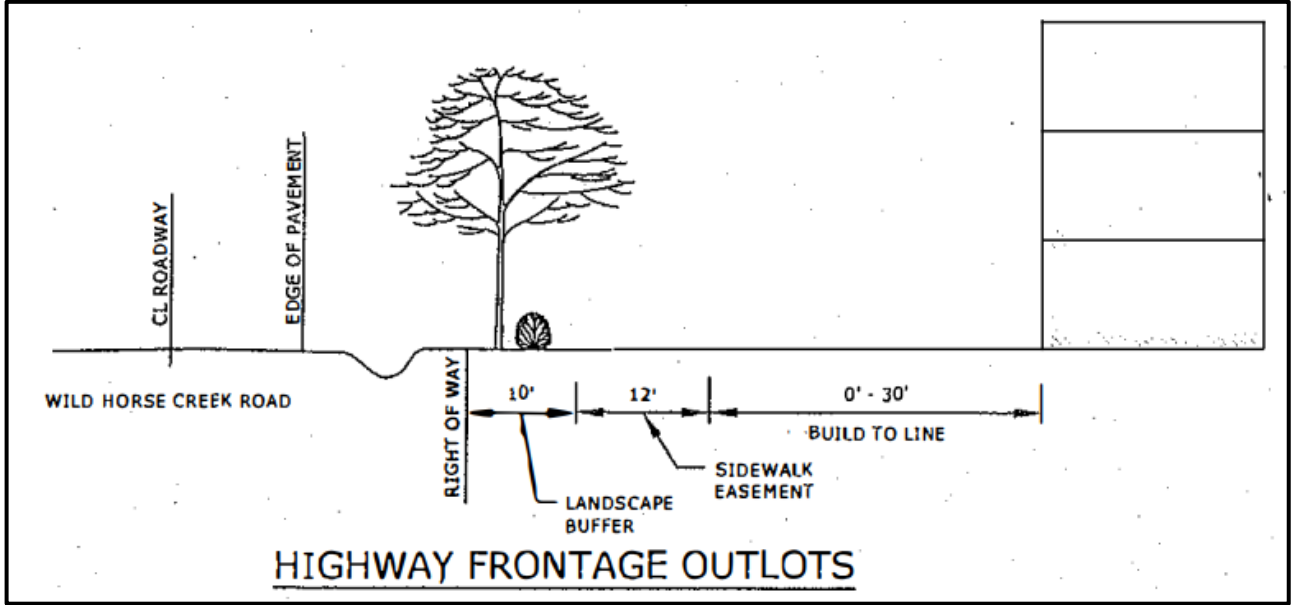


Figure 6: Exhibit 1 from Governing Ordinance

The applicant has provided a modification request stating the intent of the request is to achieve the goals and objectives of the PC&R district. This site focuses on the center of the proposed development with a plaza, roundabout, public art, sidewalks and park benches. The proposed buildings will surround the plaza and bring a “Downtown” feel to the area and further the intent of the PC&R. The applicant is requesting a modification to essentially build the streetscape off of the internal drive vs. WHCR as depicted on the Exhibit in Figure 6.

Staff acknowledges and is supportive of the center drive aisle dictating an urban “Downtown” streetscape vs. the major arterial of WHCR. Staff encourages the maximum interaction with the street and the building’s urban form as dictated in the streetscape identified in the governing ordinance exhibit. As proposed, the parking along the center drive aisle deviates from the required streetscape, but is consistent with the same modification approved for Lot A.

The Architectural Review Board reviewed the modification request and had no objection.

**STAFF RECOMMENDATION**

Staff has reviewed the submittal and has found the application to be in conformance with the site specific ordinance, Comprehensive Plan, and Unified Development Code. Staff recommends approval of the Site Development Section Plan for Downtown Chesterfield Category C, Lot B (AC Hotel).

Ordinance 3023 requires automatic power of review, thus this project will move forward to the Planning and Public Works Committee and City Council following the decision of Planning Commission.

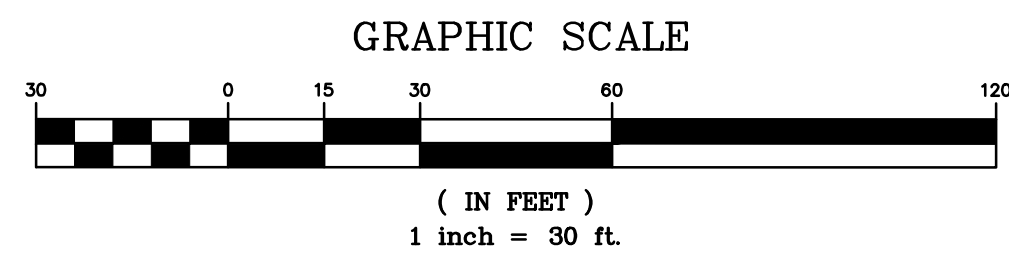
**MOTION**

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 B (AC Hotel) 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 B, (AC Hotel) development with the following conditions...” (Conditions may be added, eliminated, altered or modified)

Attachments

1. Site Development Section Plan
2. Landscape Plan
3. Lighting Plan
4. Architectural Elevations
5. Architects Statement of Design
6. Modification Request
7. Supplementary Exhibit: Mechanical Unit
8. Supplementary Exhibit: Façade Lighting



**PERTINENT DATA**

**ADJUSTED LOT B**  
 OWNER: WILD HORSE HOTEL, LLC  
 SPECIAL WARRANTY DEED: P.B. 23630, PG. 1072-1079  
 ADJUSTED LOT B AREA: 3,474 Acres ± (P.B. 367, PG. 100-101)  
 EXISTING ZONING: "PC&R" PLANNED COMMERCIAL & RESIDENCE (ORD. #3023)  
 SITE ADDRESS: 16461 WILD HORSE CREEK ROAD, CHESTERFIELD, MISSOURI 63005  
 LOCATOR NO: 185430248, 181640095, 181640204, 181640215, 181640303, 181640314, 181640325  
 WINNERBERG'S: PG. 21, GRID 18FF & 19EE  
 FIRE DISTRICT: MONARCH FIRE PROTECTION DISTRICT  
 SCHOOL DISTRICT: PARKWAY  
 SEWER DISTRICT: METROPOLITAN ST. LOUIS SEWER DIST.  
 WATER SHED: MISSOURI RIVER  
 FEMA MAP: 29189C0165K, FEB 4, 2015  
 ELECTRIC COMPANY: AMEREN UE  
 GAS COMPANY: SPIRIT INC  
 PHONE 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 3:1 SLOPE.
- GRADING AND STORM WATER PER M.S.D., MODOOT, 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 "GEOTECHNICAL EXPLORATION MT JOB NO. 14831 AC HOTEL" BY MIDWEST TESTING DATED JULY 11, 2019 AND ALL ITS SUPPLEMENTAL PROVISIONS AND ADDENDUMS.
- SIGNAGE APPROVAL IS A SEPARATE PROCESS.
- OFFSITE GRADING AND IMPROVEMENTS REQUIRE APPROVAL FROM MODOOT.

**ADJUSTED LOT B - PER B.A.P. (PB. 367 PGS. 100-101)**

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 southwestern lines of Proposed Lot A. The following courses and distances: South 06 degrees 35 minutes 49 seconds West, 38.87 feet; South 44 degrees 16 minutes 49 seconds West, 279.36 feet to the beginning of curve to the right having a radius of 991.00 feet and along said curve with an arc length of 121.49 feet and a chord which bears South 56 degrees 15 minutes 21 seconds East, 121.42 feet to the POINT OF BEGINNING of the herein described tract; thence North 50 degrees 04 minutes 02 seconds East, 452.43 feet to the southwestern right-of-way of Interstate Route 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 right-of-way line the following courses and distances: along last said curve with an arc length of 69.78 feet and a chord which bears South 34 degrees 40 minutes 17 seconds East, 69.78 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 5,664.58 feet; thence along said curve with an arc length of 38.40 feet and a chord which bears South 34 degrees 40 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 11 seconds East, 145.49 feet; South 40 degrees 13 minutes 55 seconds West, 105.00 feet; South 87 degrees 45 minutes 17 seconds West, 81.89 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, 44.62 feet to a found iron pipe located at the point of curvature to the right having a radius of 1,109.92 feet; along said curve with an arc length of 108.86 feet and a chord which bears North 47 degrees 03 minutes 42 seconds West, 108.02 feet; North 44 degrees 16 minutes 21 seconds West, 98.51 feet to a point of curvature to the left having a radius of 991.00 feet and along said curve with an arc length of 109.30 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 said curve to the left having a radius of 991.00 feet and an arc length of 37.42 feet and a chord which bears North 51 degrees 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.

**ST. LOUIS COUNTY BENCHMARK**

BENCHMARK # 12277 NGVD29 Elev = 490.38  
 Cut "L" on the southwest corner of the 3'x3' traffic signal pad and flush in the top of a concrete median along northeast of the right turn lane from eastbound Wild Horse Creek Road onto the southbound side of a pavement strip for a future extension of Burkhardt Plaza as shown on the plot of "WILD HORSE CREEK ROAD REVISION PLAN" (Plot Book 354, Page roughly 52 feet south of the center of Wild Horse Creek Road, 27 feet west of the centerline of the pavement strip for future Burkhardt Plaza, and 5.3 miles more or less east of Barker Road.

ADJUSTED LOT A  
 PB 367, PGS. 100-101  
 "WILDHORSE DEVELOPMENT":  
 1.) SDSP - PB 367  
 PGS. 110-114  
 2.) SDSP - PB 367  
 PGS. 115-124

Wild Horse Hotel, LLC, the owner 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 (applicable subsection) (present zoning)  
 Ordinance No. 3023, 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 \_\_\_\_\_, 2019, 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 \_\_\_\_\_ acknowledged 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 \_\_\_\_\_, 2019, by the Chairperson of said Commission, authorizing the recording of this 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.

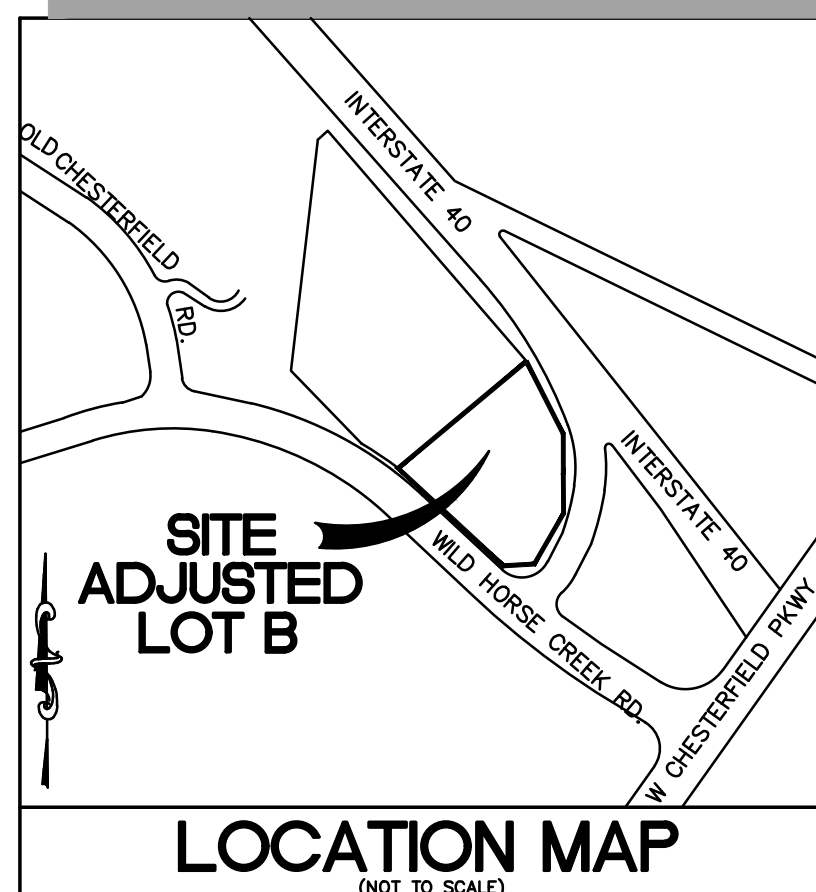
By: Justin Wyse, Director of Planning and Development Services

By: Vickie McGownd, City Clerk

**PREPARED FOR:**  
 WILD HORSE HOTEL, LLC  
 c/o GREAT LAKES CAPITAL  
 112 W. JEFFERSON BLVD., SUITE 200 & WILD HORSE HOTEL, LLC  
 SOUTH BEND, IN. 46601 INDIANAPOLIS, IN 46260  
 ATTN: MR. RYAN RANS ATTN: MR. GREG SCHAHET  
 EMAIL: RRANS@GREATLAKESCAPITAL.COM EMAIL: GREG@SCHAHETHOTELS.COM

# SITE DEVELOPMENT SECTION PLAN

ADJUSTED LOT B OF THE WILDHORSE BOUNDARY ADJUSTMENT PLAT OF TRACTS OF LAND LOCATED IN U.S. SURVEY 123, TOWNSHIP 45 NORTH, RANGE 4 EAST  
 P.B. 367 PGS. 100-101  
 CITY OF CHESTERFIELD, ST. LOUIS COUNTY, MISSOURI  
 ZONED: PLANNED COMMERCIAL + RESIDENCE DISTRICT "PC+R" PER ORD. NO #3023 CATEGORY "C"



**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 Geotechnical Exploration dated July 11, 2019 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 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.

MIDWEST TESTING  
 Richard Laughlin, P.E.

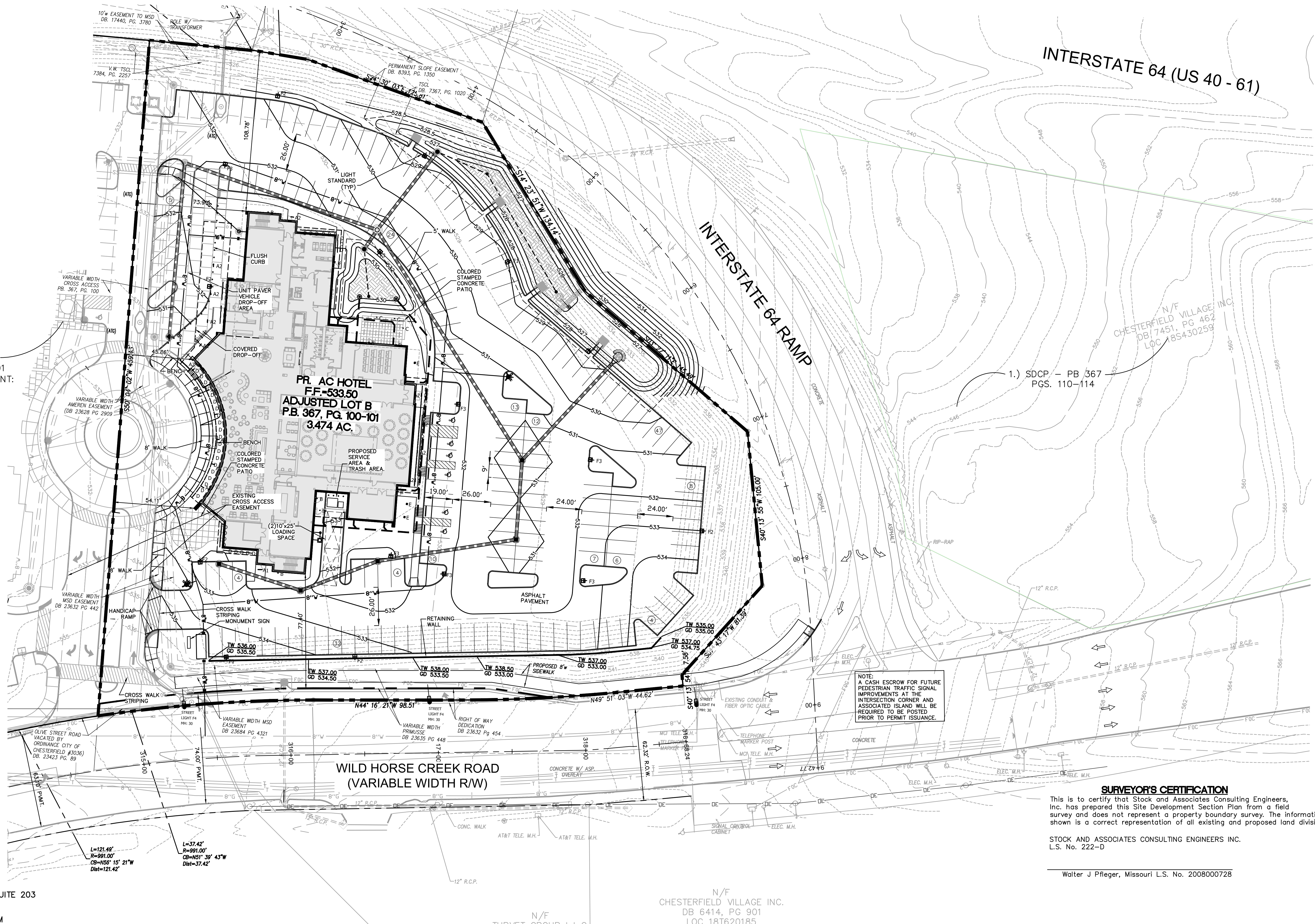
Date: 7/12/19



**SHEET INDEX**

- SDSP-1 - SITE DEVELOPMENT SECTION PLAN
- SDSP-2 - PHOTO METRIC PLAN
- SDSP-3 - SITE SECTIONS & DETAILS
- SDSP-4 - ORDINANCE #3023
- L-1 - LANDSCAPE PLAN
- PG1-PC2 - ARCHITECTURE ELEVATIONS

MEASUREMENT	LOT A	LOT B	CURRENT PC&R	PC&R MAXIMUM
RETI/OFF/CIVIC/LODGING GFA	27,275	81,254	23,500	1,700,000
RESIDENTIAL UNITS	188	0	0	1,000



**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 RDS 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 A 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 A 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.

1.) SDCP - PB 367 PGS. 110-114

NOTE: A CASH ESCROW FOR FUTURE PEDESTRIAN TRAFFIC SIGNAL IMPROVEMENTS AT THE INTERSECTION CORNER AND ASSOCIATED ISLAND WILL BE REQUIRED TO BE POSTED PRIOR TO PERMIT ISSUANCE.

**SURVEYOR'S CERTIFICATION**

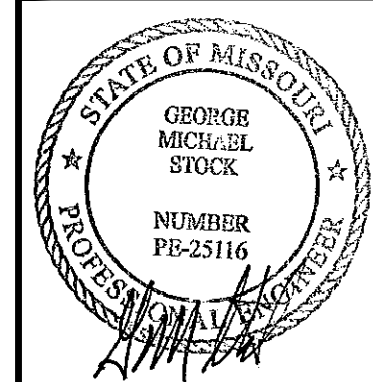
This is to certify that Stock and Associates Consulting Engineers, Inc. has prepared this Site Development Section Plan from a field survey and does not represent a property boundary survey. The information shown is a correct representation of all existing and proposed land divisions.

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

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

PREPARED BY:  
**STOCK & ASSOCIATES**  
 Consulting Engineers, Inc.  
 257 Chesterfield Business Parkway  
 St. Louis, MO 63005 PH: (636) 530-9300  
 500-9300 FAX: (636) 530-9300  
 e-mail: general@stockinc.com  
 Web: www.stockinc.com

SITE DEVELOPMENT SECTION PLAN FOR:  
**AC HOTEL**  
 16461 WILD HORSE CREEK ROAD  
 CHESTERFIELD, MO 63017



2019-12-12

GEORGE M. STOCK, P.E.  
 CIVIL ENGINEER  
 LICENSE NO. E-57522

- REVISIONS:
- 2019-10-01 CITY
  - 2019-11-08 CITY
  - 2019-11-28 CITY
  - 2019-12-12 CITY

DATE	BY	JOB NO.
08/27/19	GM.S.	219-6548
08/27/19	GM.S.	219-6548
08/27/19	GM.S.	219-6548
08/27/19	GM.S.	219-6548

SHEET TITLE:  
 SITE DEVELOPMENT SECTION PLAN  
 SHEET NO.:  
 SDSP-1



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

Calculation Summary	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Label							
FRONT SIDEWALK	Illuminance	Fc	3.36	4.1	1.6	2.10	2.56
SIDEWALK	Illuminance	Fc	2.62	6.3	0.8	3.28	7.88
SITE	Illuminance	Fc	1.44	6.2	0.5	2.88	12.40
SPILL LIGHT	Illuminance	Fc	0.07	0.8	0.0	N.A.	N.A.

Symbol	Qty	Label	Arrangement	Lum. Watts	Total Watts	LLF	Description
[Symbol]	3	C	SINGLE	7.7	23.1	1.000	615-1420
[Symbol]	1	A1	SINGLE	31	31	1.000	SK1-C10A-36-GW-MWP-LED1_35K-120-DMO
[Symbol]	16	A2	SINGLE	21	336	1.000	SK1-C10A-24-GW-MWP-LED1_35K-120-DMO
[Symbol]	2	F1	SINGLE	59	118	1.000	GLEON-AF-01-LED-E1-SL4-HSS
[Symbol]	7	F2	SINGLE	59	413	1.000	GLEON-AF-01-LED-E1-SL3-HSS
[Symbol]	7	F3	SINGLE	85	595	1.000	GLEON-AF-02-LED-E1-SWQ-800
[Symbol]	8	B	SINGLE	26.2	209.6	1.000	7000WSPITSC-LED830
[Symbol]	61	D	SINGLE	8	488	1.000	LOGN-2W-48V-48-40K-WW-HFR-
[Symbol]	3	E	SINGLE	20	60	1.000	OLFLS-020-UNVL-40-5X5

DESIGN IS BASED ON CURRENT INFORMATION PROVIDED AT THE TIME OF REQUEST.  
ANY CHANGES INCLUDING HEIGHT OF LIGHTING, LAMP WATTAGE, LAMP TYPE, AND  
EXISTING FIELD CONDITIONS, THAT EFFECT ANY OF THE PROVISIONS HEREIN, WILL  
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 LUMINAIRES.

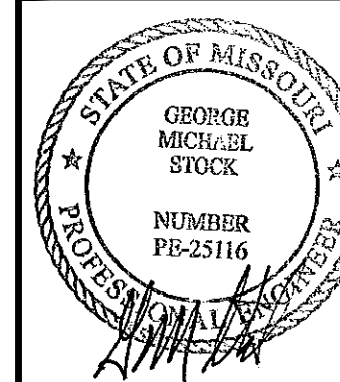
PREPARED BY:

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257 Chesterfield Business Parkway  
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SITE DEVELOPMENT SECTION PLAN FOR:

**AC HOTEL**

16461 WILD HORSE CREEK ROAD  
CHESTERFIELD, MO 63017



GEORGE M. STOCK, P.E.  
CIVIL ENGINEER  
LICENSE NO. E-57522

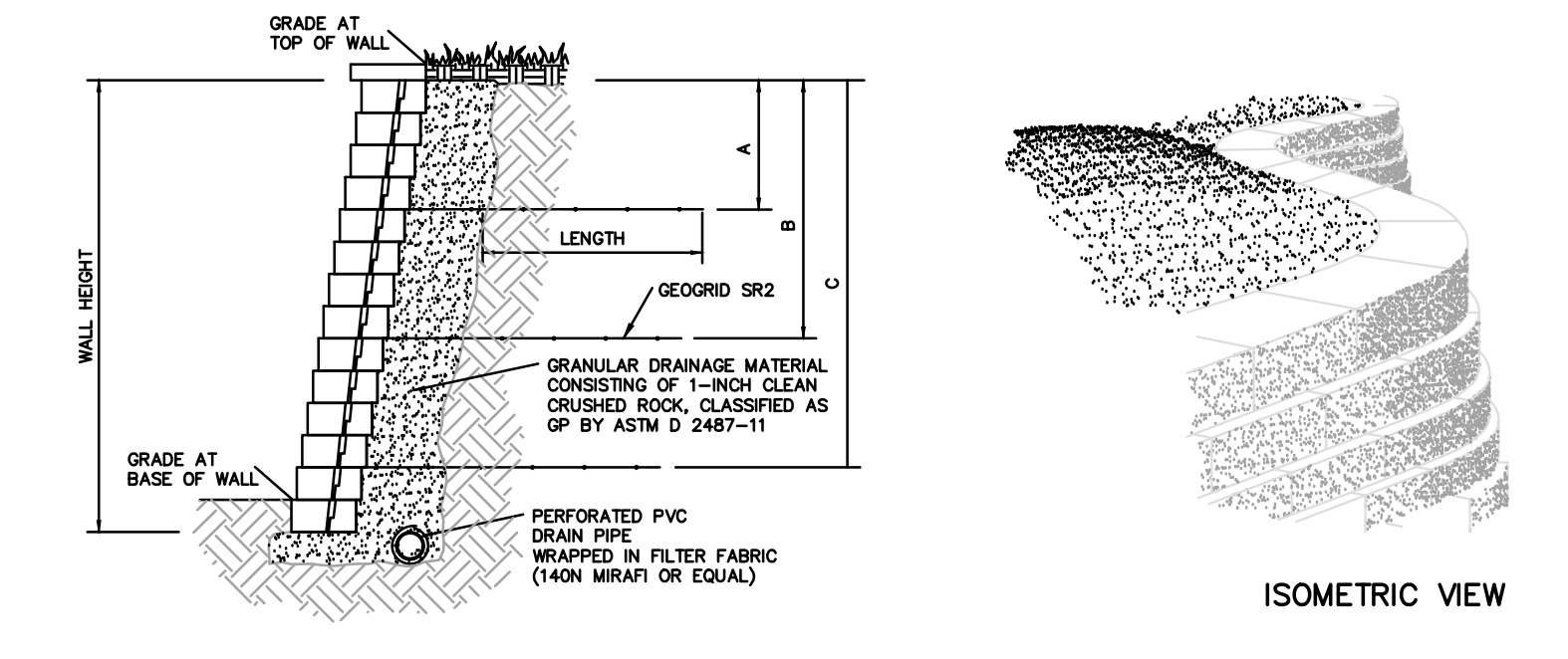
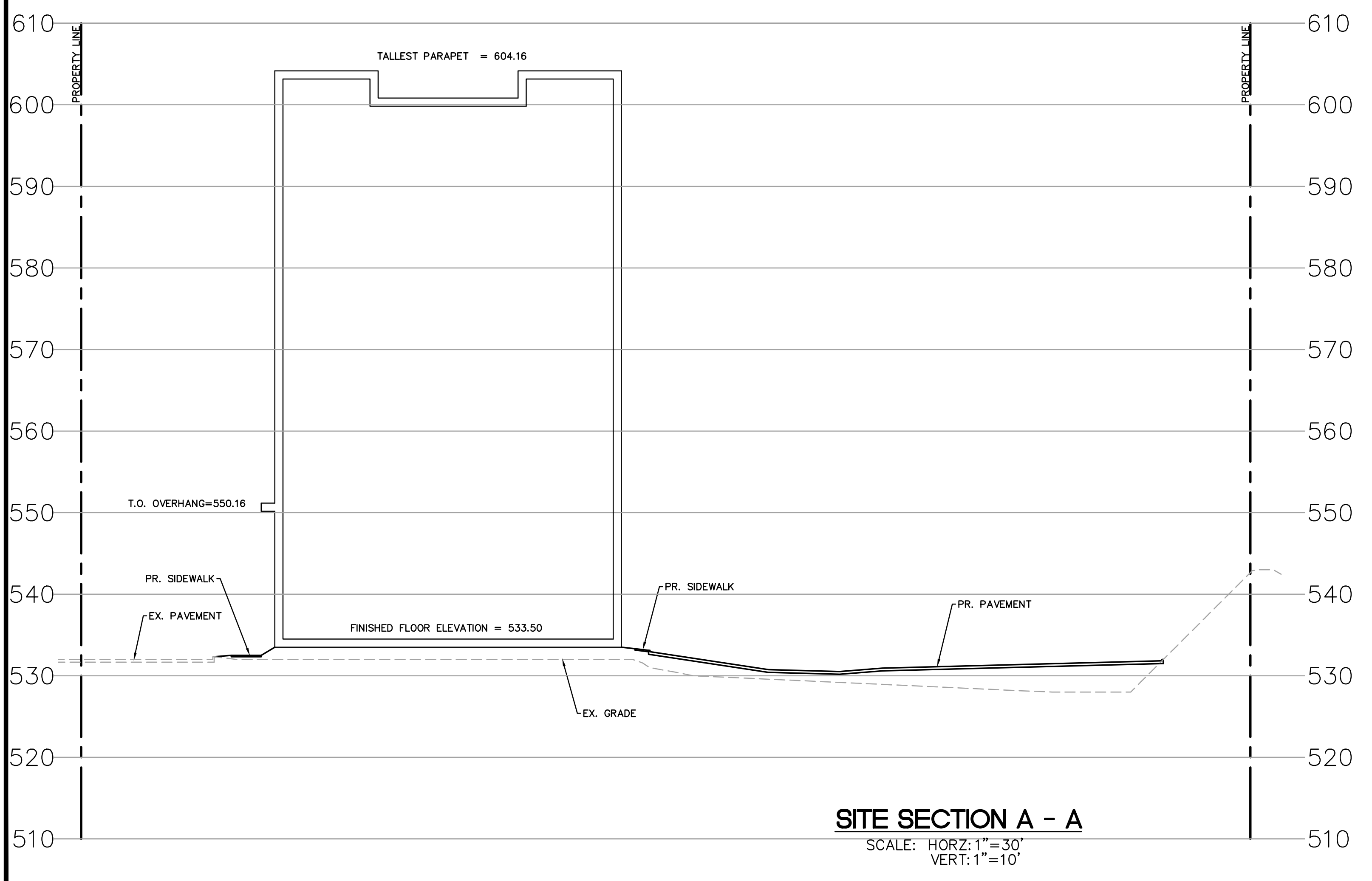
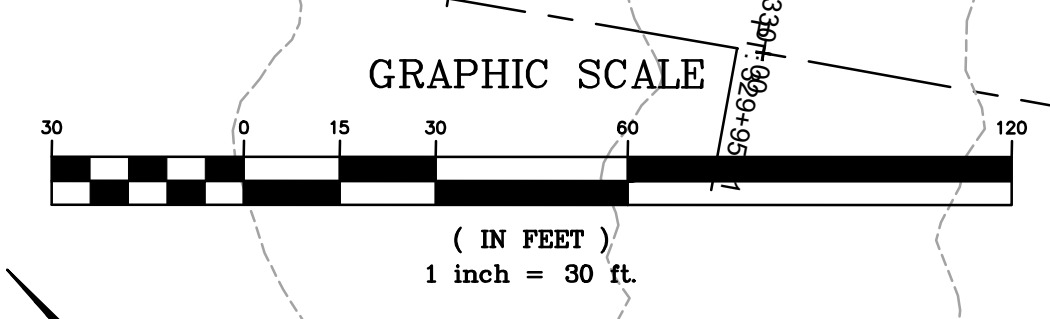
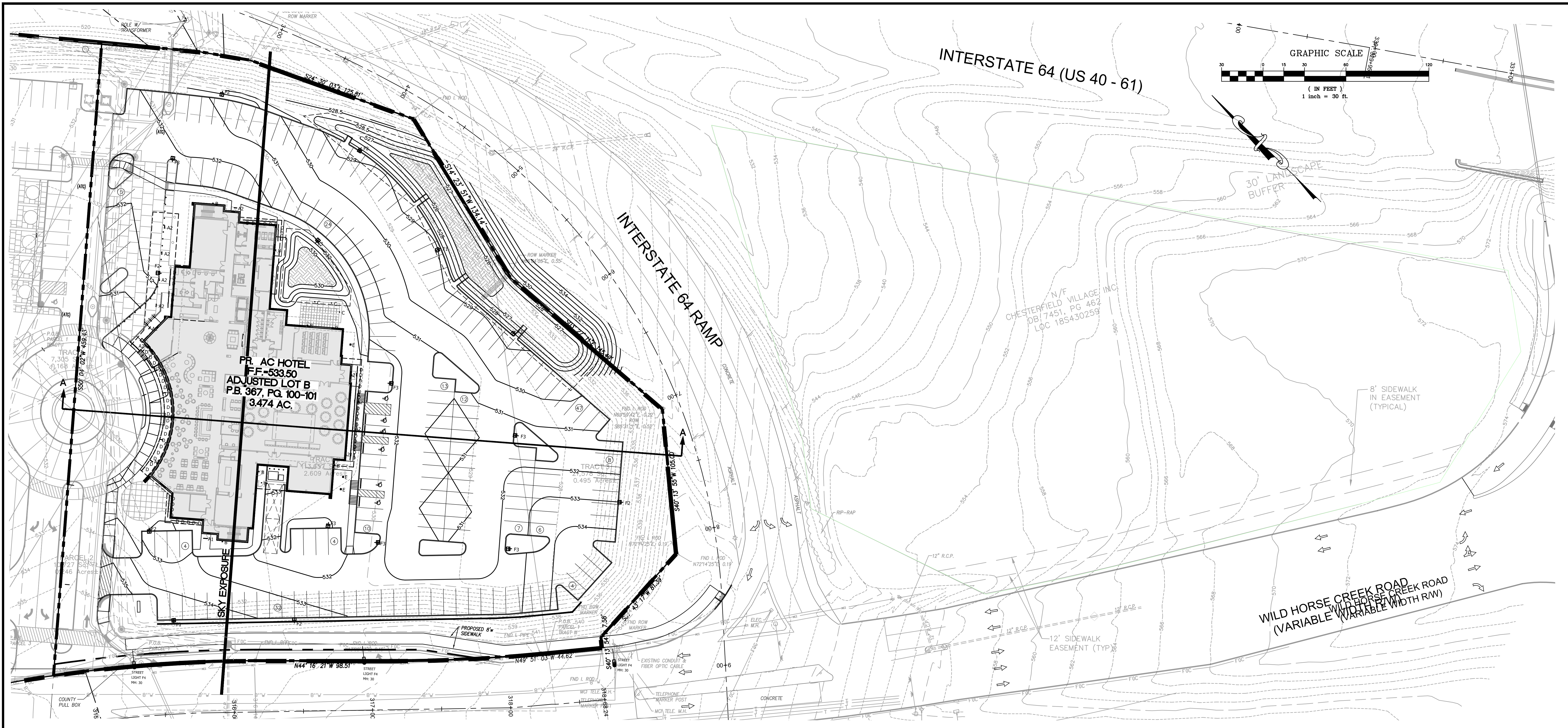
REVISIONS:

1. 2019-10-01 CITY
2. 2019-11-08 CITY
3. 2019-11-26 CITY
4. 2019-12-12 CITY

DRAWN BY:	C.M.S.	CHECKED BY:	C.M.S.
DATE:	08/27/19	JOB NO.:	219-6548
W.C.F. #	19MSD-00436	RACE MAP #	185 & 181
S.L.C. HAT #	4234	HAT SUP. #	-
M.B.N.R. #	-		

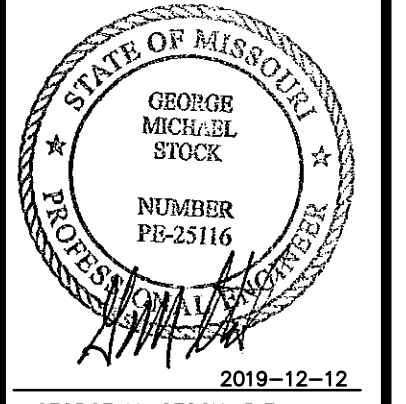
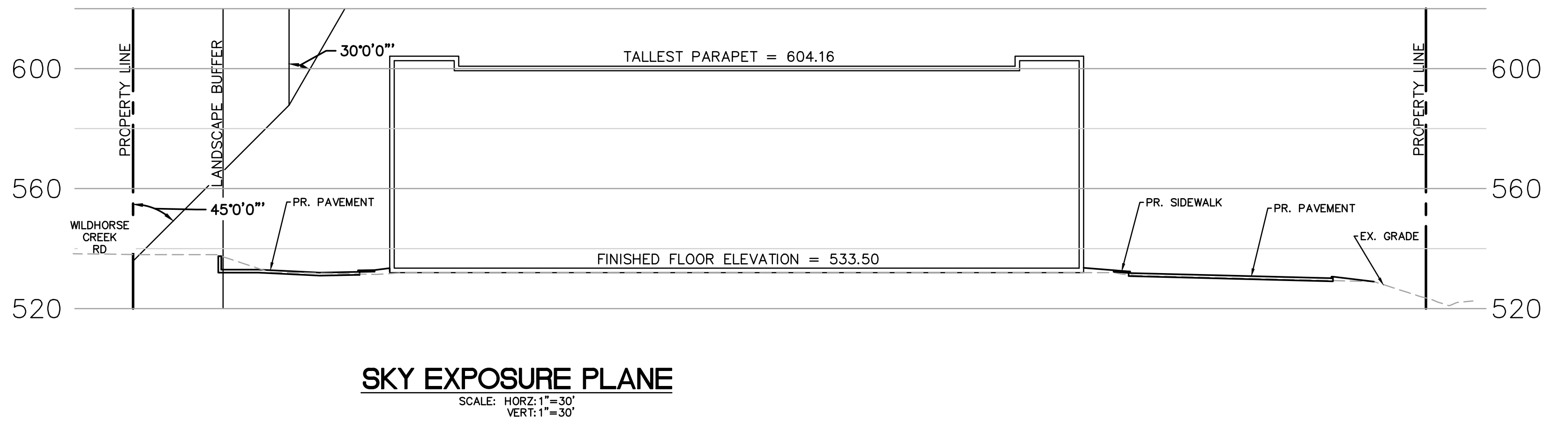
SHEET TITLE:  
**SITE PHOTOMETRIC PLAN**

SHEET NO.:  
**SDSP-2**



- NOTES:**
- 1) ALL CONSTRUCTION SHALL BE PER THE MANUFACTURERS RECOMMENDATION.
  - 2) THE ABOVE INFORMATION IS A CONCEPT ONLY. ACTUAL DESIGN OF RETAINING WALL SHALL BE BY A LICENSED PROFESSIONAL ENGINEER & SUBMITTED TO STOCK AND ASSOCIATES FOR GENERAL COMPLIANCE WITH GRADING PLAN.
  - 3) ACCEPTED ALTERNATE WALL SYSTEM: VERSA-LOK OR UNILOCK PISA.
  - 4) 2" TOP OF RETAINING WALL, 8" GRADE AT BASE OF WALL.
  - 5) VERTICAL WALL SYSTEM ASSUMED FOR THIS PROJECT, ZERO BATTER.
  - 6) WALL DESIGNER SHALL CONSULT GEOTECHNICAL ENGINEER FOR GLOBAL STABILITY.
  - 7) RETAINING WALL WILL REQUIRE A SEPARATE PERMIT (BUILDING PERMIT) PRIOR TO CONSTRUCTION.

**VERSA-LOK RETAINING WALL TYPICAL SECTION**



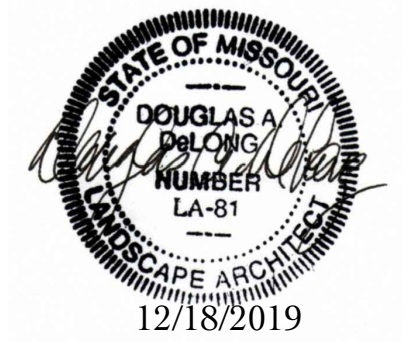
REVISIONS:	
1.	2019-10-01 CITY
2.	2019-11-08 CITY
3.	2019-11-28 CITY
4.	2019-12-12 CITY

DRAWN BY:	CHECKED BY:
R.E.S.	G.M.S.
DATE:	JOB NO:
08/27/19	219-6548
SCALE: P. #	BASE MAP #
19MSD-00436	185 & 181
S.L.C. MAT #	MAT SUP. #
4234	-
M.D.N.R. #	-

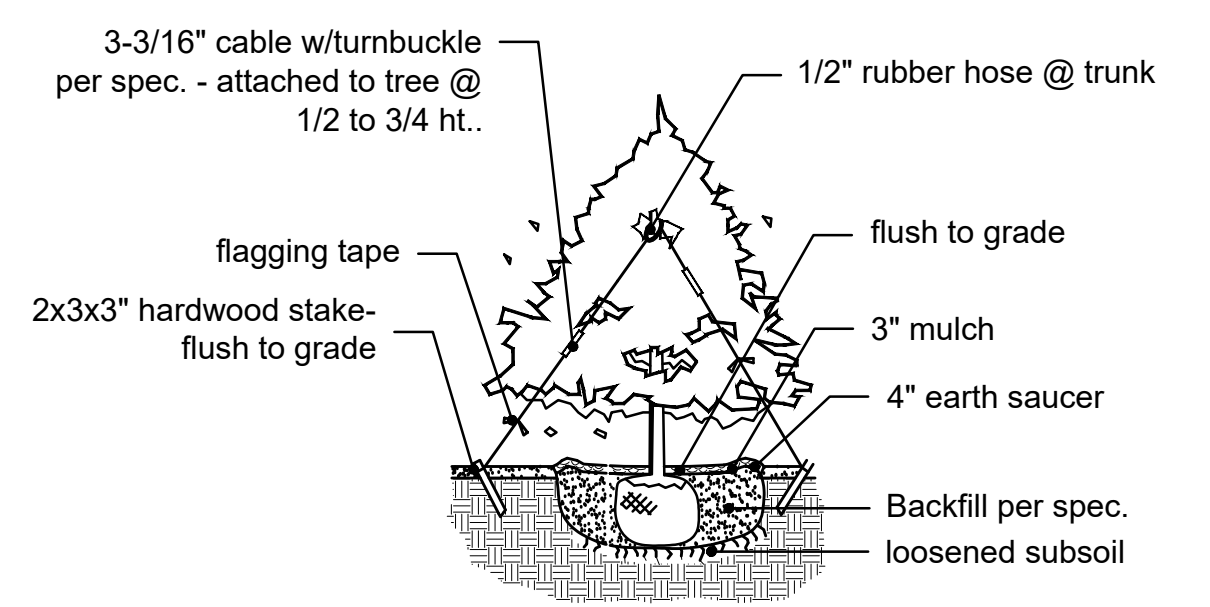
SHEET TITLE:  
**SITE SECTIONS & DETAILS**

SHEET NO.:  
**SDSP-3**

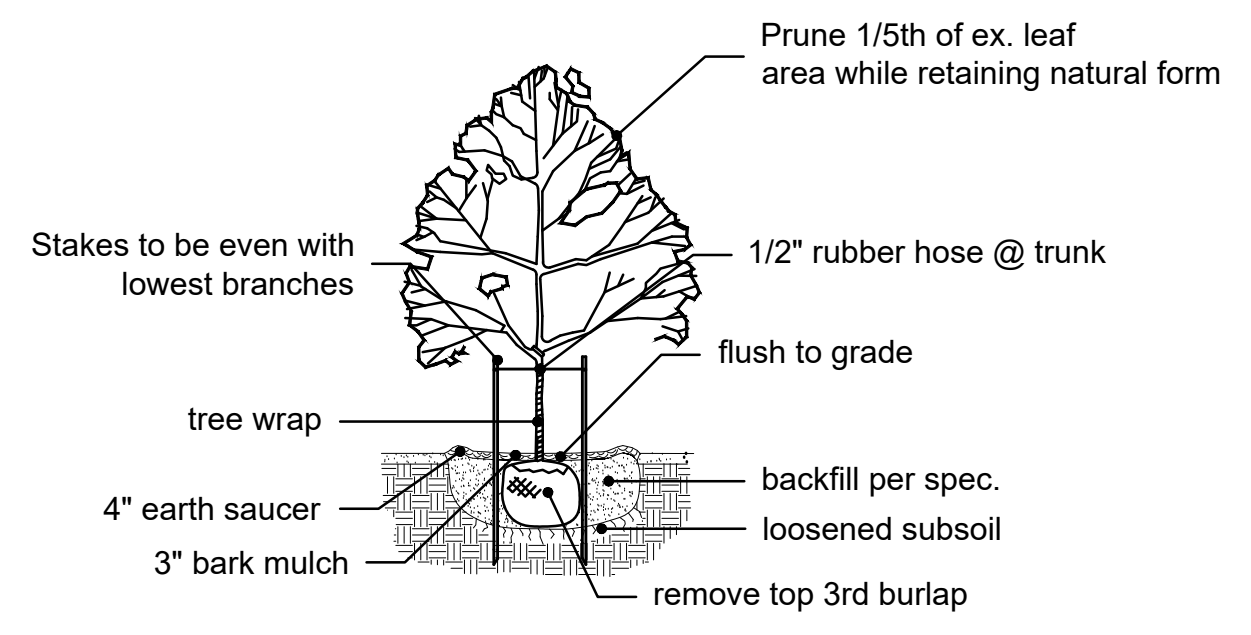




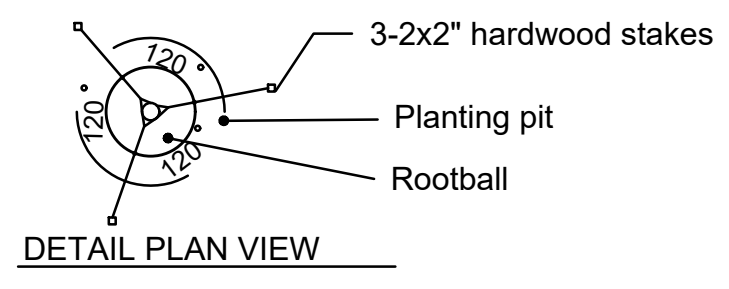
Douglas A. DeLong, Landscape Architect LA-81  
 Consultants:



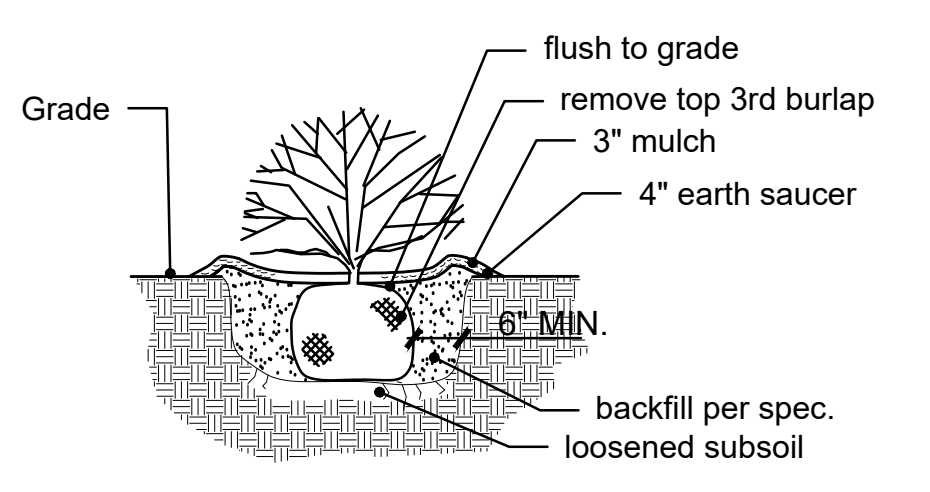
TYPICAL EVERGREEN PLANTING



CANOPY TREE PLANTING

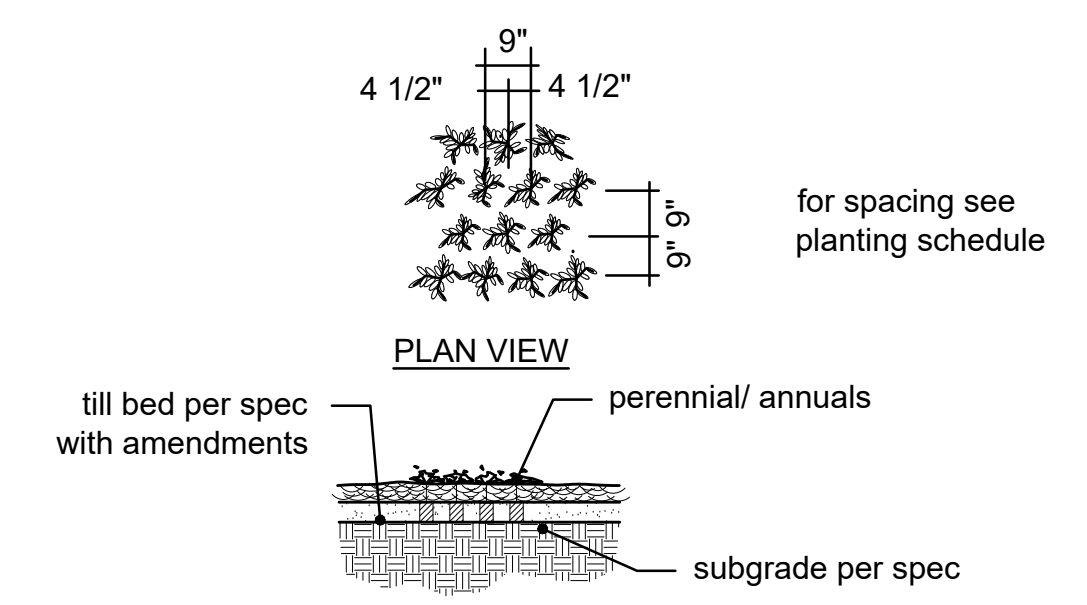


DETAIL PLAN VIEW



SCARIFY ROOT BALL OF ALL CONTAINER STOCK

TYPICAL SHRUB PLANTING



TYPICAL PERENNIAL PLANTING

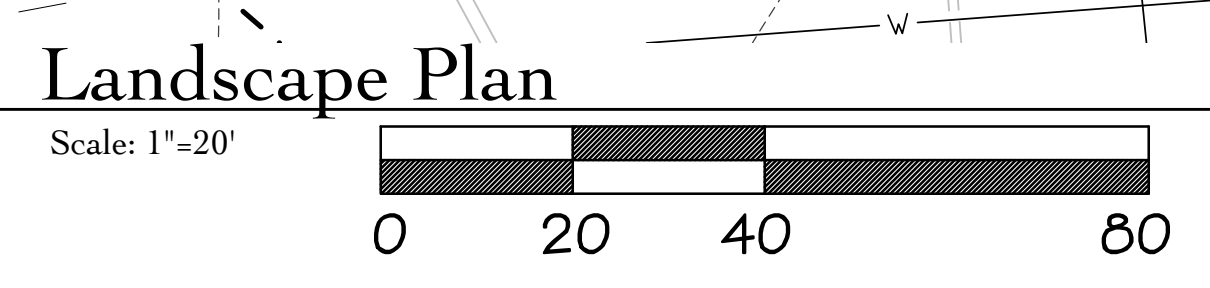
GENERAL NOTES:

- 1) Openspace ratio is 34.57% (52,320 sf/151,327 sf)
- 2) Street trees Req. - 309 lf/50 ft = 7.78 or 8 street trees
- 3) All street trees will be located at least 3' from proposed curb.
- 4) All street trees will be located at least 10' from all storm sewer structures.
- 5) All turf areas will be sodded.
- 6) An in-ground irrigation system will be provided.
- 7) Any future above ground utility structures to be screened per Ordinance.

PLANTING SCHEDULE							
SYMBOL	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	MATURE HEIGHT	TYPE	PERCENTAGE
A	6	Gleditsia triacanthos 'Skyline'	Skyline Honeylocust	2 1/2"	45'+	Fast Growing	8%
B	2	Tilia cordata 'Greenspire'	Greenspire Littleleaf Linden	2 1/2"	45'+	Medium Growing	3%
C	3	Quercus acutisima	Sawtooth Oak	2 1/2"	45'+	Medium Growing	4%
D	6	Taxodium distichum	Baldcypress	8-10'	45'+	Medium Growing	8%
E	9	Acer rubrum 'October Glory'	October Glory Red Maple	2 1/2"	45'+	Fast Growing	12%
F	11	Cercis canadensis	Red Bud	2 1/2"	25'+	Fast Growing	15%
G	7	Cornus florida	Flowering Dogwood	2 1/2"	15'+	Slow Growing	10%
H	12	Picea pungens	Colorado Spruce	8-10'	30-40'	Medium Growing	17%
J	12	Juniperus virginiana 'Taylor'	Taylor Juniper	6"	20'+	Medium Growing	17%
M	3	Magnolia virginiana	Sweetbay Magnolia	8-10'	20'+	Multi Stem	4%
a	14	Ilex glabra 'Shamrock'	Shamrock Inkberry	2-3'		3' O.C.	
b	9	Juniperus horizontalis 'Plumosa'	Compact Andorra Juniper	18-24"		3' O.C.	
c	22	Rosa 'Radrazz'	Knock out Rose	18-24"		3' O.C.	
d	23	Buxus sinica l. 'Wintergreen'	Wintergreen Boxwood	18-24"		2' O.C.	
e	23	Viburnum dentatum	Arrowwood Viburnum	30-36"		4' O.C.	
f	27	Taxus x media 'Densaformis'	Dense Yew	18-24"		3' O.C.	
g	19	Itea virginica 'Henry's Garnet'	Henry's Garbet Itea	18-24"		30' O.C.	
h	17	Physocarpus opulifolius 'Seward'	Summer Wine Ninebark	18-24"		3' O.C.	
j	9	Hibiscus syriacus 'Antong Two'	Lil' Kim Hibiscus	18-24"		30' O.C.	
k	85	Juniperus pfitzeriana 'Sea Green'	Sea Green Juniper	18-24"		48' O.C.	
aa	145	Hemerocallis 'Stella de Oro'	Stella de Oro daylily	1 gal		18' O.C.	
bb	36	Calamagrostis a. 'Karl Foerster'	Karl Foerster Grass	1 gal		18' O.C.	
cc	410	Liriope muscari 'Big Blue'	Big Blue Liriope	1 gal		12' O.C.	

STREET TREE SCHEDULE							
SYMBOL	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	MATURE HEIGHT	Note	PERCENTAGE
A	1	Gleditsia triacanthos 'Skyline'	Skyline Honeylocust	2 1/2"	45'+	Fast Growing	25%
B	2	Tilia cordata 'Greenspire'	Little-leaf Linden	2 1/2"	45'+	Medium Growing	12%
C	2	Quercus acutisima	Sawtooth Oak	2 1/2"	45'+	Medium Growing	12%
E	1	Acer rubrum 'October Glory'	October Glory Red Maple	2 1/2"	45'+	Fast Growing	25%
K	2	Ulmus parvifolia 'Emer I'	Athens Lacebark Elm	2 1/2"	45'+	Med/Fast Growing	25%

MITIGATION TREE SCHEDULE							
SYMBOL	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	MATURE HEIGHT	Note	Category
C	2	Quercus acutisima	Sawtooth Oak	2 1/2"	45'+	Medium Growing	Large
H	1	Picea pungens	Colorado Spruce	8-10'	30-40'	Medium Growing	Medium
N	1	Crataegus cruegalli var. inermis	Thornless Cockspur Hawthorn	2.5"	15-30'	Medium Growing	Small



WOODLAND MITIGATION PARCEL B:  
 Existing Woodland 4,228 sq ft  
 Preservation Required (30%) = 1,268.4 sq ft  
 Preservation Provided (0%) = 1,268.4 sq ft of Mitigation Required

2 Large Trees x 400 sf = 800 sf  
 1 Medium Tree x 300 sf = 300 sf  
 1 Small Tree x 200 sf = 200 sf  
 Total Provided 1,300 sf

AC HOTEL

Chesterfield, Mo.

Revisions:		
Date	Description	No.
10/01/19	City Comments	1
12/06/19	Site Revisions	2
12/18/19	Site Revisions	3

Drawn: BD  
 Checked: DD

DeLong Architecture, LLC  
 7620 West Bruno Ave  
 St. Louis, MO 63117  
 (314) 346-4856  
 delong.la@gmail.com

Sheet Title: Landscape Plan

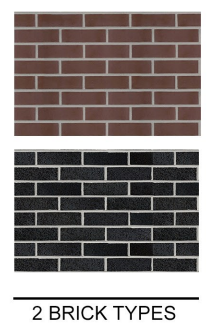
Sheet No: L-1

Date: 8-16-19  
 Job #: 174,003





EAST ELEVATION



2 BRICK TYPES

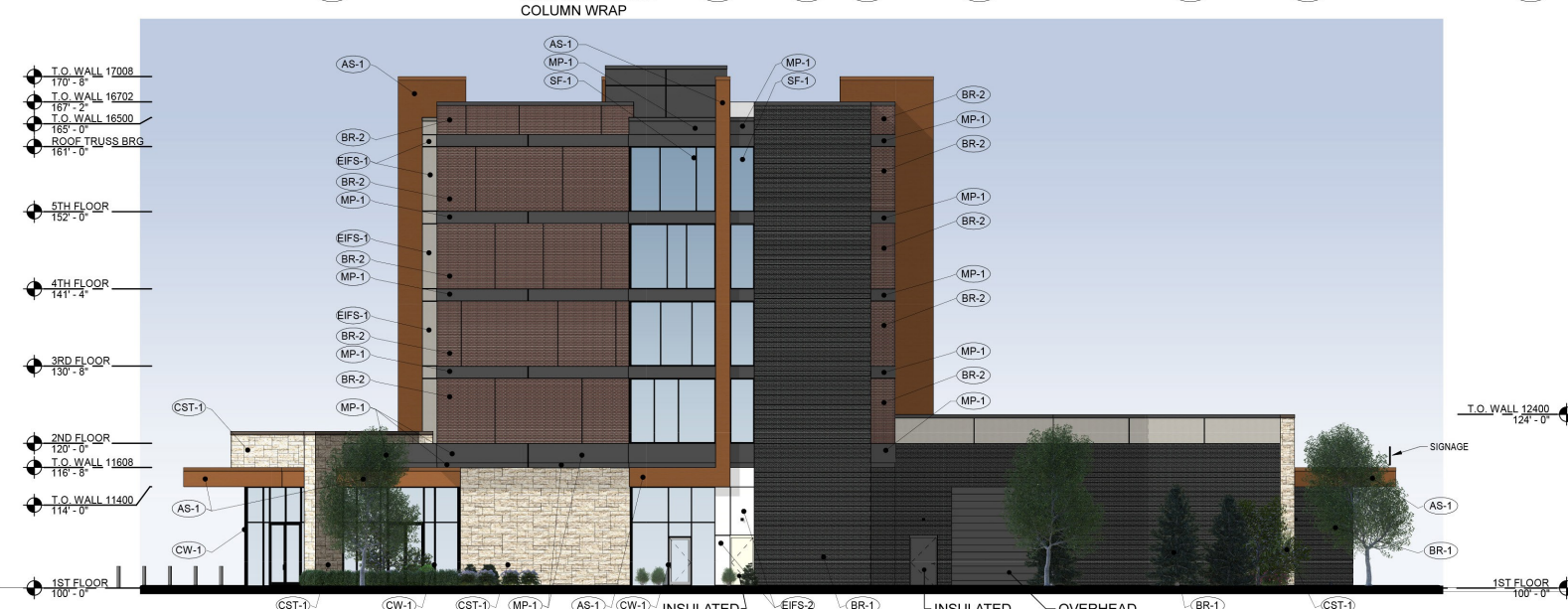
CODE	MATERIAL
AS-1	Aluminum Siding - Longboard Color: Light Cherry
BR-1	Thin Brick - Endicott Clay Products Co. Color: Manganese Ironspot Velour - Modular
BR-2	Thin Brick - Sioux City Brick Color: Cordovan Smooth - Modular or approved equal
CS-1	Cast Stone Color: T.B.D.
CST-1	Stone Veneer - Eldorado Stone Cut Course Stone Color: Oyster or approved equal
CW-1	Curialwall Color: Black w/ 1" insulated clear glass w/ low-e coating
EIFS-1	EIFS - Dryvit Color: #131 Gull Gray
EIFS-2	EIFS - Dryvit Color: #449 Buckskin
ML-1	Metal Louver Color: T.B.D.
ML-2	Metal Louver Color: T.B.D.
MP-1	Centria - Formawall Dimension Series Insulated Panel Color: Una-Clad Charcoal Gray
SF-1	Aluminum Storefront Color: Black w/ 1" insulated clear glass w/ low-e coating



WEST ELEVATION



PERSPECTIVE LOOKING NORTHEAST



SOUTH ELEVATION

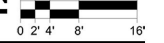


NORTH ELEVATION

AC HOTEL

CHESTERFIELD,  
18.123

MISSOURI  
11.04.19



ARCHITECTS  
9812 Manchester Road  
St. Louis, Missouri 63119  
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TRI  
ARCHITECTS  
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BUILDING PERSPECTIVE LOOKING NORTHEAST

TRI  
ARCHITECTS  
9812 Manchester Road  
St. Louis, Missouri 63119  
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AC HOTEL

CHESTERFIELD,  
18.123

MISSOURI  
10.04.19

S  
SCHAHET  
HOTELS  
glc



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ARCHITECTS  
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BUILDING PERSPECTIVE LOOKING SOUTHEAST

TRI  
ARCHITECTS  
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St. Louis, Missouri 63119  
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AC HOTEL

CHESTERFIELD,  
18.123

MISSOURI  
10.04.19

S  
SCHAHET  
HOTELS  
glc



October 29, 2019

Mr. Mike Knight  
City Planner  
**City of Chesterfield**

**Re: AC Hotel**  
**TR,i Project #: 18-123**  
**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 hotel 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 provided via the adjacent Wildhorse mixed-use development and extending west through the existing warehouse site to connect the entire development to Old Chesterfield Road. The Wildhorse mixed-use development is depicted on the west side of the site plan to demonstrate the over-all site development concept. The proposed buildings are organized on the site to define an outdoor space. Public art 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 hotel development will be surface parking located around the perimeter of the building. The hotel's drop-off area is accessed from the round-a-bout.
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 majority of the parking on the east side of the building. 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 23 feet to the north on the buildable area of the site. Modification to the grade is being proposed with and without the use of site retaining walls. 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: The site will have an integral color modular retaining wall at the southern perimeter of the parking area along Wild Horse Creek Road. The parking area elevation will be on the low side of the modular retaining wall. The length of the modular retaining wall will be approximately 310 feet long with a maximum height of approximately 5'-6".

**General requirements for building design:**

1. Scale: There are currently no existing adjacent projects that set a precedent for development consistent with the City of Chesterfield's design standards. The site is located between Interstate 64 and Wild Horse Creek Road. 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 the influence of corporate identity. The site configuration reinforces the entry street and roundabout. The curved form of the west side of the first floor engages the roundabout, establishing a strong site and building connection. An emphasis has been placed on the pedestrian experience. Tall street level glass provides a visual connection from the exterior into the lobby, bar and dining areas of the hotel. An exterior patio space is located adjacent to the entry street and roundabout further reinforcing the connection of the interior and exterior environment. The building materials are consistent with the adjacent Wildhorse mixed-use project currently under construction, which establishes a relationship between the buildings without diminishing their individual identities. Massing and material transitions along with a variety of window sizes and spacing create texture and pattern on the upper floor facade.
3. Materials and Colors: Warm earth tone finishes are used throughout the exterior design that are neutral and compatible with many other palettes. The materials include thin-brick, cultured stone, architectural metal panel, aluminum storefront, clear low-e glass.

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. Signage types intended for the development include wall signs and freestanding monument signs. Signage will be required to comply with the following construction practices:
  - a. No exposed conduit, tubing crossovers, or wiring raceways will be permitted unless they are intended to further enhance a unique theme of that establishment.
  - b. All conductors, transformers, interior light sources and other equipment must be concealed.
  - c. All signs, bolts, fastenings, and clips shall be non-corrosive materials.
  - d. No sign company's labels or identification will be permitted on the exposed surface of signs, except those required by local ordinances which shall be in an inconspicuous location.
  - e. Threaded rods or anchor bolts shall be used to mount sign letters, which are spaced out from the background. Angle clips attached to letter sides will not be permitted.
  - f. An attempt must be made to keep electric and mounting holes within mortar joints of masonry fascia.
6. Lighting: All exterior lighting, including building accent up-lighting, will be fully cut-off and will adhere to Chesterfields UDC. No building accent up-lighting will shine above the building roofline (see attached exhibits). All exterior lighting will be 'white' in color, consistent with the development. Cut sheets of the lighting are included for review, they complement the buildings style.
7. Mechanical Unit Screening: All mechanical units will be screened by the building parapets or separate screening of complementary building materials. The screening heights have taken into account that the existing grade at the intersection of WHCR & I-64 ramp, which is located in the southeast corner of the development, is at approximately the same elevation as the height of the parapet of the 1-story conference center area on the east side of the building.

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

STOCK & ASSOCIATES  
Consulting Engineers, Inc.

December 2, 2019

City of Chesterfield  
690 Chesterfield Pkwy W.  
Chesterfield MO 63017-0760

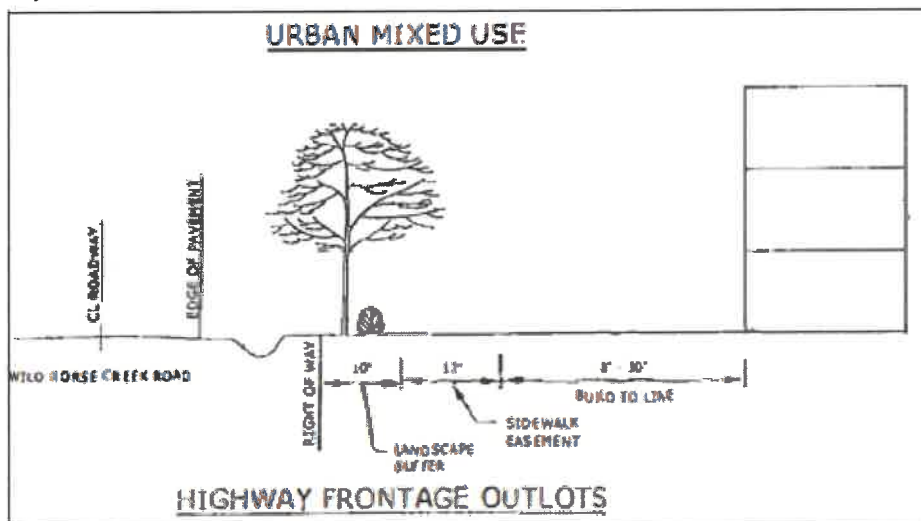
Attention: Mr. Mike Knight - Planner

Re: Downtown Chesterfield (AC Hotel) SDSP  
(Stock Project No. 219-6548)

Dear Mr. Knight,

Pursuant to your Site Development Section Plan Comment letter dated October 28, 2019, in particular "General Comment" #8 we respectfully request your consideration to modify Exhibit 1 of City of Chesterfield Ordinance 2449 to create Design Standards for Category C - "Highway Frontage Outlots" (Portions of District north of relocated Wildhorse Creek Road).

*Exhibit 1 of the governing ordinance defines a specific streetscape and placement off of the WHCR right of way. Although this Section Plan is going through the same modification process as Lot A to utilize the internal drive as the streetscape, a modification must be requested that includes an exhibit/description of how the proposed streetscape relates to the internal drive compared to the required streetscape off of WHCR. The required streetscape may be seen in exhibit 1 below.*



December 2, 2019

Page 2

The intent of our request is to achieve the goals & objectives of the "PC&R" District. The streetscape ' Design Intent' of Exhibit 1 is provided internally within the development.

In the center of the proposed development would be a plaza, comprised of a round-a-bout, sidewalks, and park benches. Lot B will provide sidewalks and benches similar to what was approved on Lot A. 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 with surface parking.

We respectfully request your consideration of this modification request. Please let us know if any additional information is required to complete your review of this matter.

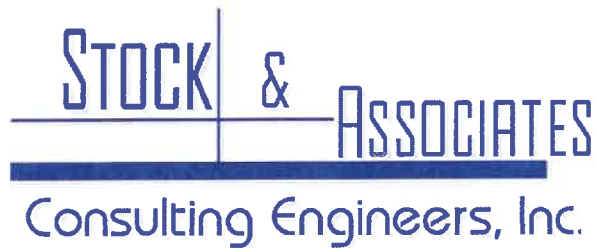
As always, we greatly appreciated your consideration & continuous cooperation.

Sincerely,

Ryan Schriber, P.E.,  
Associate

CC: Mr. Rich Obertino – Tri Architects ([rich.obertino@triarchitects.com](mailto:rich.obertino@triarchitects.com) )  
Mr. Dave Yancik – Tri Architects ([dave.yancik@triarchitects.com](mailto:dave.yancik@triarchitects.com) )  
Mr. Adam Siburt – Brinkmann ([asiburt@brinkmannconstructors.com](mailto:asiburt@brinkmannconstructors.com))  
Mr. Ryan Rans - Great Lakes Capital ([rrans@greatlakescapital.com](mailto:rrans@greatlakescapital.com) )  
Mr. Greg Schahet – Schahet Hotels ([greg@schahethotels.com](mailto:greg@schahethotels.com) )  
Mr. George M. Stock, P.E. - President





December 2, 2019

City of Chesterfield  
690 Chesterfield Pkwy W.  
Chesterfield MO 63017-0760

Attention: Mr. Mike Knight - Planner

Re: Downtown Chesterfield (AC Hotel) SDSP  
(Stock Project No. 219-6548)

Dear Mr. Knight,

**Application for Reduction of the Number of Required Loading Spaces**

This firm is the professionally licensed civil engineering firm that has been engaged to prepare and process a Site Development Section Plan for the AC Hotel. Included in that engagement is the preparation and submission of this Application for a reduction in the required Loading Spaces. Loading requirements are contained in Section 31-04-04(E) of the City of Chesterfield Zoning Ordinance. Under the provisions of the Off-Street Parking and Loading requirements, hotels require loading spaces to be calculated from Table "B". Based on the proposed AC Hotel's total gross square footage of 81,254 sf, the required number of required loading spaces is (2) 10'x25' spaces and (1) 10'x40' space. The site plan proposed to provide only the (2) 10'x25' spaces. The (2) 10'x25' loading spaces are more than adequate to service this 81,254 sf Hotel based on the development housing a single tenant. In comparison, (3) similar sized hotels in Chesterfield did not provide any loading spaces. The Courtyard by Marriott Chesterfield with 112 rooms, the Townplace Suites Chesterfield with 112 rooms, and the Residence Inn with 128 rooms have no loading spaces. Enclosed are the respective Site Plans.

As always, we greatly appreciate your cooperation.

Sincerely,

Ryan Schriber, P.E.,  
Associate

CC: Mr. Rich Obertino – Tri Architects ([rich.obertino@triarchitects.com](mailto:rich.obertino@triarchitects.com))  
Mr. Dave Yancik – Tri Architects ([dave.yancik@triarchitects.com](mailto:dave.yancik@triarchitects.com))  
Mr. Dan Gronek – Brinkmann ([DGronek@askbrinkmann.com](mailto:DGronek@askbrinkmann.com))  
Mr. Ryan Rans - Great Lakes Capital ([rrans@greatlakescapital.com](mailto:rrans@greatlakescapital.com))  
Mr. Greg Schahet – Schahet Hotels ([greg@schahethotels.com](mailto:greg@schahethotels.com))  
Mr. George M. Stock, P.E. – President

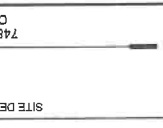
**257 Chesterfield Business Parkway, St. Louis, MO 63005**  
**636.530.9100 – Main | 636.530.9130 – Fax**  
**[www.stockassoc.com](http://www.stockassoc.com) | [general@stockassoc.com](mailto:general@stockassoc.com)**



COURTYARD BY MARRIOTT CHESTERFIELD, MO  
(LOT 7B OF CHESTERFIELD COMMONS SIX APPROVED BY CITY OF  
CHESTERFIELD UNDER DB: 363, PG. 312-314)  
(17369 CHESTERFIELD AIRPORT RD. 63005)  
112 ROOMS & MEETING ROOMS  
122 SPACES ON SITE

STOCK & ASSOCIATES  
 Consulting Engineers, Inc.  
 257 Chestnut Business Park Hwy  
 6500 Rock Hill, SC 29730  
 P: 803.781.1100  
 F: 803.781.1101  
 www.stockandassociates.com

PREPARED BY:  
 SITE DEVELOPMENT SECTION PLANS FOR  
**LOT 5B-2**  
 748 PREMIUM WAY - LOT 5B-2  
 CHESTERFIELD, MO 63005

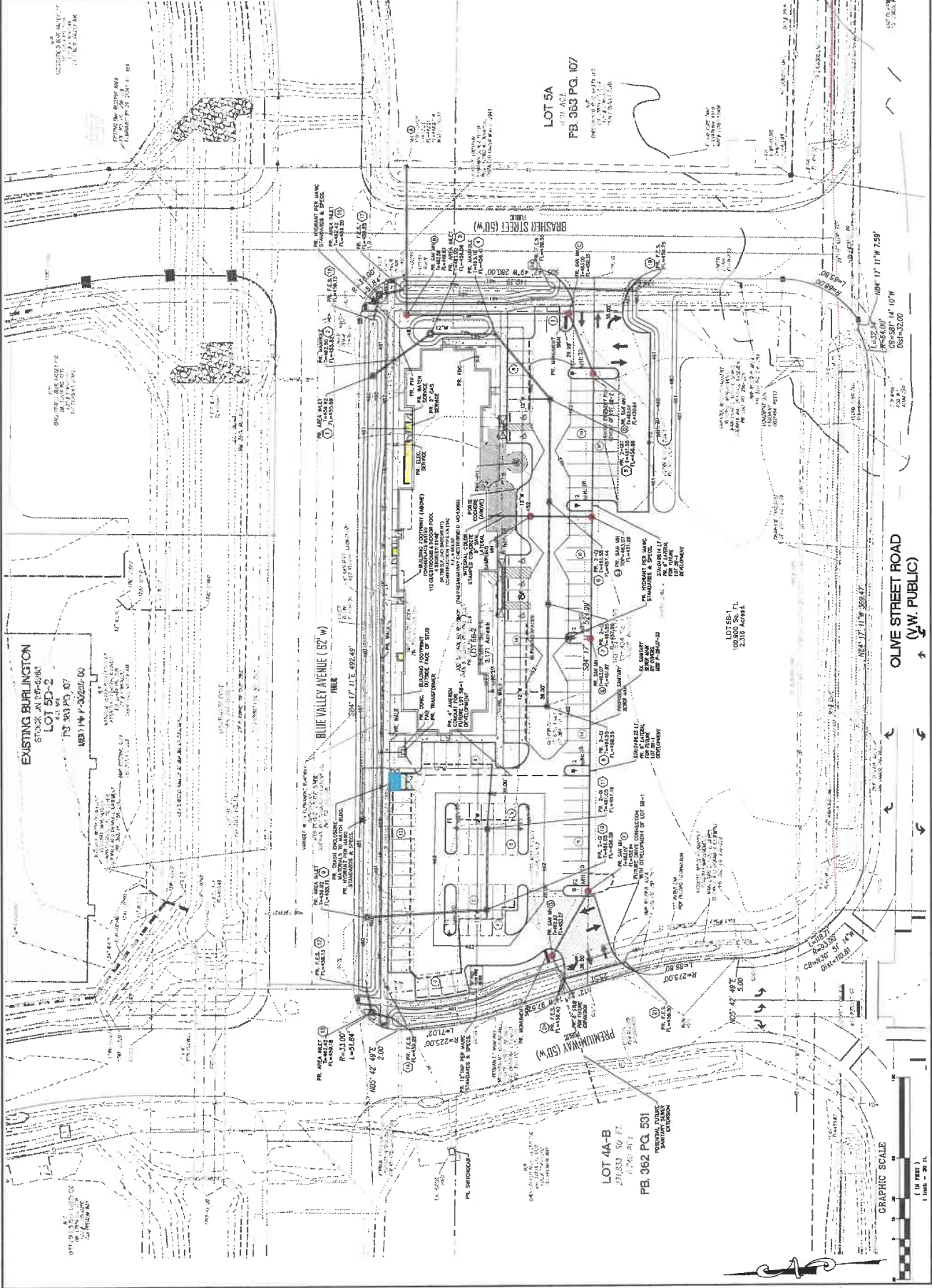


REVISIONS:

- 2018-09-28 CITY
- 2018-11-08 CITY
- 2018-12-15 CITY
- 2017-01-13 REVISED
- 2017-05-12 CITY

DATE: 08/20/18  
 PROJECT: 18-0000  
 SHEET NO.: SDSP-2  
 SHEET TITLE: SITE DEVELOPMENT SECTION PLANS FOR LOT 5B-2

GRAPHIC SCALE  
 1" = 50' FT.  
 1" = 100' FT.



EXISTING BURLINGTON  
 STOCK # 28-5484  
 LOT 5D-2  
 PD 363 PG. 07  
 METRIC P-302507-00

LOT 4A-B  
 271,833 SQ. FT.  
 6.266 ACRES  
 PB. 362 PG. 631  
 PERMANENT FUTURE  
 SAMPLING STATION

LOT 5A  
 1.71 ACRES  
 PB. 363 PG. 107

LOT 5B-1  
 100,000 SQ. FT.  
 2.318 ACRES

BRASHERS STREET (50' W)

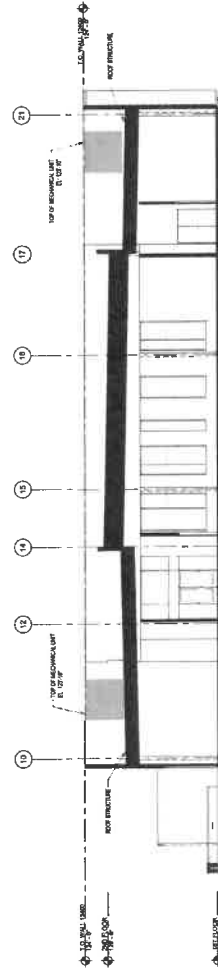
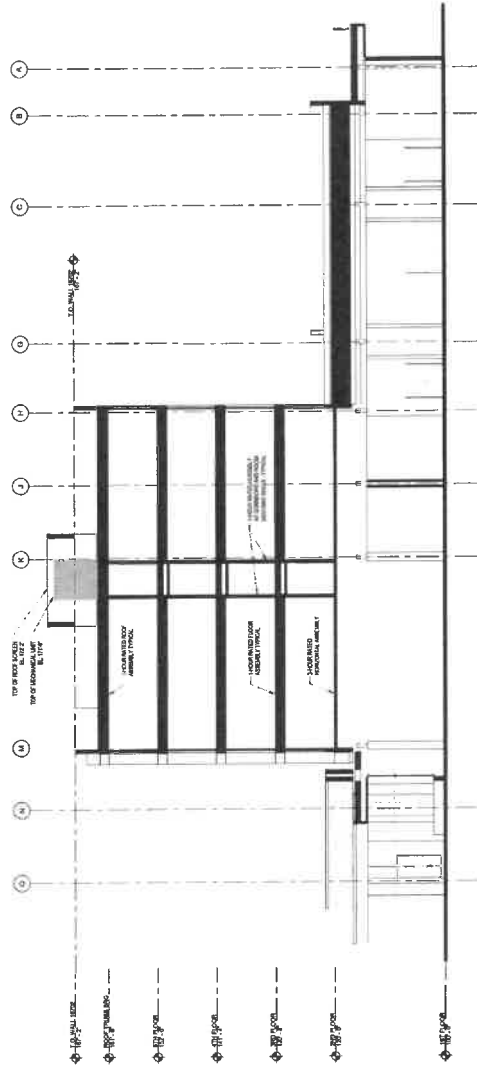
BLUE VALLEY AVENUE (52' W)

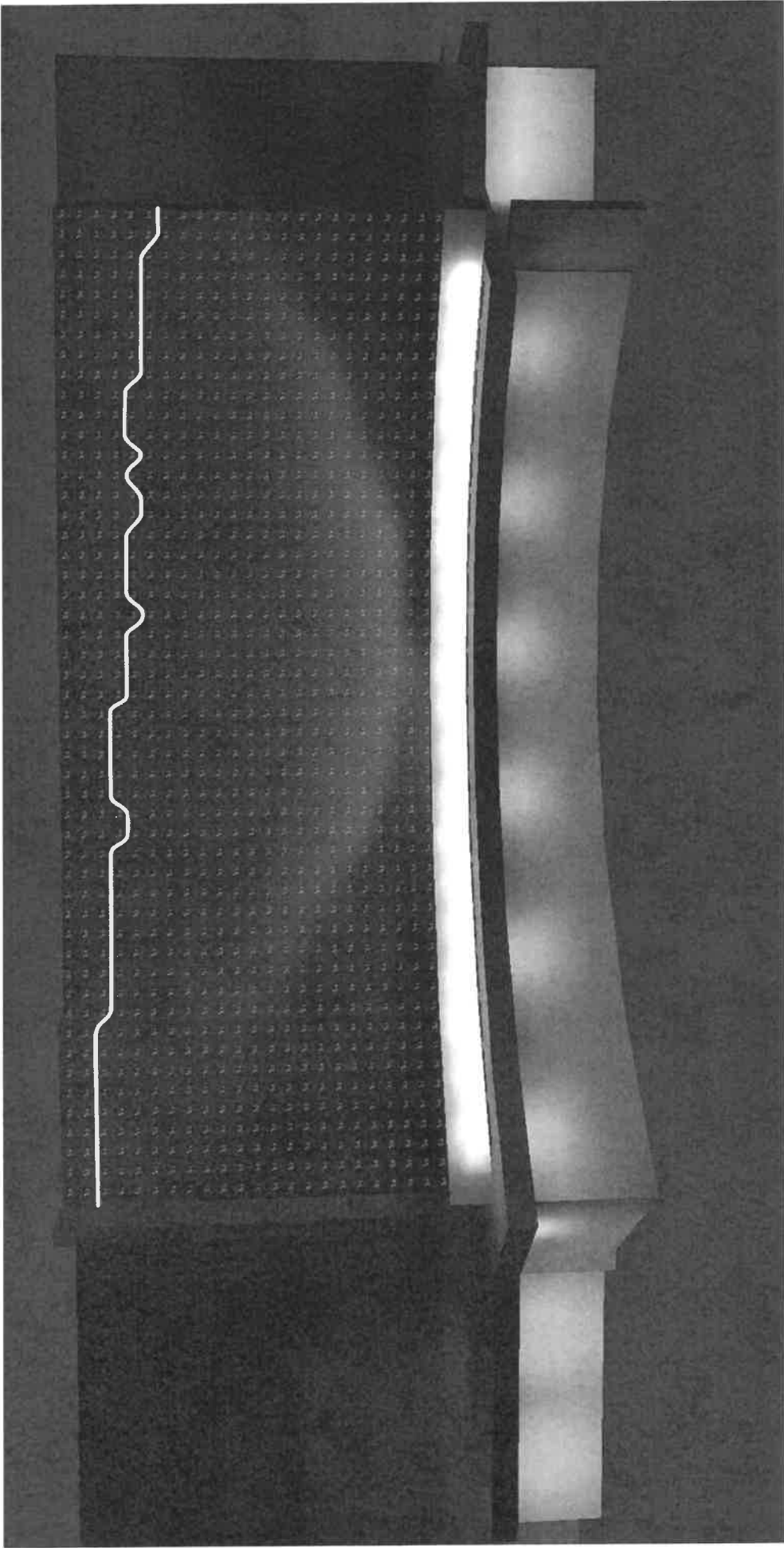
OLIVE STREET ROAD  
 (66' W, PUBLIC)

PREMIUM WAY (50' W)

STOCK & ASSOCIATES  
 Consulting Engineers, Inc.  
 257 Chestnut Business Park Hwy  
 6500 Rock Hill, SC 29730  
 P: 803.781.1100  
 F: 803.781.1101  
 www.stockandassociates.com







NOTE:  
0.0 LIGHT BLEED ABOVE YELLOW LINE

WEST ELEVATION LIGHTING



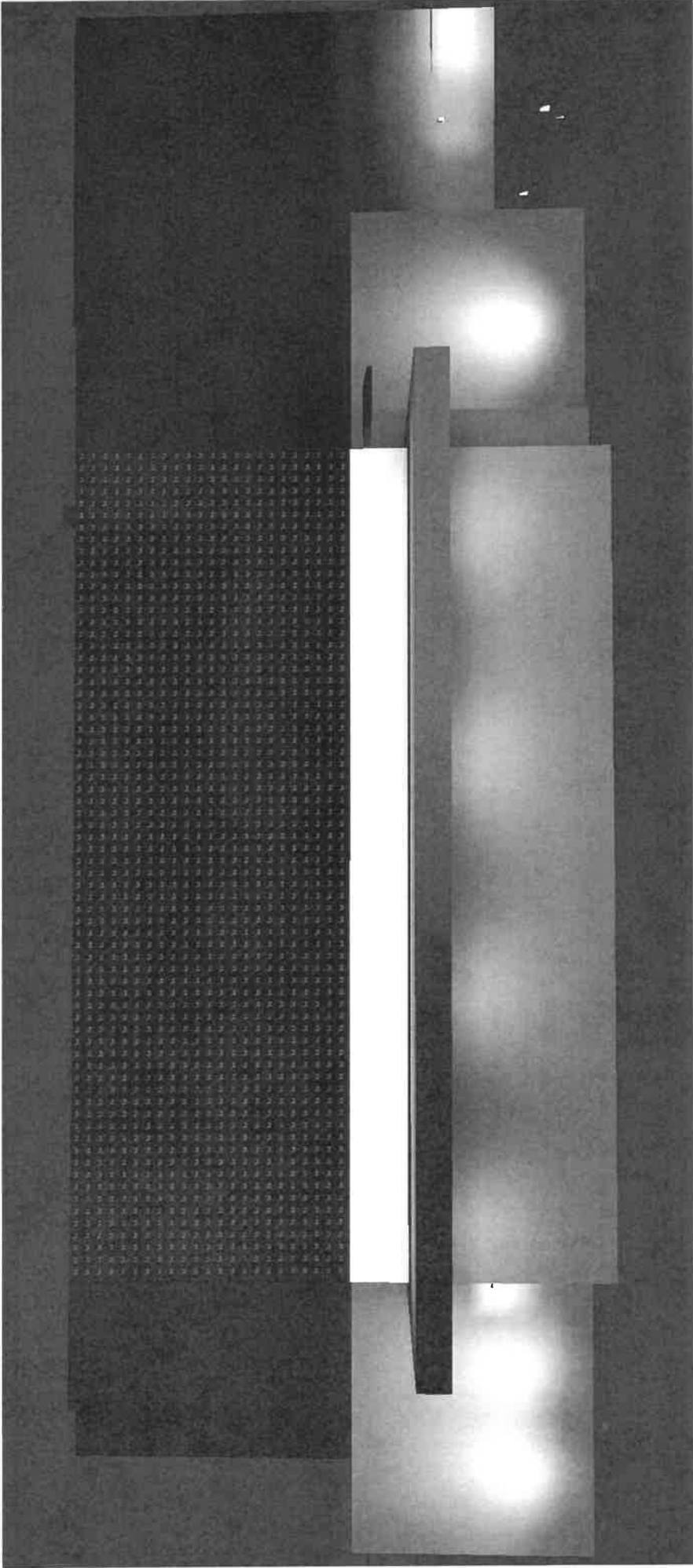
TRJ  
**ARCHITECTS**  
611 N. W. 10th St.  
St. Louis, Missouri 63119  
© Copyright 2018



**AC HOTEL**

CHESTERFIELD,  
18.123

MISSOURI  
10.21.19



NOTE:  
0.0 LIGHT BLEED ACROSS ENTIRE FIELD

EAST ELEVATION LIGHTING



ARCHITECTS  
9812 Manchester Road  
St. Louis, Missouri 63116  
© Copyright 2019



**AC HOTEL**

CHESTERFIELD,  
16.123

MISSOURI  
10.21.19

## 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>		<b>Type</b>
<b>Project</b>		
<b>Comments</b>		<b>Date</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

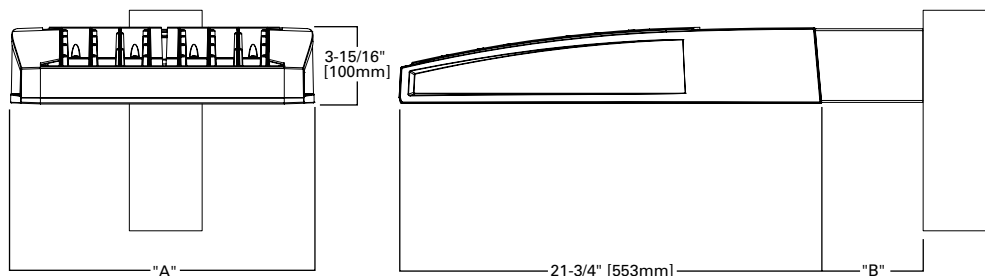
1-10 Light Squares  
Solid State LED

AREA/SITE LUMINAIRE



WaveLinx

## DIMENSIONS

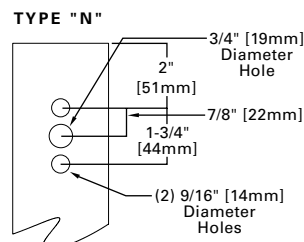


## DIMENSION DATA

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

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

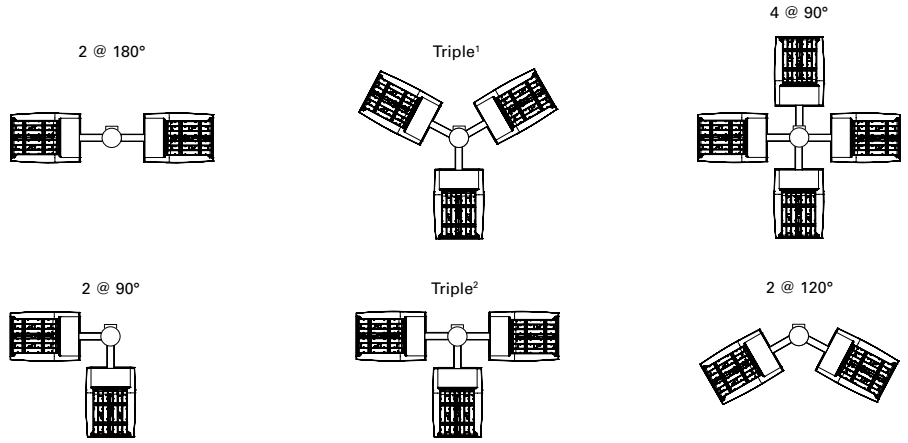
## ENERGY DATA

**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)



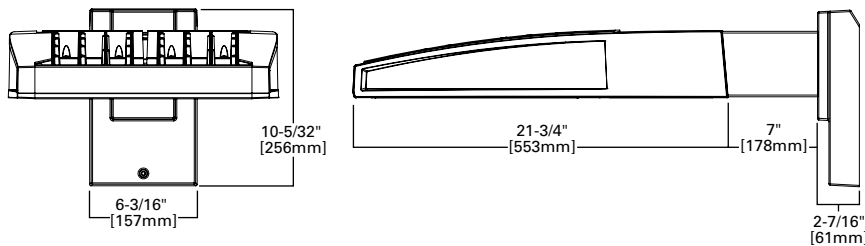
**ARM MOUNTING REQUIREMENTS**

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)

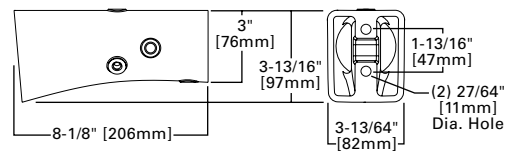


NOTES: 1 Round poles are 3 @ 120°. Square poles are 3 @ 90°. 2 Round poles are 3 @ 90°.

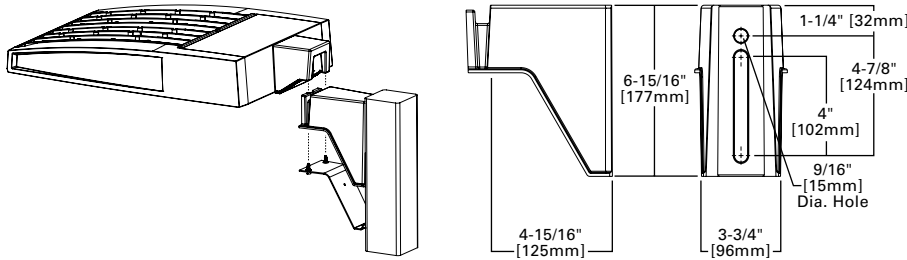
**STANDARD WALL MOUNT**



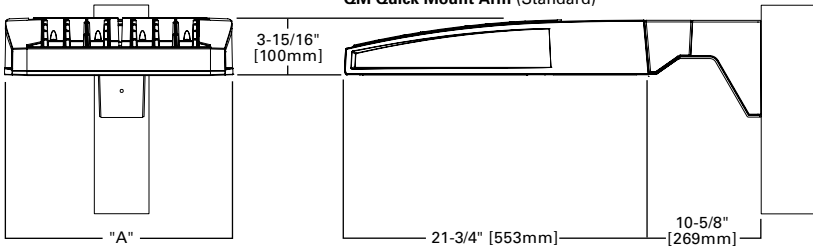
**MAST ARM MOUNT**



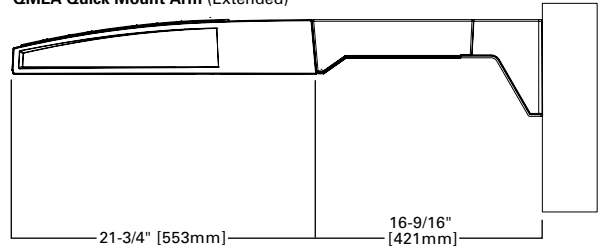
**QUICK MOUNT ARM (INCLUDES FIXTURE ADAPTER)**



**QM Quick Mount Arm (Standard)**



**QMEA Quick Mount Arm (Extended)**

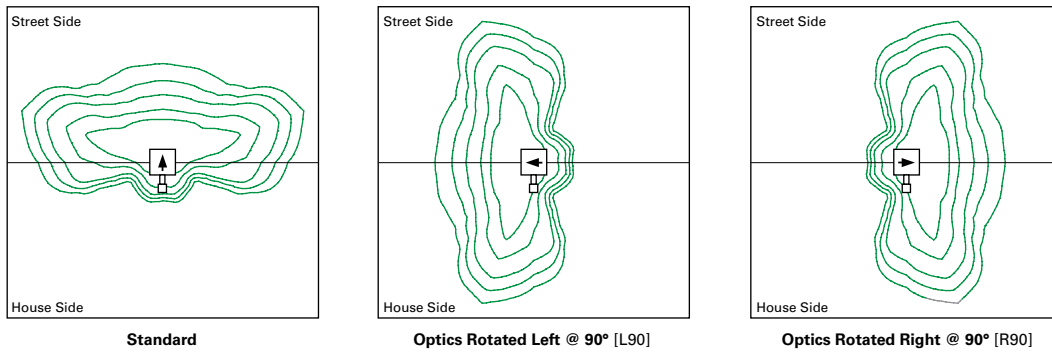


**QUICK MOUNT ARM DATA**

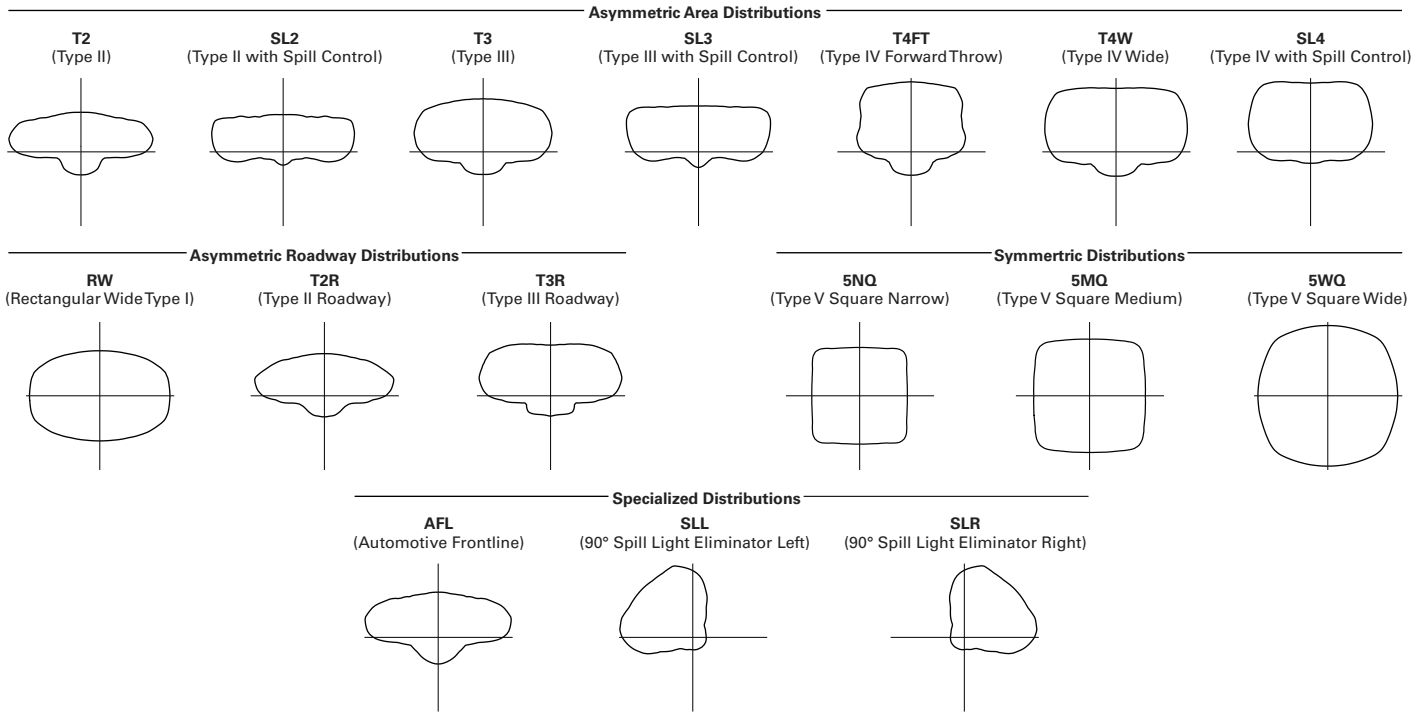
Number of Light Squares <sup>1,2</sup>	"A" Width	Weight with QM Arm (lbs.)	Weight with QMEA Arm (lbs.)	EPA (Sq. Ft.)
1-4	15-1/2" (394mm)	35 (15.91 kgs.)	38 (17.27 kgs.)	1.11
5-6 <sup>3</sup>	21-5/8" (549mm)	46 (20.91 kgs.)	49 (22.27 kgs.)	
7-8	27-5/8" (702mm)	56 (25.45 kgs.)	N/A	

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**

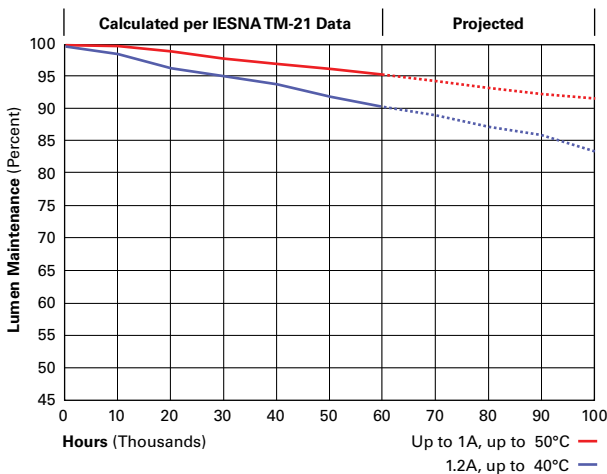


**LUMEN MAINTENANCE**

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	6,863	13,412	20,011	26,441	32,761	39,205	46,364	52,534	58,601	64,880
	3000K Lumens	6,489	12,681	18,919	25,000	30,974	37,066	43,836	49,668	55,405	61,341
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
<b>T2R</b>	4000K/5000K Lumens	7,285	14,238	21,246	28,072	34,780	41,621	49,221	55,770	62,212	68,878
	3000K Lumens	6,888	13,462	20,087	26,541	32,884	39,351	46,537	52,729	58,819	65,122
	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>T3</b>	4000K/5000K Lumens	6,995	13,670	20,397	26,951	33,391	39,959	47,256	53,544	59,728	66,130
	3000K Lumens	6,613	12,924	19,284	25,480	31,570	37,780	44,679	50,624	56,471	62,524
	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	7,150	13,973	20,850	27,549	34,134	40,846	48,307	54,734	61,056	67,598
	3000K Lumens	6,761	13,212	19,713	26,046	32,272	38,619	45,673	51,750	57,726	63,911
	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	B4-U0-G5	B4-U0-G5
<b>T4FT</b>	4000K/5000K Lumens	7,036	13,748	20,515	27,107	33,586	40,191	47,530	53,854	60,074	66,512
	3000K Lumens	6,652	12,999	19,397	25,629	31,754	37,999	44,938	50,917	56,797	62,885
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	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	6,945	13,571	20,249	26,756	33,152	39,671	46,917	53,160	59,298	65,653
	3000K Lumens	6,566	12,831	19,146	25,297	31,344	37,508	44,358	50,260	56,064	62,072
	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	6,851	13,388	19,977	26,396	32,704	39,137	46,283	52,444	58,498	64,768
	3000K Lumens	6,477	12,658	18,888	24,957	30,920	37,003	43,759	49,584	55,308	61,235
	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	6,994	13,668	20,394	26,947	33,388	39,953	47,249	53,537	59,720	66,119
	3000K Lumens	6,612	12,922	19,281	25,477	31,567	37,774	44,673	50,618	56,463	62,514
	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>SL4</b>	4000K/5000K Lumens	6,645	12,986	19,378	25,603	31,723	37,962	44,893	50,868	56,743	62,824
	3000K Lumens	6,282	12,279	18,321	24,207	29,993	35,892	42,445	48,094	53,648	59,398
	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	7,214	14,097	21,036	27,795	34,437	41,210	48,734	55,220	61,597	68,199
	3000K Lumens	6,820	13,329	19,888	26,279	32,558	38,962	46,077	52,208	58,237	64,479
	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	7,347	14,356	21,423	28,306	35,071	41,969	49,632	56,237	62,730	69,454
	3000K Lumens	6,947	13,573	20,254	26,762	33,158	39,680	46,925	53,170	59,309	65,667
	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	7,366	14,396	21,480	28,381	35,164	42,080	49,765	56,386	62,898	69,639
	3000K Lumens	6,964	13,610	20,308	26,833	33,247	39,786	47,050	53,311	59,468	65,842
	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	6,147	12,010	17,921	23,679	29,339	35,109	41,521	47,046	52,478	58,102
	3000K Lumens	5,811	11,355	16,944	22,388	27,739	33,194	39,256	44,479	49,617	54,933
	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	B3-U0-G5
<b>RW</b>	4000K/5000K Lumens	7,149	13,970	20,846	27,543	34,126	40,837	48,295	54,722	61,042	67,582
	3000K Lumens	6,760	13,208	19,709	26,041	32,264	38,610	45,661	51,738	57,713	63,897
	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	7,175	14,021	20,921	27,643	34,249	40,986	48,470	54,920	61,262	67,828
	3000K Lumens	6,784	13,256	19,780	26,136	32,381	38,750	45,827	51,925	57,922	64,129
	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-G3	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	4.60	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	0.41	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	6,256	12,225	18,242	24,104	29,865	35,739	42,265	47,888	53,420	59,144
	3000K Lumens	5,915	11,559	17,248	22,789	28,236	33,790	39,960	45,277	50,506	55,919
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
<b>T2R</b>	4000K/5000K Lumens	6,642	12,979	19,366	25,589	31,705	37,941	44,870	50,840	56,711	62,789
	3000K Lumens	6,280	12,271	18,311	24,193	29,976	35,872	42,423	48,068	53,619	59,365
	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	6,377	12,461	18,593	24,568	30,439	36,426	43,077	48,810	54,447	60,282
	3000K Lumens	6,029	11,781	17,580	23,229	28,781	34,441	40,731	46,150	51,480	56,997
	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	6,518	12,739	19,006	25,113	31,116	37,235	44,036	49,895	55,658	61,622
	3000K Lumens	6,029	11,781	17,579	23,229	28,779	34,440	40,729	46,148	51,478	56,995
	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	B4-U0-G5	B4-U0-G5
<b>T4FT</b>	4000K/5000K Lumens	6,414	12,533	18,702	24,710	30,616	36,637	43,328	49,093	54,763	60,631
	3000K Lumens	6,064	11,849	17,681	23,363	28,946	34,638	40,966	46,417	51,776	57,325
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	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	6,331	12,372	18,459	24,391	30,221	36,163	42,769	48,459	54,056	59,849
	3000K Lumens	5,986	11,697	17,452	23,061	28,572	34,192	40,436	45,817	51,108	56,585
	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	6,245	12,205	18,212	24,062	29,813	35,677	42,192	47,807	53,326	59,042
	3000K Lumens	5,904	11,539	17,218	22,750	28,187	33,732	39,891	45,199	50,418	55,822
	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	6,376	12,460	18,591	24,564	30,436	36,421	43,072	48,803	54,439	60,273
	3000K Lumens	6,028	11,780	17,578	23,224	28,776	34,435	40,723	46,141	51,471	56,986
	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	6,058	11,838	17,664	23,340	28,918	34,605	40,924	46,370	51,727	57,269
	3000K Lumens	5,727	11,193	16,701	22,067	27,341	32,718	38,692	43,841	48,906	54,146
	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	6,577	12,851	19,176	25,336	31,392	37,566	44,426	50,337	56,151	62,170
	3000K Lumens	6,218	12,151	18,131	23,955	29,680	35,517	42,003	47,592	53,089	58,779
	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	6,697	13,088	19,528	25,803	31,970	38,258	45,243	51,264	57,185	63,313
	3000K Lumens	6,332	12,374	18,463	24,395	30,227	36,171	42,776	48,468	54,066	59,861
	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	6,715	13,122	19,580	25,871	32,055	38,360	45,365	51,401	57,337	63,482
	3000K Lumens	6,348	12,406	18,513	24,461	30,307	36,268	42,891	48,599	54,210	60,021
	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	5,604	10,949	16,337	21,586	26,745	32,004	37,850	42,886	47,838	52,965
	3000K Lumens	5,298	10,351	15,446	20,409	25,287	30,258	35,786	40,547	45,229	50,077
	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	6,517	12,735	19,002	25,107	31,109	37,227	44,025	49,883	55,644	61,607
	3000K Lumens	6,162	12,040	17,965	23,738	29,413	35,197	41,623	47,163	52,609	58,247
	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	6,541	12,781	19,072	25,199	31,221	37,362	44,185	50,065	55,846	61,831
	3000K Lumens	6,184	12,084	18,032	23,825	29,519	35,325	41,775	47,334	52,801	58,459
	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	5,054	9,878	14,739	19,475	24,129	28,875	34,148	38,691	43,159	47,785
	3000K Lumens	4,779	9,338	13,935	18,412	22,813	27,301	32,286	36,581	40,805	45,179
	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	5,366	10,486	15,647	20,675	25,616	30,654	36,252	41,076	45,819	50,730
	3000K Lumens	5,074	9,914	14,794	19,548	24,218	28,982	34,276	38,835	43,320	47,964
	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-G5
<b>T3</b>	4000K/5000K Lumens	5,153	10,068	15,022	19,849	24,593	29,430	34,805	39,436	43,990	48,705
	3000K Lumens	4,872	9,519	14,203	18,766	23,251	27,825	32,907	37,285	41,591	46,048
	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>T3R</b>	4000K/5000K Lumens	5,266	10,292	15,356	20,290	25,140	30,084	35,578	40,312	44,968	49,786
	3000K Lumens	4,979	9,731	14,518	19,184	23,769	28,443	33,638	38,114	42,516	47,071
	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	5,182	10,126	15,109	19,964	24,736	29,600	35,006	39,664	44,245	48,987
	3000K Lumens	4,899	9,574	14,285	18,876	23,387	27,986	33,097	37,501	41,832	46,315
	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	5,115	9,995	14,914	19,706	24,417	29,218	34,554	39,152	43,674	48,354
	3000K Lumens	4,836	9,450	14,100	18,631	23,085	27,624	32,670	37,017	41,292	45,717
	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	5,046	9,860	14,713	19,441	24,087	28,825	34,089	38,625	43,085	47,702
	3000K Lumens	4,771	9,322	13,911	18,381	22,774	27,253	32,229	36,518	40,735	45,101
	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	B3-U0-G5	B4-U0-G5
<b>SL3</b>	4000K/5000K Lumens	5,152	10,067	15,020	19,846	24,591	29,426	34,800	39,431	43,984	48,698
	3000K Lumens	4,871	9,518	14,200	18,764	23,249	27,822	32,902	37,280	41,585	46,042
	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	4,894	9,565	14,271	18,857	23,364	27,959	33,065	37,465	41,792	46,270
	3000K Lumens	4,627	9,043	13,492	17,829	22,090	26,434	31,261	35,422	39,513	43,746
	BUG Rating	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	B3-U0-G5
<b>5NQ</b>	4000K/5000K Lumens	5,313	10,383	15,493	20,470	25,363	30,351	35,893	40,669	45,367	50,229
	3000K Lumens	5,024	9,817	14,647	19,354	23,980	28,696	33,936	38,452	42,893	47,490
	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-G3
<b>5MQ</b>	4000K/5000K Lumens	5,411	10,574	15,778	20,848	25,830	30,911	36,554	41,418	46,202	51,154
	3000K Lumens	5,117	9,997	14,917	19,710	24,421	29,225	34,561	39,160	43,682	48,364
	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	5,426	10,603	15,820	20,903	25,899	30,992	36,652	41,529	46,325	51,290
	3000K Lumens	5,130	10,025	14,958	19,763	24,486	29,302	34,654	39,263	43,799	48,493
	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	4,528	8,846	13,199	17,440	21,609	25,858	30,580	34,649	38,651	42,792
	3000K Lumens	4,281	8,364	12,480	16,489	20,430	24,448	28,912	32,759	36,543	40,459
	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	5,265	10,289	15,353	20,285	25,134	30,077	35,569	40,303	44,958	49,775
	3000K Lumens	4,978	9,727	14,516	19,179	23,763	28,437	33,629	38,105	42,506	47,060
	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	5,285	10,327	15,409	20,360	25,225	30,186	35,699	40,450	45,120	49,956
	3000K Lumens	4,996	9,763	14,569	19,249	23,849	28,540	33,752	38,244	42,659	47,232
	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	4,121	8,055	12,019	15,881	19,676	23,547	27,847	31,552	35,196	38,967
	3000K Lumens	3,896	7,615	11,363	15,015	18,604	22,263	26,328	29,831	33,276	36,842
	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	4,376	8,552	12,760	16,860	20,890	24,998	29,563	33,497	37,365	41,369
	3000K Lumens	4,138	8,085	12,064	15,941	19,751	23,635	27,951	31,670	35,328	39,113
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4
<b>T3</b>	4000K/5000K Lumens	4,201	8,210	12,251	16,187	20,055	23,999	28,383	32,159	35,873	39,718
	3000K Lumens	3,973	7,763	11,583	15,304	18,961	22,691	26,835	30,406	33,916	37,552
	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>T3R</b>	4000K/5000K Lumens	4,294	8,393	12,523	16,546	20,501	24,532	29,014	32,875	36,671	40,600
	3000K Lumens	4,060	7,936	11,840	15,644	19,383	23,195	27,432	31,082	34,671	38,386
	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	4,226	8,257	12,321	16,280	20,172	24,139	28,547	32,346	36,082	39,948
	3000K Lumens	3,996	7,807	11,649	15,392	19,071	22,822	26,990	30,582	34,114	37,770
	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	4,171	8,151	12,162	16,071	19,912	23,827	28,178	31,928	35,615	39,432
	3000K Lumens	3,943	7,706	11,498	15,194	18,825	22,527	26,642	30,187	33,673	37,281
	BUG Rating	B1-U0-G1	B2-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	4,114	8,041	11,998	15,854	19,643	23,506	27,799	31,498	35,135	38,901
	3000K Lumens	3,890	7,603	11,344	14,989	18,572	22,224	26,282	29,780	33,219	36,779
	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-G4	B3-U0-G5
<b>SL3</b>	4000K/5000K Lumens	4,200	8,209	12,249	16,184	20,053	23,996	28,379	32,154	35,869	39,712
	3000K Lumens	3,972	7,762	11,580	15,302	18,960	22,688	26,831	30,400	33,913	37,546
	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	3,992	7,799	11,638	15,378	19,053	22,801	26,964	30,552	34,081	37,733
	3000K Lumens	3,774	7,374	11,003	14,539	18,015	21,557	25,493	28,886	32,222	35,674
	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	B2-U0-G5	B3-U0-G5
<b>5NQ</b>	4000K/5000K Lumens	4,333	8,467	12,634	16,694	20,683	24,751	29,271	33,166	36,996	40,961
	3000K Lumens	4,097	8,005	11,945	15,784	19,555	23,401	27,674	31,357	34,978	38,727
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G1	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	4,413	8,622	12,867	17,000	21,064	25,207	29,810	33,777	37,677	41,715
	3000K Lumens	4,173	8,152	12,165	16,073	19,915	23,832	28,185	31,934	35,623	39,440
	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	4,424	8,646	12,900	17,046	21,120	25,274	29,890	33,866	37,778	41,826
	3000K Lumens	4,182	8,175	12,197	16,117	19,968	23,896	28,260	32,018	35,717	39,545
	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	3,692	7,214	10,763	14,222	17,621	21,086	24,937	28,256	31,519	34,897
	3000K Lumens	3,491	6,820	10,176	13,447	16,660	19,937	23,577	26,715	29,800	32,994
	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	4,293	8,390	12,520	16,542	20,496	24,527	29,007	32,866	36,662	40,591
	3000K Lumens	4,059	7,932	11,837	15,640	19,378	23,189	27,425	31,074	34,662	38,377
	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	4,310	8,421	12,566	16,602	20,571	24,616	29,112	32,986	36,795	40,738
	3000K Lumens	4,074	7,962	11,881	15,697	19,448	23,273	27,525	31,187	34,788	38,516
	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.

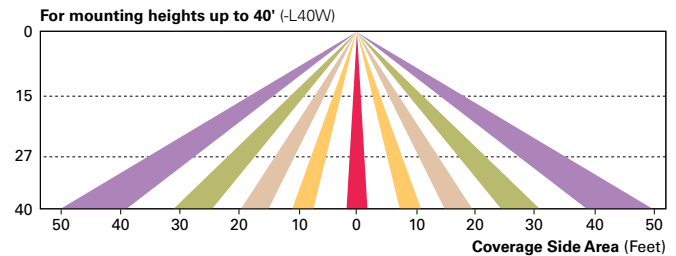
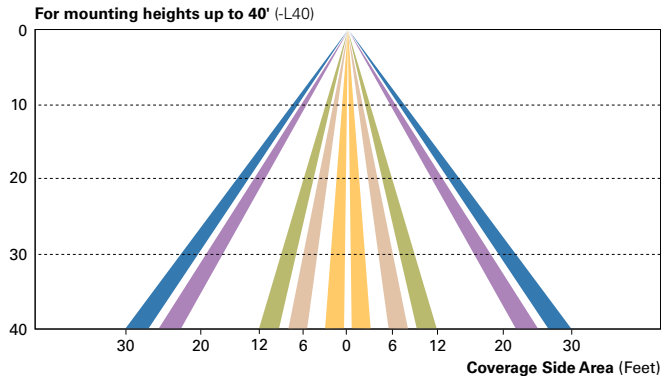
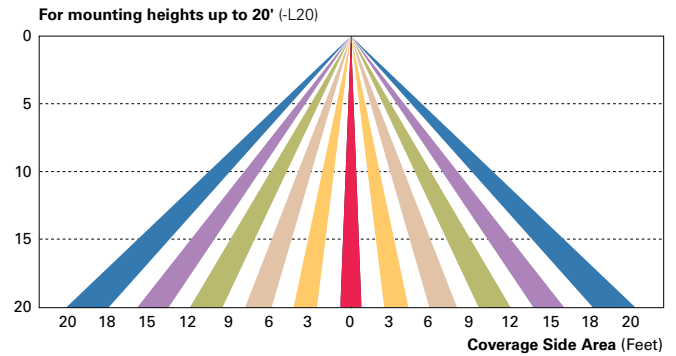
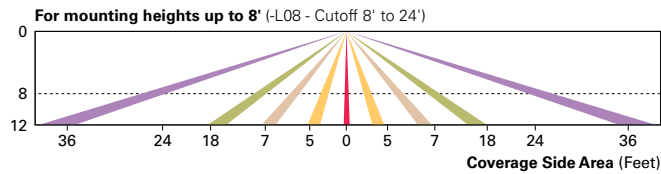
**After Hours Dim (AHD)**

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)**

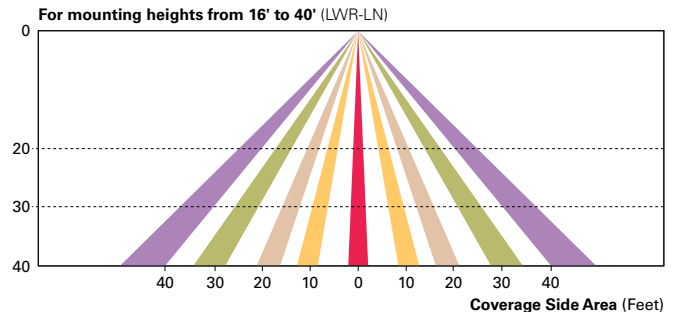
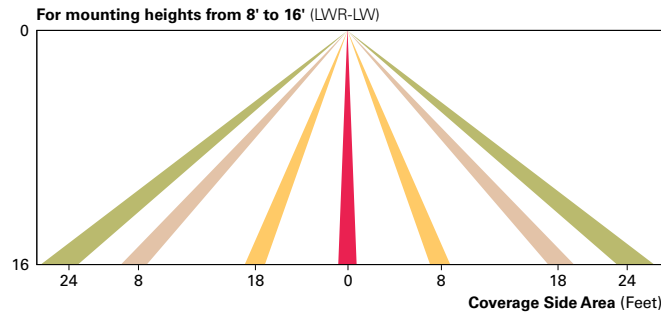
These sensors are factory installed in the luminaire housing. When the MS/DIM-LXX sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The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

Table with 8 columns: Product Family, Light Engine, Number of Light Squares, Lamp Type, Voltage, Distribution, Color, Mounting. Contains technical specifications for GLEON=Galleon AF=1A Drive Current.

Table with 2 columns: Options (Add as Suffix) and Accessories (Order Separately). Lists various options like 7027=70 CRI 2700K and accessories like OA/RA1016=NEMA Photocontrol.

NOTES: 1 Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. 2 DesignLights Consortium Qualified. Refer to www.designlights.org...

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

Table with 3 columns: Product Family, Camera Type, Data Backhaul. Includes L=LumenSafe Technology and options for Camera Type (D, H, Z) and Data Backhaul (C, A, V, S).

\*Consult LumenSafe system pages for additional details and compatibility.



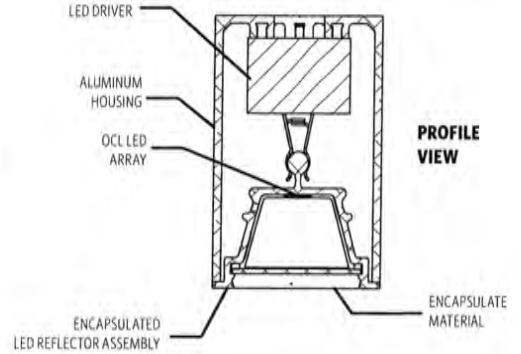


Custom configuration shown

# Skyline™

**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**

**SK1** - - - **GW** - - - / - **UNV** - **DMO** -

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>O10A***</b>	OUTDOOR ADA-COMPLIANT SCNCE		<b>36</b>		<b>AWP</b> AUTUMN WHITE	<b>HEP</b> HENNA
	<b>C10B</b>	OUTDOOR RECESSED CEILING MOUNT		<b>48</b>		<b>BEP</b> BEIGE	<b>KAP</b> KHAKI
	<b>O10C</b>	OUTDOOR RECESSED SCNCE		<b>60</b>		<b>BKP</b> BLACK	<b>LBP</b> LIGHT BRONZE
				<b>72*</b>		<b>BLP</b> BLUE	<b>MWP</b> MATTE WHITE
			<b>84*</b>	<b>BMP</b> BRASS METALLIC	<b>RHP</b> RESEDA HAMMERTONE		
			<b>96*</b>	<b>BNP</b> BRONZE	<b>SAP</b> SAGE GREEN		
			<b>XX**</b>	<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>F</b>		<b>G</b>		<b>H</b>		<b>I</b>	
<b>LIGHT SOURCE</b>		<b>VOLTAGE</b>		<b>CONTROL</b>		<b>OPTIONS</b>	
<b>LED OUTPUT</b>	<b>COLOR TEMP</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>LED1</b>	<b>27K</b>			<b>IJC</b> ILLUMINATED CORNERS		<b>MOD</b> MODIFIED LUMINAIRE (CONTACT LOCAL REP)	
<b>LED2</b>	<b>30K</b>						
	<b>35K</b>						
	<b>40K</b>						

**NOTE:** FIXTURE CANNOT BE INSTALLED WITH REFLECTOR ASSEMBLY FACING UPWARD.

SAMPLE CODE- SK1-C10A-48-GW-MWP-LED1/35K-0/1V-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

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**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

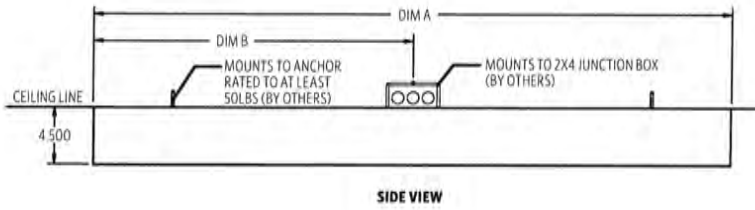
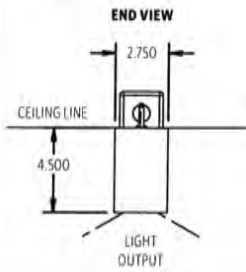
This chart was created for a 35K color temp. Multiply by 0.95 for 27k color temp, 0.97 for 30k color temp, and 1.03 for 40k color temp.

**MODS, NOTES, & COMMENTS**

**HANGING SYSTEM**



**C10A** OUTDOOR SURFACE CEILING MOUNT



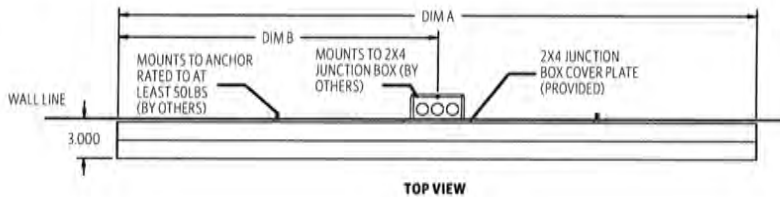
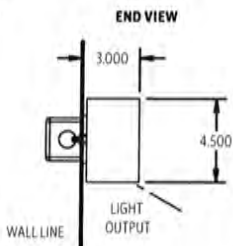
**MOUNTING INFORMATION CHART**

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



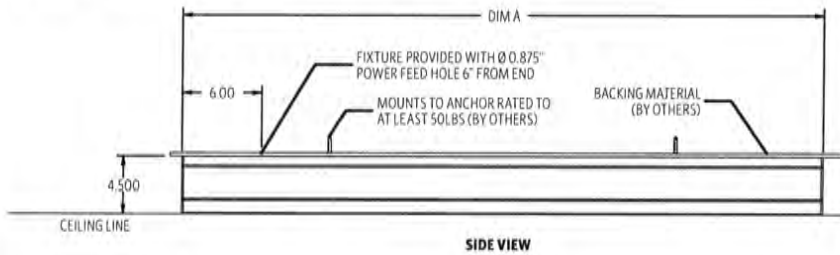
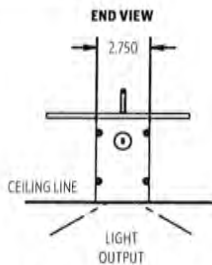
**MOUNTING INFORMATION CHART**

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



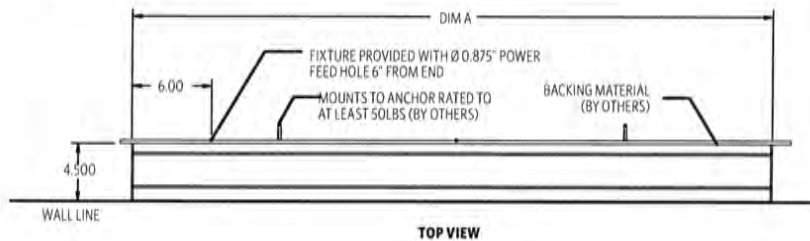
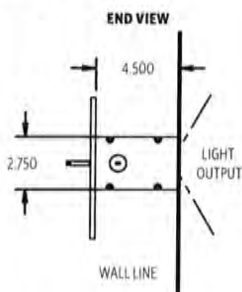
**MOUNTING INFORMATION CHART**

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**



**GW** GLOSS WHITE

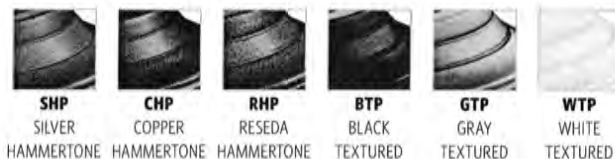
**SOLID POWDER COAT FINISHES:**



**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**

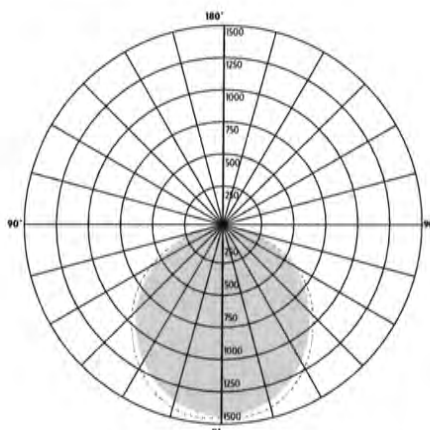
		LUMENS AND WATTAGE CHART						
		24"	36"	48"	60"	72"	84"	96"
<b>LED1</b>	LUMENS DELIVERED	1510	2230	3020	3740	4460	5260	5980
	SYSTEM WATTAGE	21	31	42	52	62	73	83
<b>LED2</b>	LUMENS DELIVERED	2020	2950	3960	4970	5980	6957	7920
	SYSTEM WATTAGE	28	41	55	69	83	97	110

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](http://ocl.com).

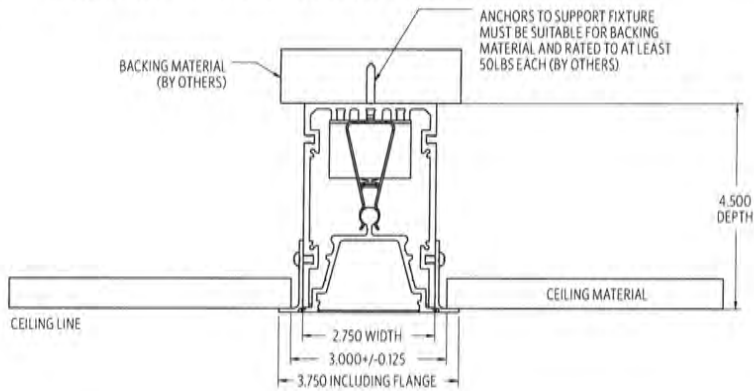
**CONTROL**

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

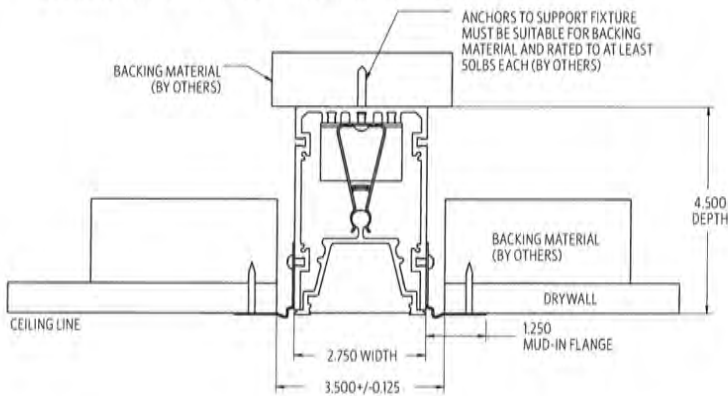
- 0-10V DIMMING
- 10% MINIMUM DIM LEVEL
- ELECTRONIC DRIVER
- POWER FACTOR >0.9
- THD <20%
- MIN AMBIENT OPERATING TEMPERATURE -40°F
- FIELD REPLACEABLE

**OPTIONS**

**VSF** VISIBLE FLANGE OPTION FOR CIOB AND OIOC MOUNTING TYPES ONLY



**SPF** SPACKLE FLANGE OPTION FOR CIOB AND OIOC MOUNTING TYPES ONLY



**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 (LDET) 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

# PITCH SINGLE WALL SCONCE



An architectural profile reminiscent of beautifully classic roof lines delivers significant light output in this modern LED wall sconce suitable for both indoor and outdoor applications. The Pitch Single's die-cast metal body houses powerful LED light sources that create visual appeal as light cascades down along a wall.

## High quality LM80-tested LEDs

for consistent long-life performance and color

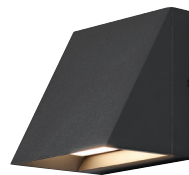
## Outstanding protection against the elements:

- Powder coat finishes
- Stainless Steel mounting hardware
- Impact-resistant, UV stabilized frosted acrylic lensing

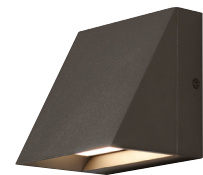
## Can be mounted for up lighting or down lighting

## SPECIFICATIONS

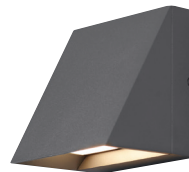
DELIVERED LUMENS	823
WATTS	26.1
VOLTAGE	120V, 277V
DIMMING	ELV
LIGHT DISTRIBUTION	Symmetric
MOUNTING OPTIONS	Downlight or Uplight
CCT	2700K, 3000K
CRI	80+
COLOR BINNING	3 Step
BUG RATING	B1-U0-G0
DARK SKY	Compliant (Downlight)
WET LISTED	IP65
GENERAL LISTING	ETL
CALIFORNIA TITLE 24	Can be used to comply with CEC 2016 Title 24 Part 6 for outdoor use. Registration with CEC Appliance Database not required.
START TEMP	-30°C
FIELD SERVICEABLE LED	No
CONSTRUCTION	Aluminum
HARDWARE	Stainless Steel
FINISH	Powder Coat
LED LIFETIME	L70; 70,000 Hours
WARRANTY*	5 Years
WEIGHT	1.2 lbs.



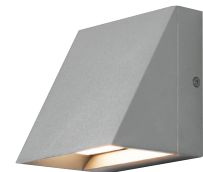
PITCH SINGLE  
shown in black



PITCH SINGLE  
shown in bronze



PITCH SINGLE  
shown in charcoal



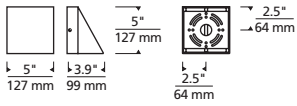
PITCH SINGLE  
shown in silver

\* Visit [techlighting.com](http://techlighting.com) for specific warranty limitations and details.

## ORDERING INFORMATION

700WSPIT	SIZE	FINISH	LAMP
	S SINGLE	B BLACK	-LED827 LED 80 CRI, 2700K 120V
		Z BRONZE	-LED827277 LED 80 CRI, 2700K 277V
		H CHARCOAL	-LED830 LED 80 CRI, 3000K 120V
		I SILVER	-LED830277 LED 80 CRI, 3000K 277V

# PITCH SINGLE WALL SCONCE



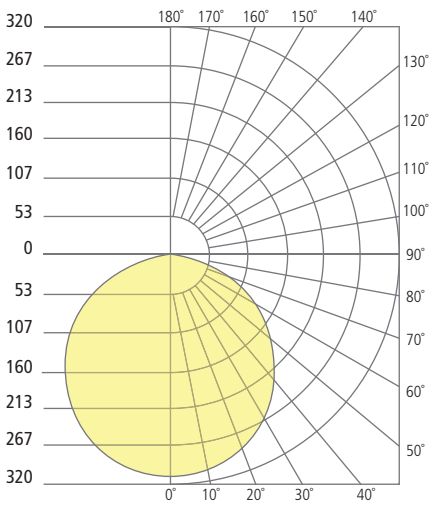
Pitch Single

## PHOTOMETRICS\*

\*For latest photometrics, please visit [www.techlighting.com/OUTDOOR](http://www.techlighting.com/OUTDOOR)

### PITCH SINGLE

- Total Lumen Output: 823
- Total Power: 26.2
- Luminaire Efficacy: 31.4
- Color Temp: 3000K
- CRI: 80+
- BUG Rating: B1-U0-G0



## PROJECT INFO

FIXTURE TYPE & QUANTITY	JOB NAME & INFO	NOTES



GENERATION BRANDS  
7400 Linder Avenue, Skokie, Illinois 60077  
T 847.410.4400 F 847.410.4500

# STL259 LED

615-1420

1/3

**we-ef**



## Description

IP55. Recessed LED steplight for orientation. Shielded light source. Suitable for installation in cavity wall construction or concrete pour construction using optional installation blockout.

<b>Beam Type</b>	diffused distribution
<b>Light Source</b>	LED-6/6W / 350 mA - 4000 K
<b>CRI</b>	80
<b>Gear Type</b>	electronic gear
<b>Nominal Luminous Flux (lm)</b>	
LED Lumens	134.5 lm
LEDs	6
Total Lumens	807 lm
Tj	85 °C
<b>Delivered Lumens Flux (lm)</b>	
LED Lumens	3.7 lm
Total Lumens	22.2 lm
Ta	25 °C
<b>Rated Input Power</b>	7.7 W

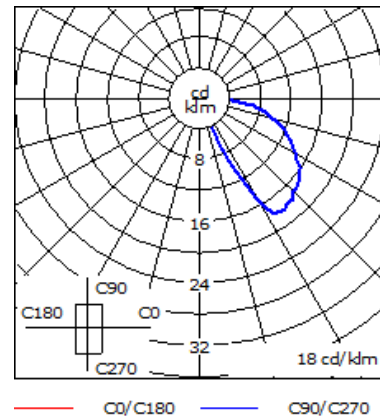
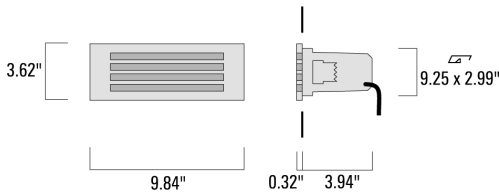


# STL259 LED


615-1420

2/3

**we-ef**



## Material Specification

Body:	Luminaire body and lens frame constructed in die cast aluminum.
Weight (lbs):	2.90
Lens:	Opal polycarbonate lens.
Colours:	<ul style="list-style-type: none"><li>■ RAL9004 Black</li><li>■ RAL9007 Grey Metallic</li><li>■ RAL9016 White</li><li>■ RAL8019 Dark Bronze</li></ul>
 Quick Ship	Quickship features a one week ship time for Steplights and two week ship time for the rest of our Core products. All applicable information must be included for orders to be processed and colours must be in one of our 4 standard finishes. A maximum order quantity of 30 pieces applies.
Gasket:	Silicone rubber gasket
Fasteners:	PCS polymer coated stainless steel
Ingress protection:	IP55
Impact protection:	IK10
Corrosion protection:	5CE
Mounting:	Suitable for installation in cavity wall construction or concrete pour construction using optional installation blockout.
Listings:	ETL listed. Suitable for wet locations.

## Electrical Specification

Power supply:	Integral [ECG] electronic 0-10 V dimmable driver in 120 or 277 volt. Specify voltage.
Driver / Ballast:	Integral EC electronic converter
Cable:	Suitable for through wiring.

# STL259 LED

615-1420

3/3

**we-ef**

## Lifetime

LED >60,000 h Ta 25°(L70/B10) Control gear >50,000 h Ta 25°

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## Mounting Accessories

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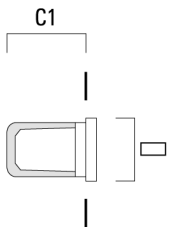
### Installation blackout

Optional mounting accessories for concrete pour installations. Installation blackout. Suitable for installing recesses wall luminaire in concrete pour installations. Serve as rough-in housing prior to installation of luminaire. Includes hardware necessary for attachment to formwork.

**C1**

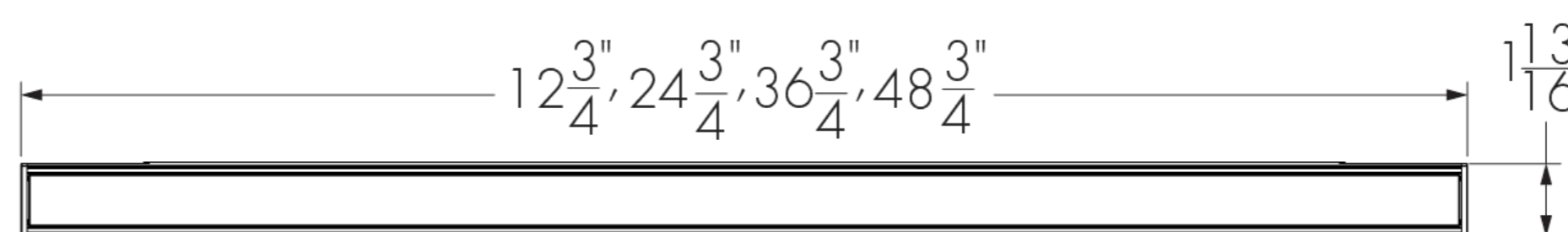
■ **615-9325** Installation blackout BST25-I

5.12

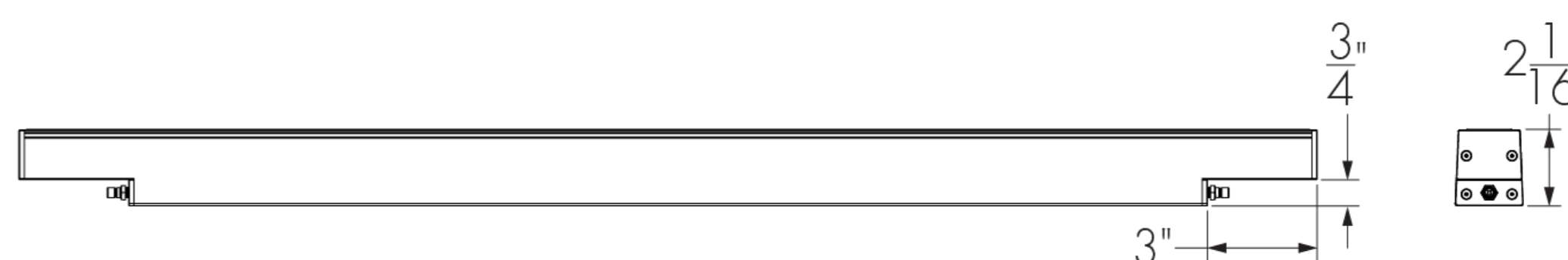


Project Name \_\_\_\_\_ Qty \_\_\_\_\_

Type \_\_\_\_\_ Catalog / Part Number \_\_\_\_\_



Top view



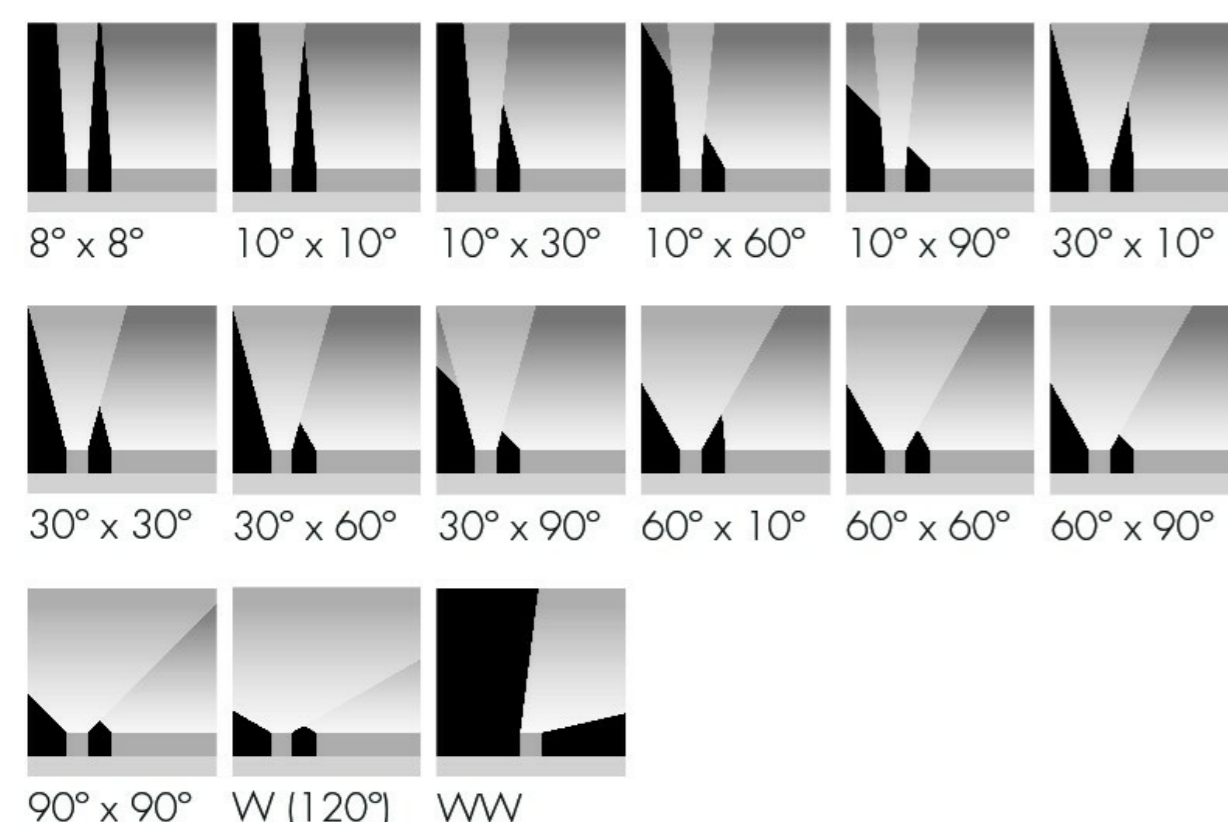
Front and side views

**Photometric Summary**

4ft, 4 W/ft, 4000K	Delivered output (lm)	Intensity (peak cd)
8°x8°	1,530	41,352
10°x10°	1,456	32,262
10°x30°	1,435	9,126
10°x60°	1,427	4,867
10°x90°	1,424	2,551
30°x10°	1,439	9,098
30°x30°	1,767	4,079
30°x60°	1,713	2,581
30°x90°	1,726	1,865
60°x10°	1,426	5,647
60°x60°	1,730	1,279
60°x90°	1,719	1,540
90°x90°	1,690	1,045
W (120°)	864	N/A
WW	1,524	7,393

Photometric performance is measured in compliance with IESNA LM 79-08.

**Optics**



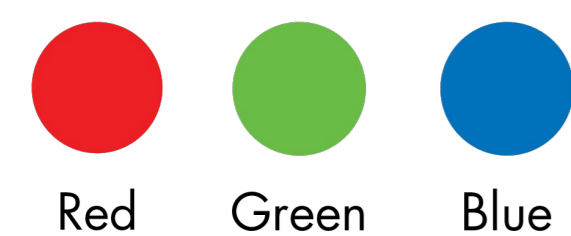
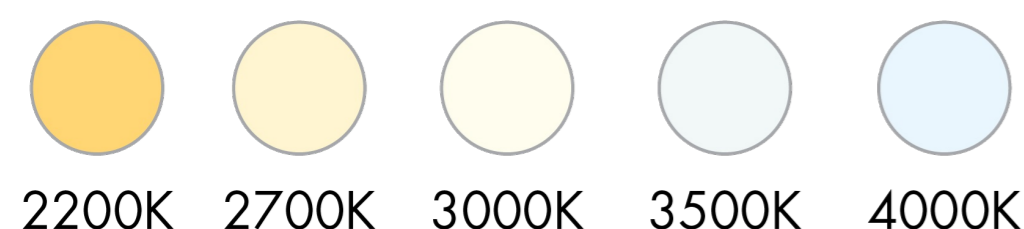
**Description**

The Lumenfacade Nano White and Static Colors is a high-efficiency linear LED luminaire that goes where no facade lighting has gone before. Available in 12 in, 24 in, 36 in or 48 in sections, the Lumenfacade Nano is the right fit for general urban structures, historical buildings and those hardest to reach places. The Lumenfacade Nano packs all the bells and whistles of the larger members of the Lumenfacade family and can be configured with a wide number of options, including: optics for grazing, floodlighting or wall washing; a choice of outputs; various color temperatures or static colors; various mounting options, finishes, accessories and controls. The Lumenfacade Nano is also available with a unique asymmetric distribution, providing exceptional uniformity and brightness for walls and signage.

**Features**

<b>Color and Color Temperature</b>	2200K, 2700K, 3000K, 3500K, 4000K, Red, Green, Blue
<b>Length (nominal)</b>	12 in, 24 in, 36 in, 48 in
<b>Optics</b>	8° x 8°, 10° x 10°, 10° x 30°, 10° x 60°, 10° x 90°, 30° x 10°, 30° x 30°, 30° x 60°, 30° x 90°, 60° x 10°, 60° x 60°, 60° x 90°, 90° x 90°, Wide 120°, Asymmetric Wallwash
<b>Options</b>	Corrosion-resistant coating for hostile environments
<b>Power Consumption</b>	2 W/ft, 4 W/ft
<b>Warranty</b>	5-year limited warranty

## Colors and Color Temperatures



## Controls

ON/OFF UCTL

## Ratings

IP66 IK08

## Certifications



## Performance

<b>Delivered Output</b>	884 lm (2 W/ft, 48 in fixture, 4000K, 30° x 30°, UCTL), 1,767 lm (4 W/ft, 48 in fixture, 4000K, 30° x 30°, UCTL)
<b>Delivered Intensity</b>	20,676 cd at nadir (2 W/ft, 48 in fixture, 4000K, 8° x 8°, UCTL), 41,352 cd at nadir (4 W/ft, 48 in fixture, 4000K, 8° x 8°, UCTL)
<b>Illuminance at Distance</b>	Minimum 1 fc at 144 ft (2 W/ft, 48 in fixture, 4000K, 8° x 8°, UCTL), Minimum 1 fc at 203 ft (4 W/ft, 48 in fixture, 4000K, 8° x 8°, UCTL)
<b>Color Consistency</b>	3 SDCM (2 SDCM for 8° x 8°, 10° x 10°, 10° x 30°, 10° x 60°, 10° x 90°, 30° x 10°, 60° x 10°, W and WW optics)
<b>Color Rendering</b>	CRI 80+
<b>Lumen Maintenance</b>	L70 >90,000 hrs

## Physical

<b>Housing Material</b>	Low copper content extruded aluminum
<b>Lens Material</b>	Clear tempered glass
<b>Hardware Material</b>	Stainless steel
<b>End Cap Material</b>	Machined aluminum
<b>Gasket Material</b>	Silicone
<b>Surface Finish</b>	Electrostatically applied polyester powder coat
<b>Weight</b>	1.4 lbs (12 in), 2.9 lbs (24 in), 4.4 lbs (36 in), 6 lbs (48 in)

## Electrical and control

<b>Voltage</b>	48 VDC
<b>Resolution (DMX/RDM)</b>	Per fixture, 8-bit or 16-bit
<b>Control</b>	On/Off control, Universal control (compatible with 0-10V, DALI or DMX/RDM systems)

## Environmental

<b>Storage Temperature</b>	-40 °F to 185 °F (device must reach start-up temperature value before operating)
<b>Start-up Temperature</b>	-13 °F to 122 °F
<b>Operating Temperature</b>	-40 °F to 122 °F
<b>Ingress Protection Rating</b>	IP66
<b>Impact Resistance Rating</b>	IK08 (IK09 for 48 in fixtures)

**Accessories (order separately)**

<b>Cables</b>	Lumenfacade Nano Jumper Cable, Trunk Power Cable, Trunk Data Cable
<b>Control Boxes</b>	Low-Voltage Control Box, Low-Voltage Splitter Box
<b>Optical Accessories</b>	Lumenfacade Nano Radial Louver, Lumenfacade Nano Visor
<b>Control Systems</b>	Lumentone™ 2, Pharos® kit
<b>Diagnostic and Addressing Tools</b>	LumenID

**Optical option installation details**

**HFR - Half-frosted lens**



Top view



Front view

- Always position frosted side toward the wall.
- Applicable for 8° x 8°, 10° x 10° or asymmetric wallwash optics only.

**WW - Asymmetric wallwash**

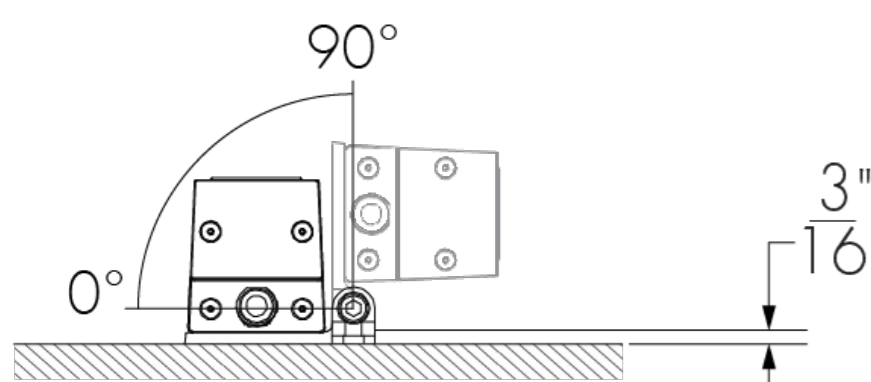
Recommended setback from wall is 1/10 of the wall height.

Example: 2 ft setback for a 20 ft wall.

**Mounting options**

One mounting bracket provided for 12 in fixtures. Two mounting brackets provided for 24 in, 36 in and 48 in fixtures. See installation instructions for details.

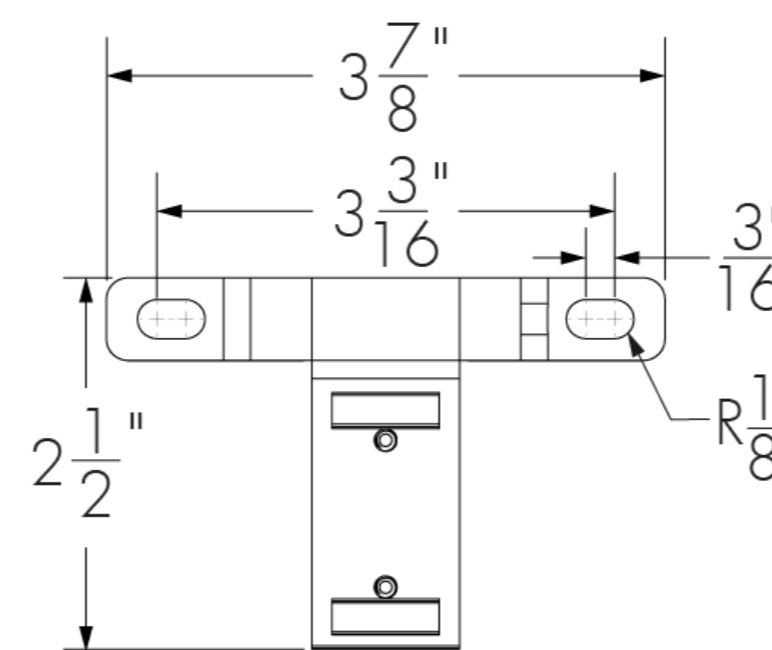
**SAMN - Slim Adjustable Mounting Nano**



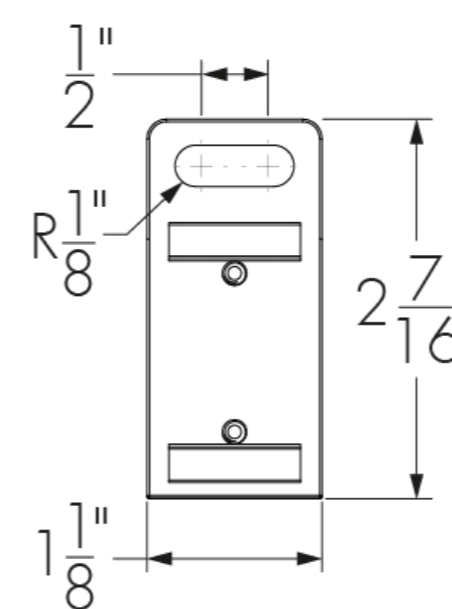
**UMPN - Fixed Mounting Nano**



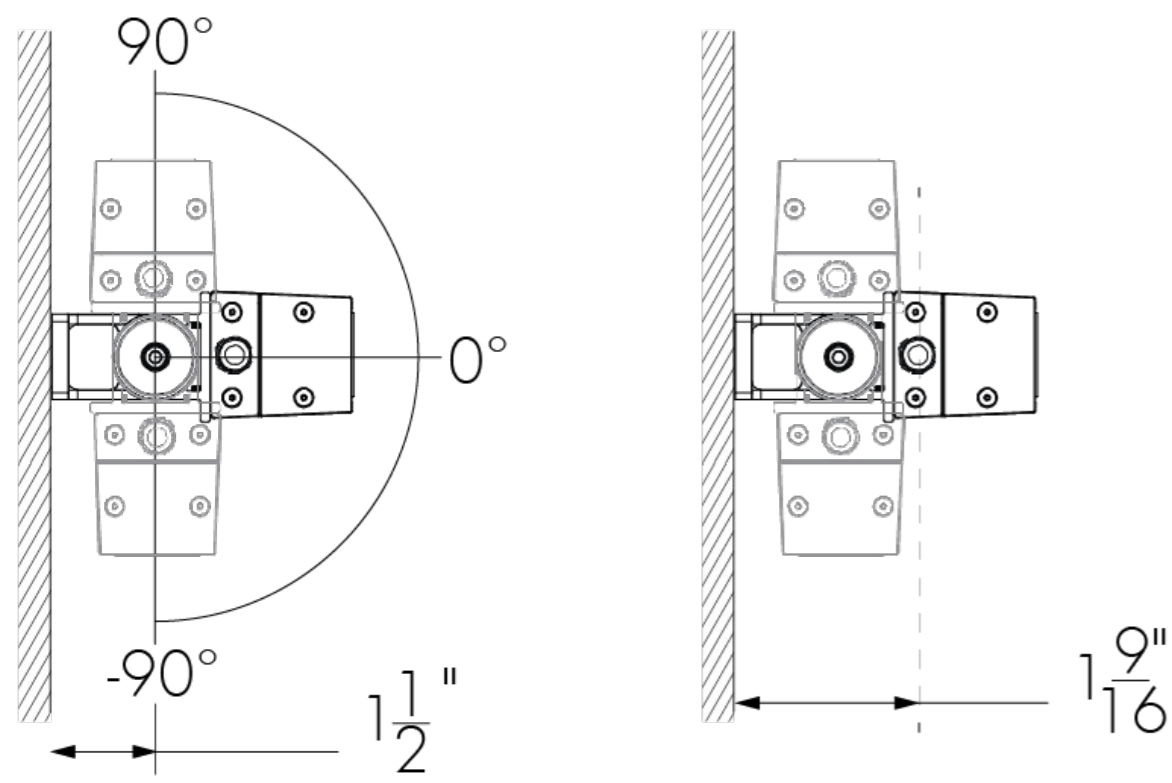
**SAMN - Mounting hole pattern**



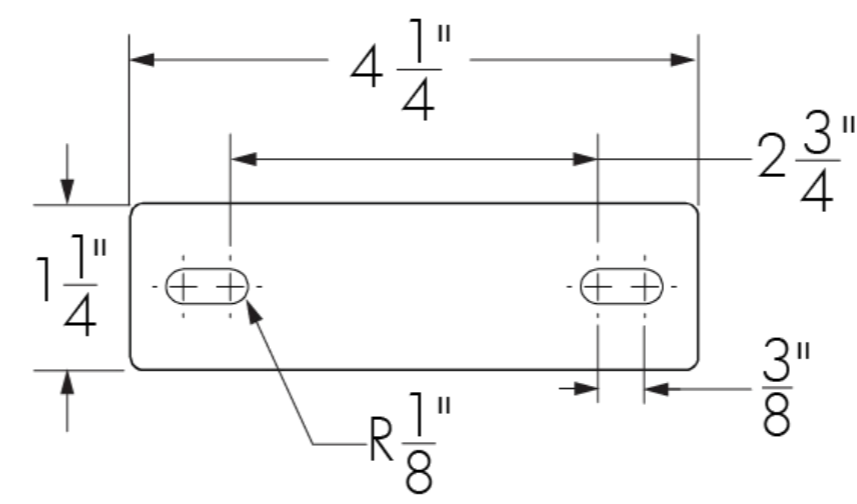
**UMPN - Mounting hole pattern**



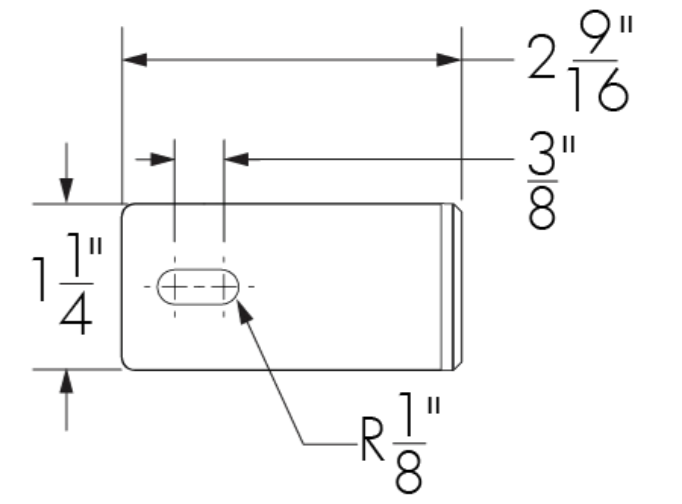
**UMASN - Universal Adjustable Mounting Nano**



**UMASN - Mounting hole pattern**

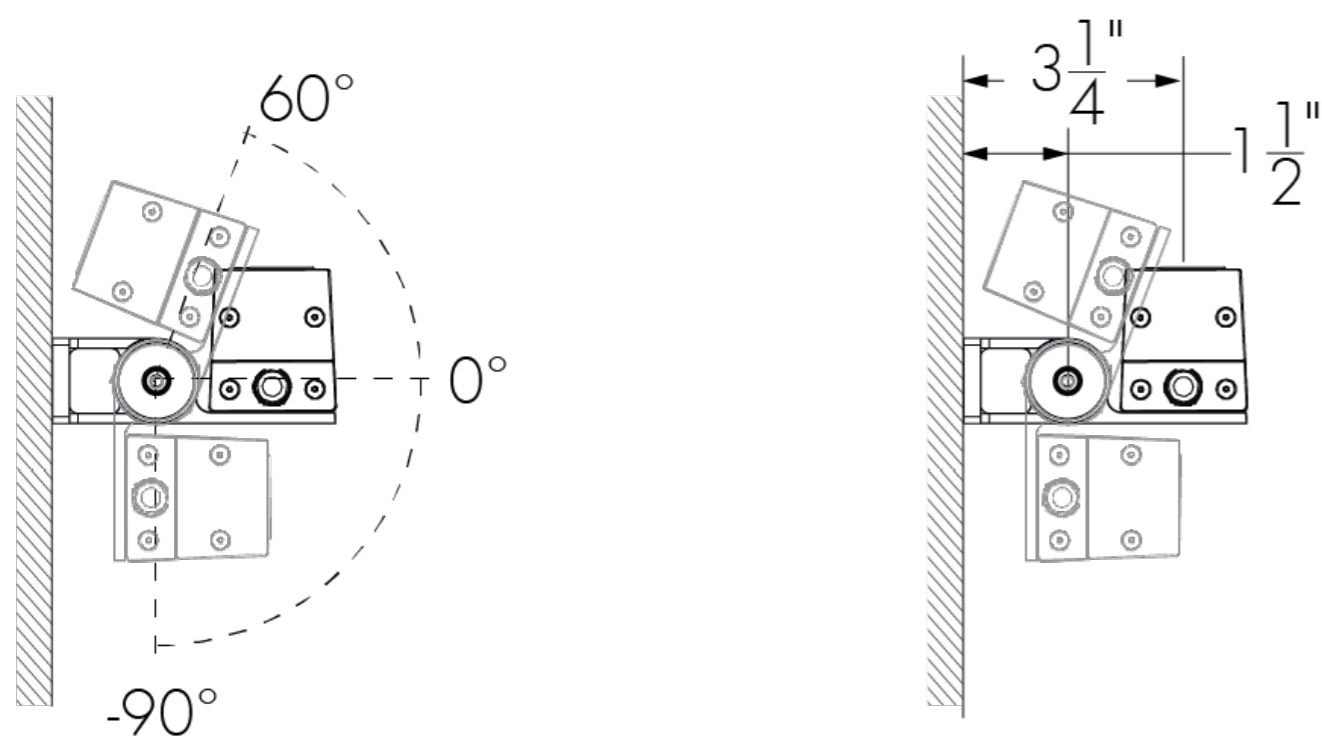


For 1 ft fixtures

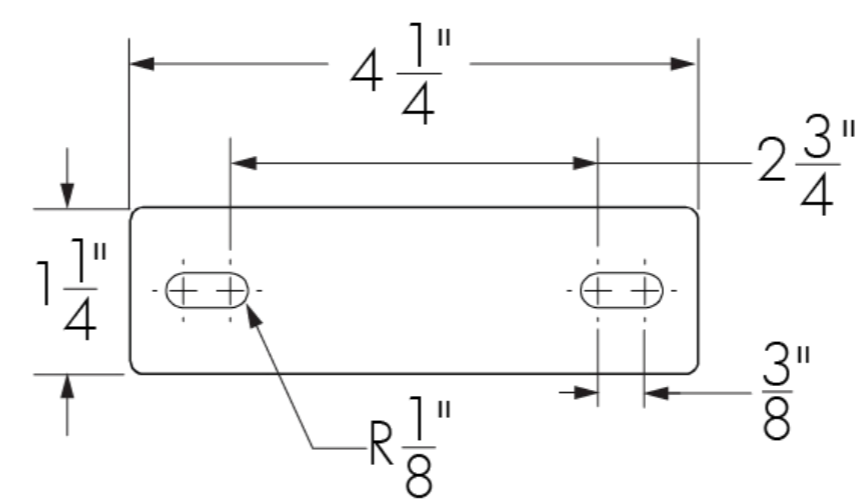


For 2 ft, 3 ft and 4 ft fixtures

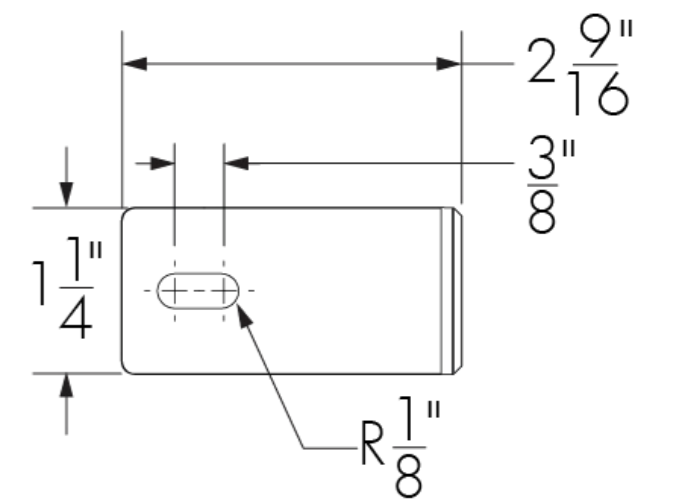
**WAMN2 - Adjustable Extended Arm Mounting Nano 2 in**



**WAMN2 - Mounting hole pattern**

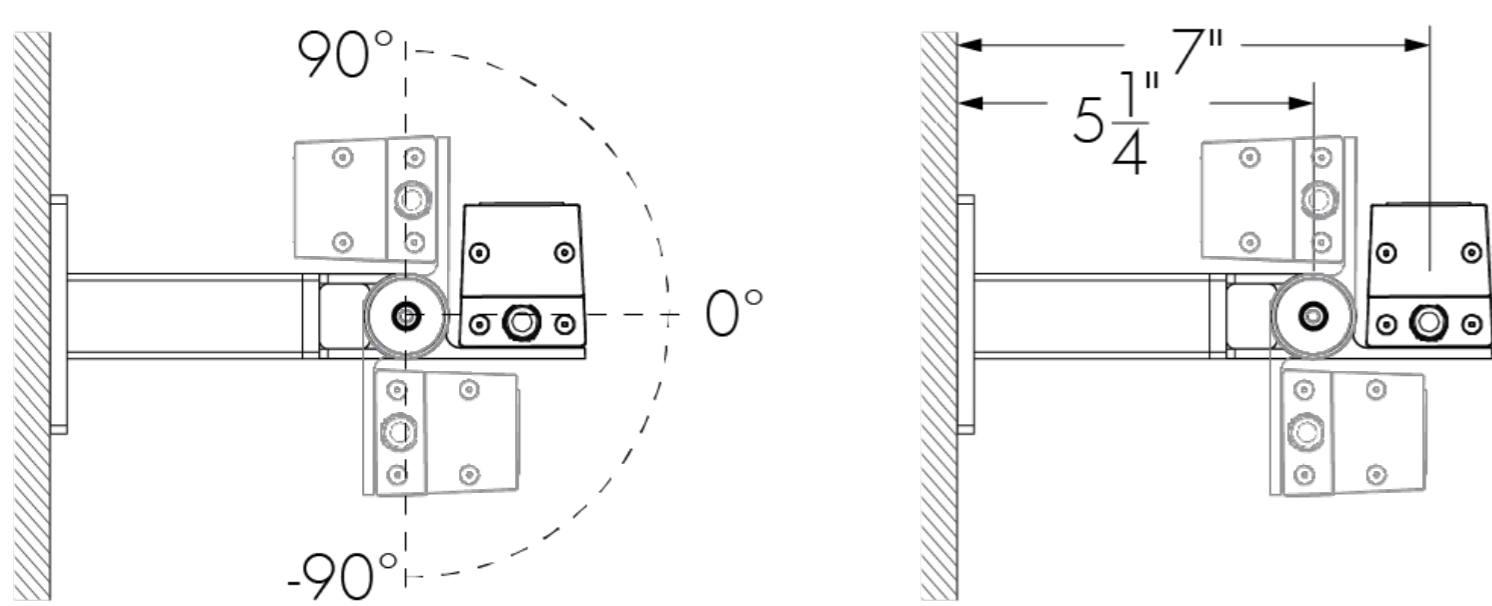


For 1 ft fixtures

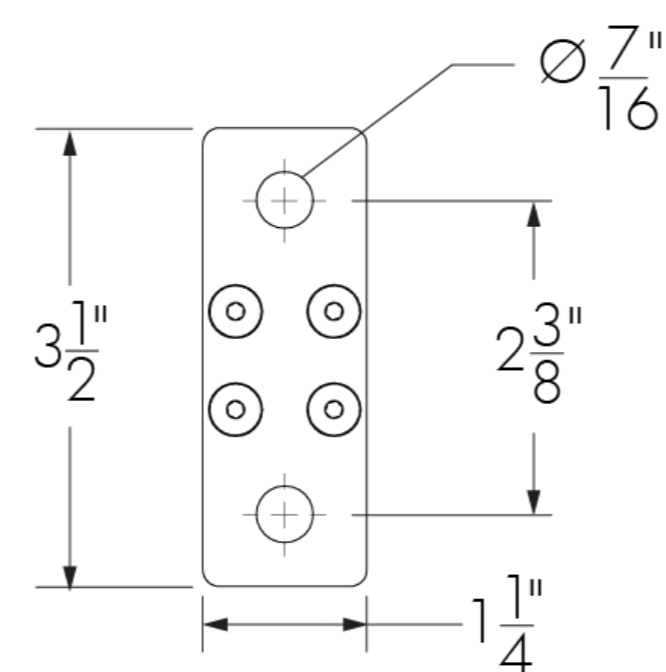


For 2 ft, 3 ft and 4 ft fixtures

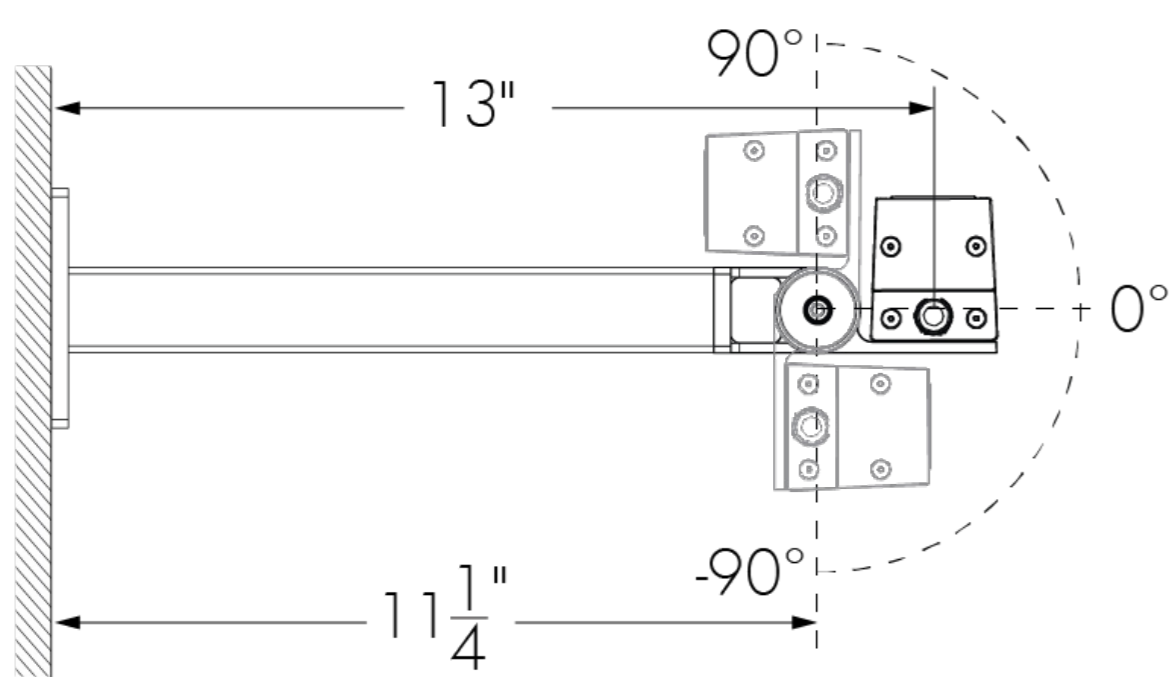
**WAMN6 - Adjustable Extended Arm Mounting Nano 6 in**



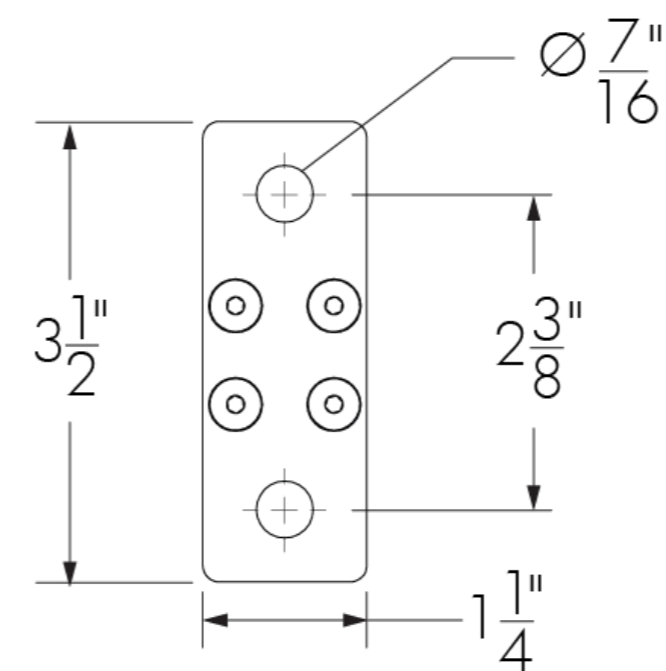
**WAMN6 - Mounting hole pattern**



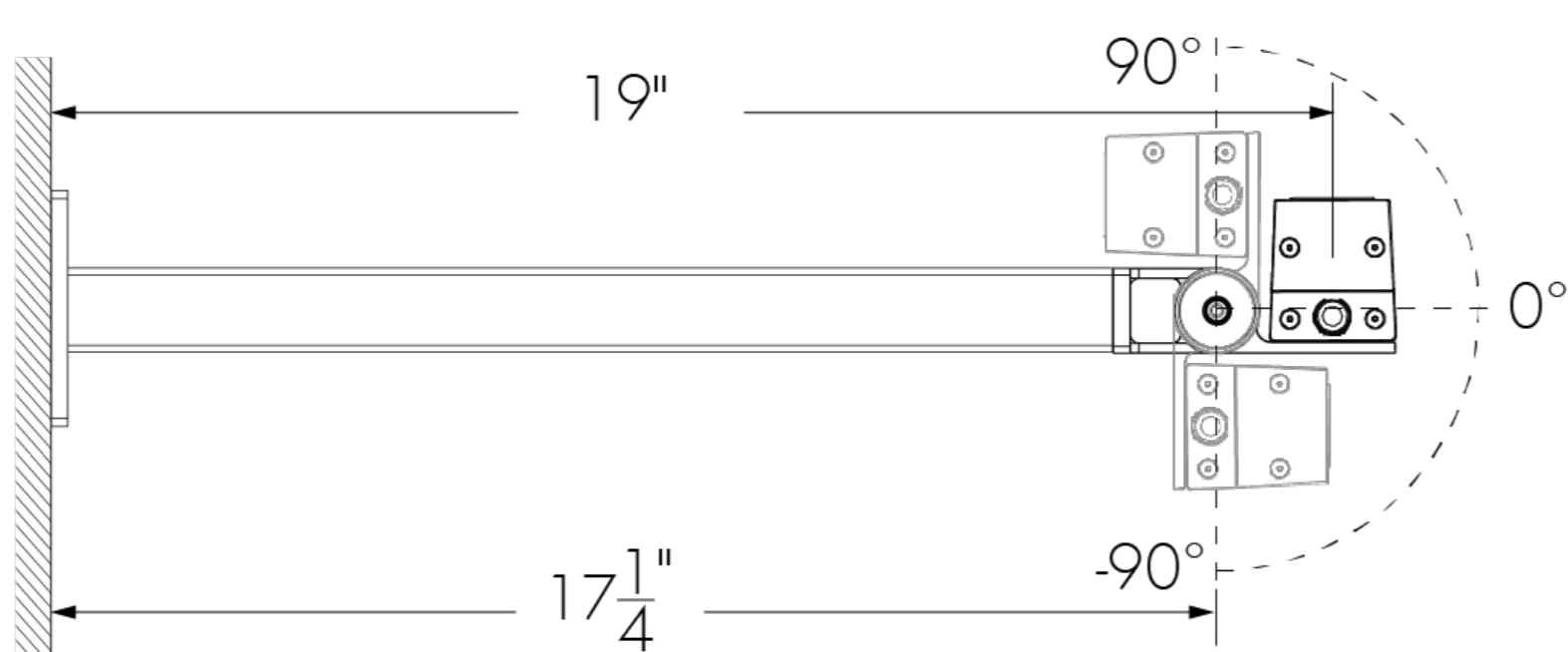
**WAMN12 - Adjustable Extended Arm Mounting Nano 12 in**



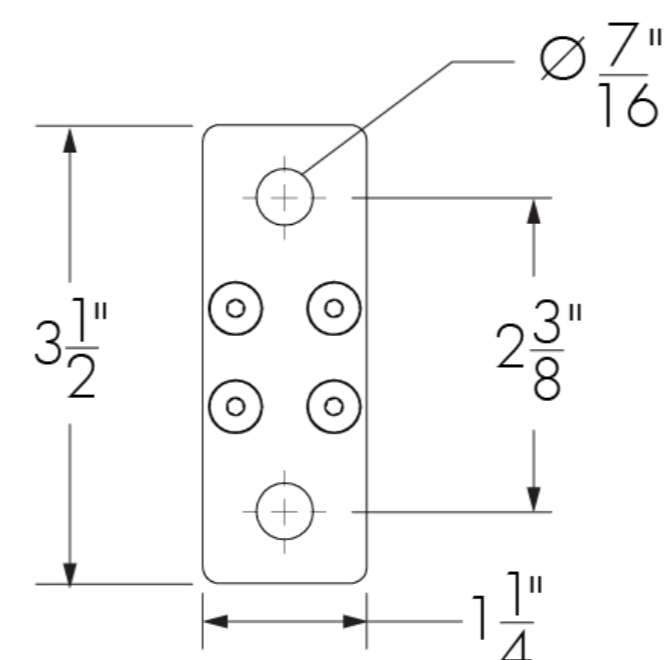
**WAMN12 - Mounting hole pattern**



**WAMN18 - Adjustable Extended Arm Mounting Nano 18 in**

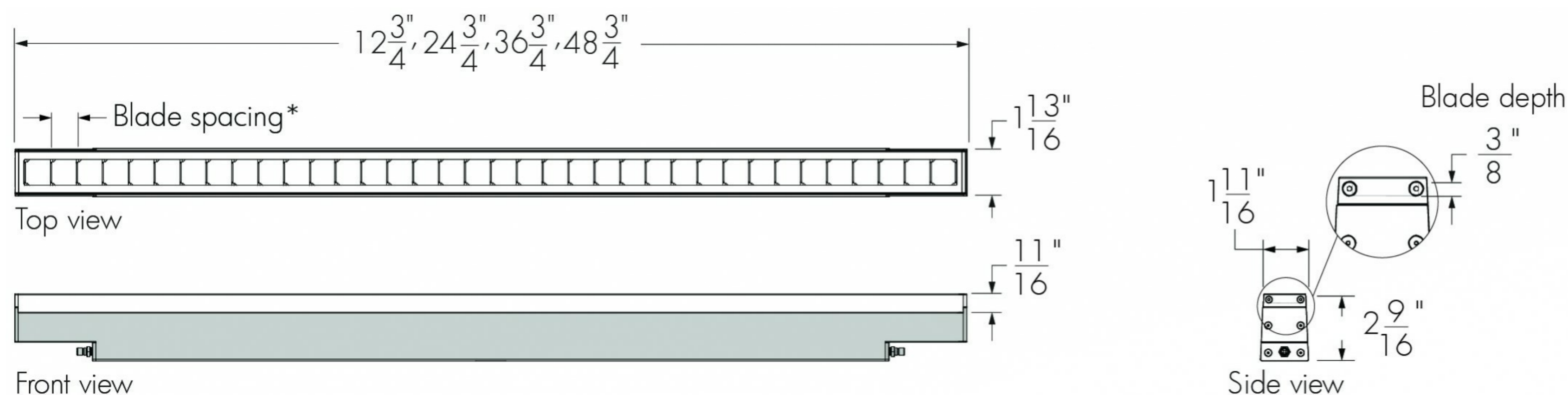


**WAMN18 - Mounting hole pattern**



**Optical accessories (order separately)**

**LOGNRD - Radial louver for Lumenfacade Nano**



\* 15/16 in blade spacing for 8° x 8°, 10° x 10°, 10° x 30°, 10° x 60°, 10° x 90°, 30° x 10° and 60° x 10° optics.

\* 1 15/16 in blade spacing for 30° x 30°, 30° x 60°, 30° x 90°, 60° x 60°, 60° x 90° and 90° x 90° optics.

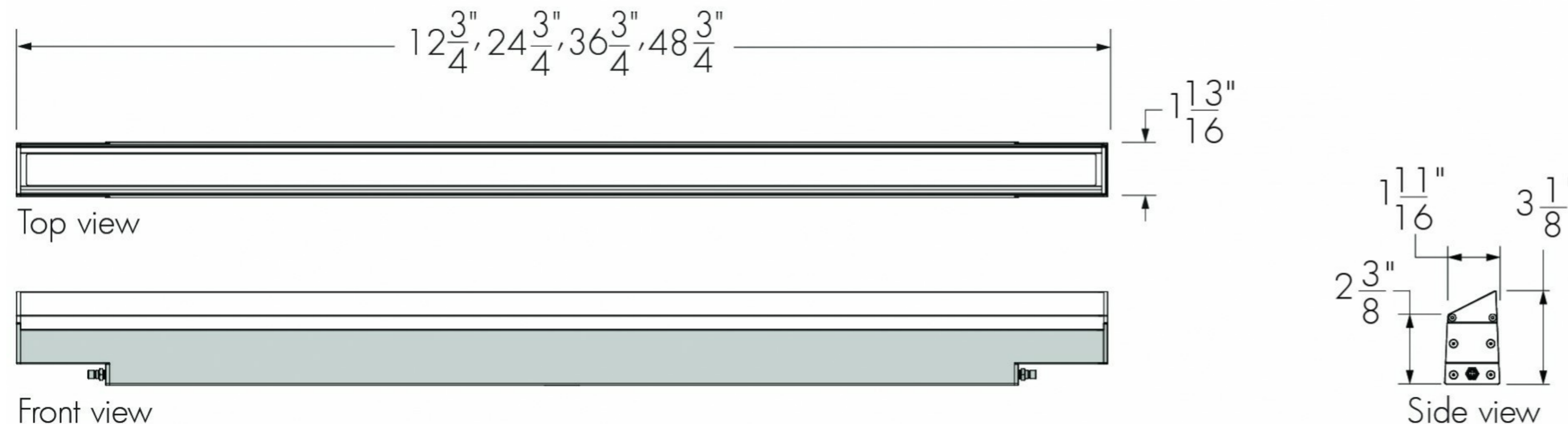
**LOGNRD-LENGTH-FINISH-OPTIONS**

Please specify:

**LENGTH:** 12 in, 24 in, 36 in or 48 in; **FINISH:** BK - Black Sandtex®, BRZ - Bronze Sandtex®, SI - Silver Sandtex®, WH - Smooth white or CC - custom color and finish (please specify RAL color); **OPTIONS:** CRC - Corrosion-resistant coating for hostile environments

- The addition of a louver will affect beam distribution. Consult factory for application support.
- Not suitable for wide 120° and asymmetric wallwash optics.
- Maximum one accessory per fixture. Louvers are field installable.

**LOGNVS - Visor for Lumenfacade Nano**



**LOGNVS-LENGTH-FINISH-OPTIONS**

Please specify:

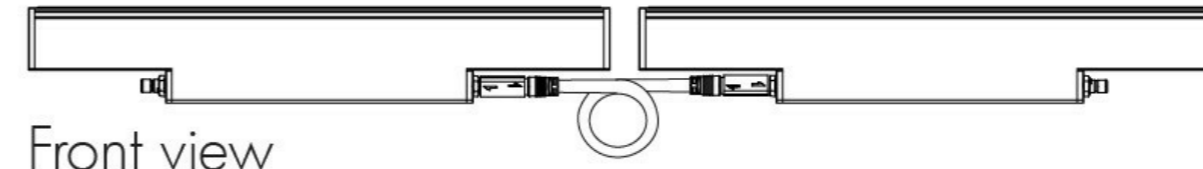
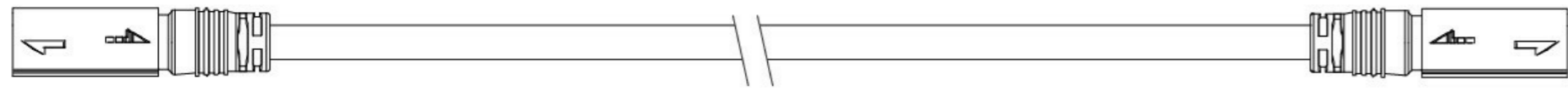
**LENGTH:** 12 in, 24 in, 36 in or 48 in; **FINISH:** BK - Black Sandtex®, BRZ - Bronze Sandtex®, SI - Silver Sandtex®, WH - Smooth white or CC - custom color and finish (please specify RAL color); **OPTIONS:** CRC - Corrosion-resistant coating for hostile environments

- The addition of a visor will affect beam distribution. Consult factory for application support.
- Not suitable for wide 120° optic.
- Maximum one accessory per fixture. Visors are field installable.



**Cables (order separately)**

**LOGNJC - Jumper cable for Lumenfacade Nano**



Front view

For minimal spacing between fixtures, use a 1 ft jumper cable.

**LOGNJC-CERTIFICATION-LENGTH-CABLE COLOR-OPTION**

Please specify:

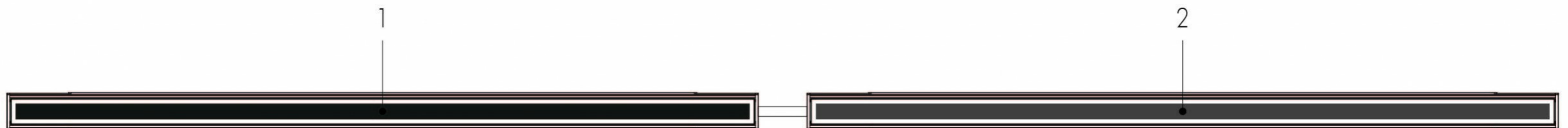
**CERTIFICATION:** UL or CE; **LENGTH:** 1 ft to 30 ft (available in 1 ft increments) or 50 ft; **CABLE COLOR:** black or white (connectors are the same color as the specified cable color); **OPTION:** Master (To identify the jumper cable connecting the LCBX or LSBX to the first Lumenfacade Nano fixture, specify the Master option when ordering master jumper cables. The Master option does not need to be specified for jumper cables connecting Lumenfacade Nano fixtures together.)

- Suitable for dimming/data and non-dimming applications.
- Consult Lumenfacade Nano jumper cable specification sheet for details.

**Resolution details**

**DMX/RDM control, resolution per fixture: each fixture is addressed independently**

**DMX addresses:**



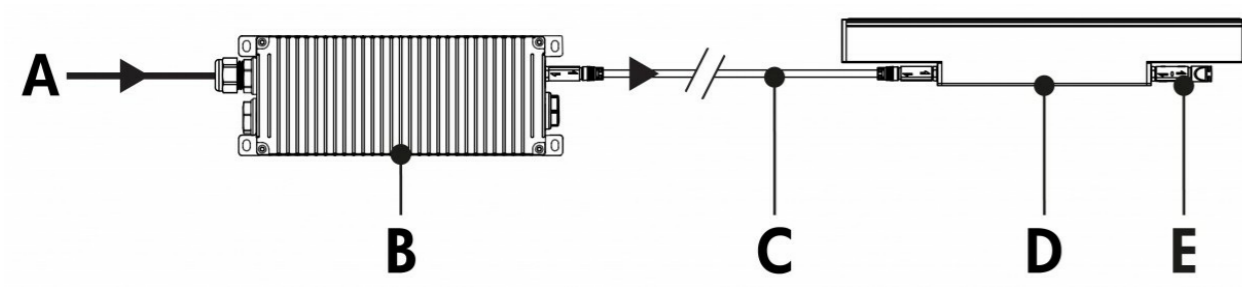
UCTL control option

- 48 in fixtures shown.
- Applicable for UCTL control only. A DMX/RDM enabled LCBX or LSBX is required for DMX/RDM control

**Typical wiring diagrams**

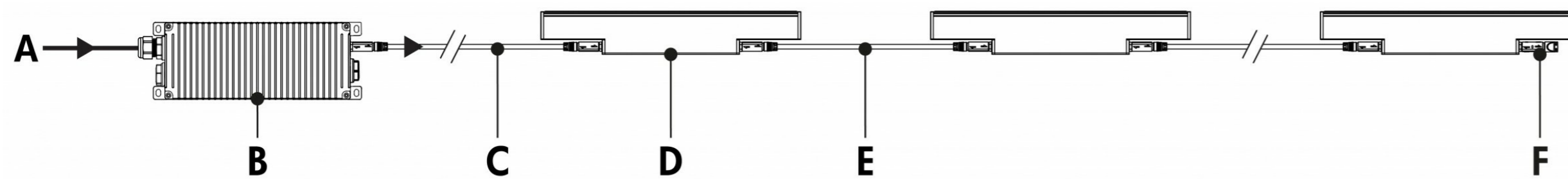
**On/Off control (NO)**

**Single unit - LCBX 60W**



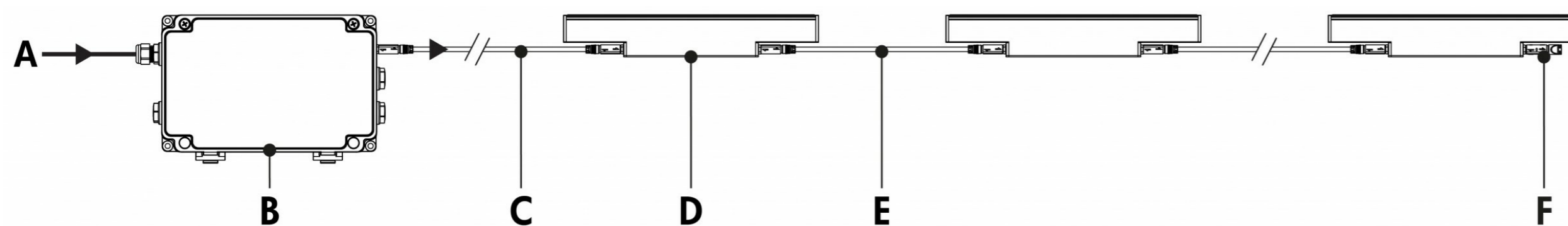
- A** - Power input (120-277V, wiring by others)
- B** - LCBX (60W)
- C** - Master jumper cable (LOGNJC)
- D** - Lumenfacade Nano
- E** - Terminator cap

**Continuous run - LCBX 60W or 120W**



- A** - Power input (120-277V, wiring by others)
- B** - LCBX (60W or 120W)
- C** - Master jumper cable (LOGNJC)
- D** - Lumenfacade Nano
- E** - Jumper cable (LOGNJC)
- F** - Terminator cap

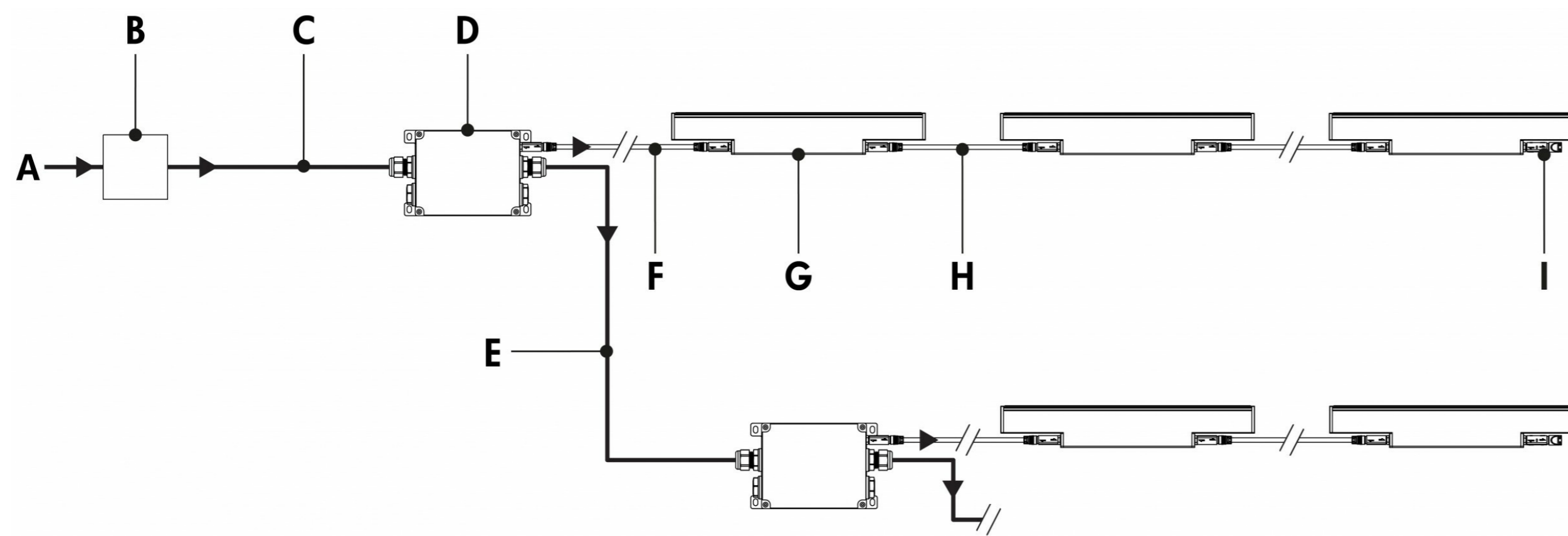
**Continuous run - LCBX 200W**



- A** - Power input (120-277V, wiring by others)
- B** - LCBX (200W)
- C** - Master jumper cable (LOGNJC)
- D** - Lumenfacade Nano
- E** - Jumper cable (LOGNJC)
- F** - Terminator cap

- Consult factory for specific applications and maximum fixture count/run length recommendations.
- For installations of 600W or more, consult factory to select the optimal system: either a daisy chain continuous run system with LCBXs or a trunk system with LSBXs.
- Maximum of 1 output to fixture, or fixture run, per LCBX.
- Consult the LCBX specification sheet for more information.
- 2W version: 2 W/ft; 4W version: 4 W/ft.

Trunk system - LSBX

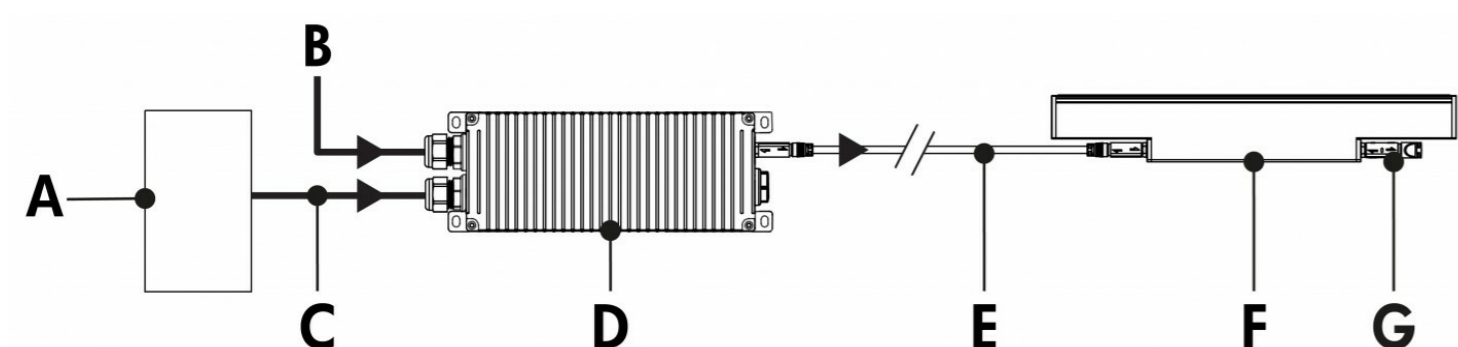


- A** - Power input (120-277V, wiring by others)
- B** - Power supply (48V, by others)
- C** - Power input (48V, order separately from Lumenpulse - Trunk Power Cable (TKPWR), or equivalent by others)
- D** - LSBX
- E** - Power output to next LSBX (48V, order separately from Lumenpulse - Trunk Power Cable (TKPWR), or equivalent by others)
- F** - Master jumper cable (LOGNJC)
- G** - Lumenfacade Nano
- H** - Jumper cable (LOGNJC)
- I** - Terminator cap

- Consult factory for specific applications and maximum fixture count/run length recommendations.
- For installations of 600W or more, consult factory to select the optimal system: either a daisy chain continuous run system with LCBXs or a trunk system with LSBXs.
- Maximum of 1 output to fixture run per LSBX.
- Consult the LSBX specification sheet for more information.
- Consult factory for power supply recommendations.
- 2W version: 2 W/ft; 4W version: 4 W/ft.

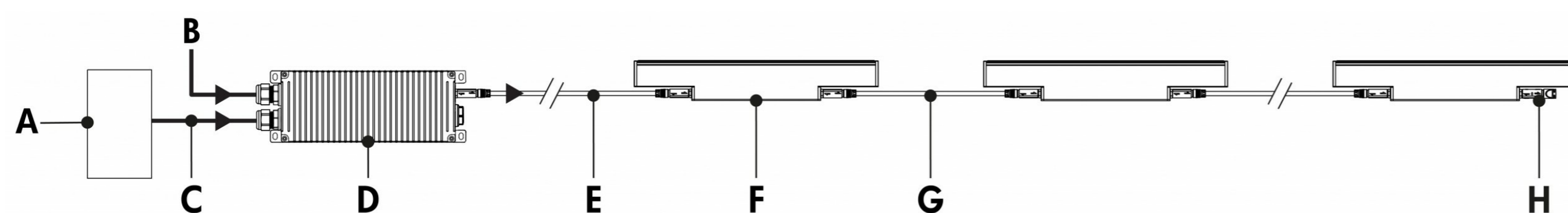
UCTL - Universal control

Single unit - LCBX 60W



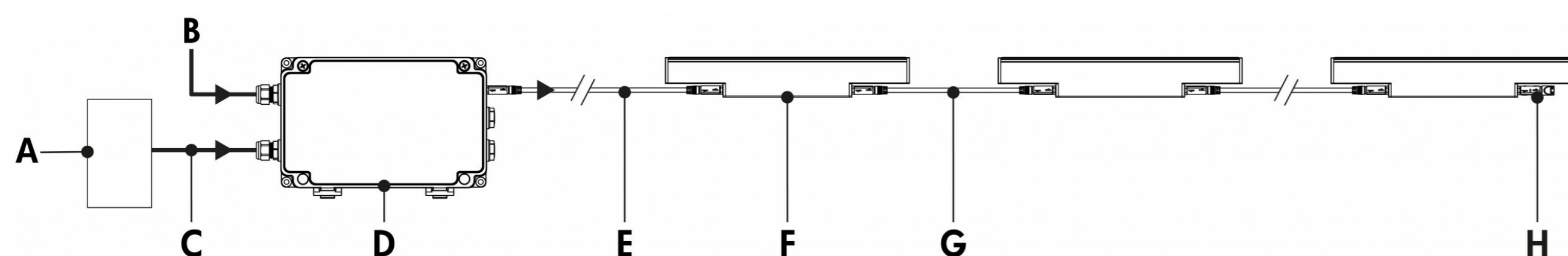
- A** - Dimmer/controller (order separately from Lumenpulse, or by others)
- B** - Power input (120-277V, wiring by others)
- C** - Data input (wiring by others)
- D** - LCBX (60W)
- E** - Master jumper cable (LOGNJC)
- F** - Lumenfacade Nano
- G** - Terminator cap

Continuous run - LCBX 60W or 120W



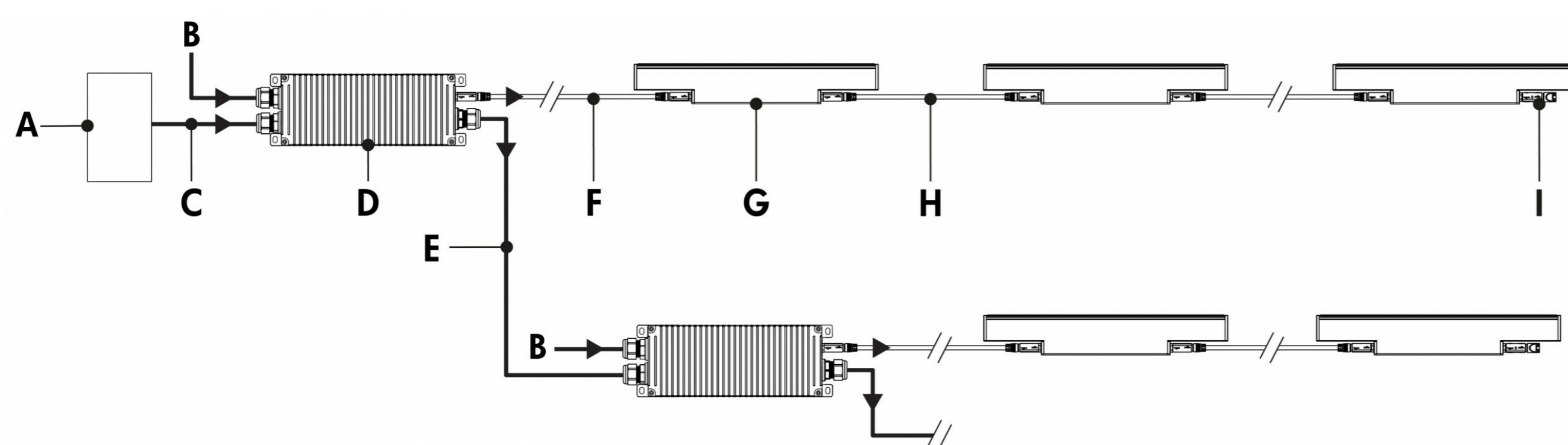
- A** - Dimmer/controller (order separately from Lumenpulse, or by others)
- B** - Power input (120-277V, wiring by others)
- C** - Data input (wiring by others)
- D** - LCBX (60W or 120W)
- E** - Master jumper cable (LOGNJC)
- F** - Lumenfacade Nano
- G** - Jumper cable (LOGNJC)
- H** - Terminator cap

Continuous run - LCBX 200W



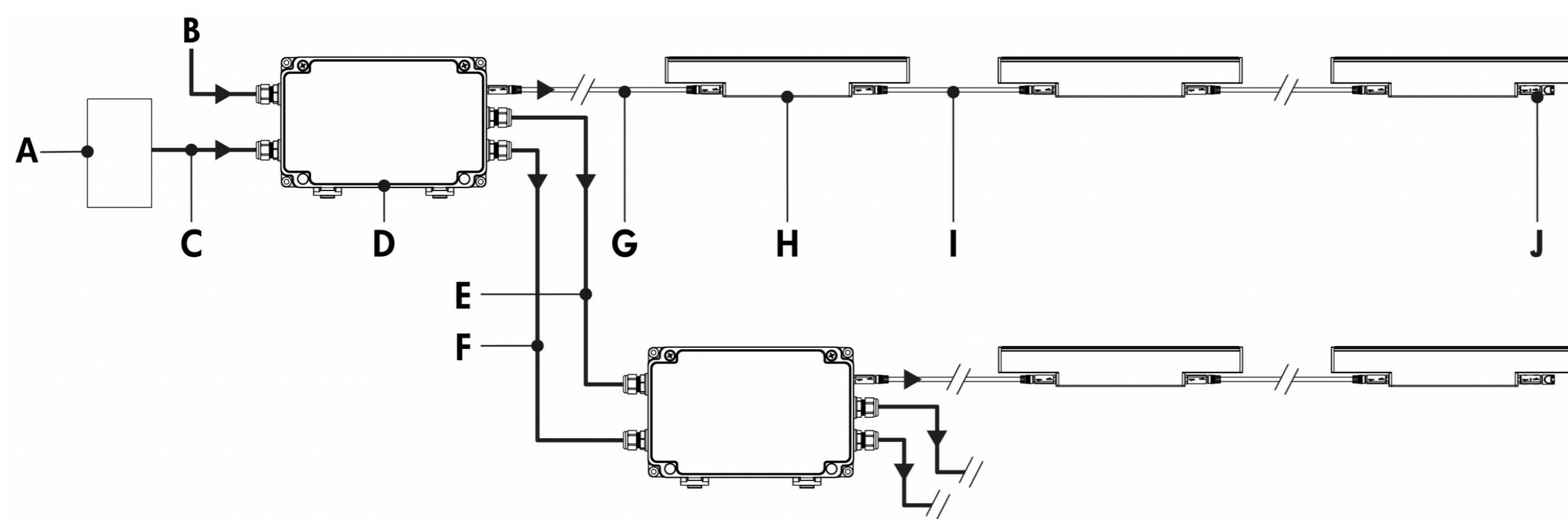
- A** - Dimmer/controller (order separately from Lumenpulse, or by others)
- B** - Power input (120-277V, wiring by others)
- C** - Data input (wiring by others)
- D** - LCBX (200W)
- E** - Master jumper cable (LOGNJC)
- F** - Lumenfacade Nano
- G** - Jumper cable (LOGNJC)
- H** - Terminator cap

Continuous run - Daisy chain  
LCBX 60W or 120W



- A** - Dimmer/controller (order separately from Lumenpulse, or by others)
- B** - Power input (120-277V, wiring by others)
- C** - Data input (wiring by others)
- D** - LCBX (60W or 120W)
- E** - Data output to next LCBX (wiring by others)
- F** - Master jumper cable (LOGNJC)
- G** - Lumenfacade Nano
- H** - Jumper cable (LOGNJC)
- I** - Terminator cap

**Continuous run - Daisy chain  
LCBX 200W**

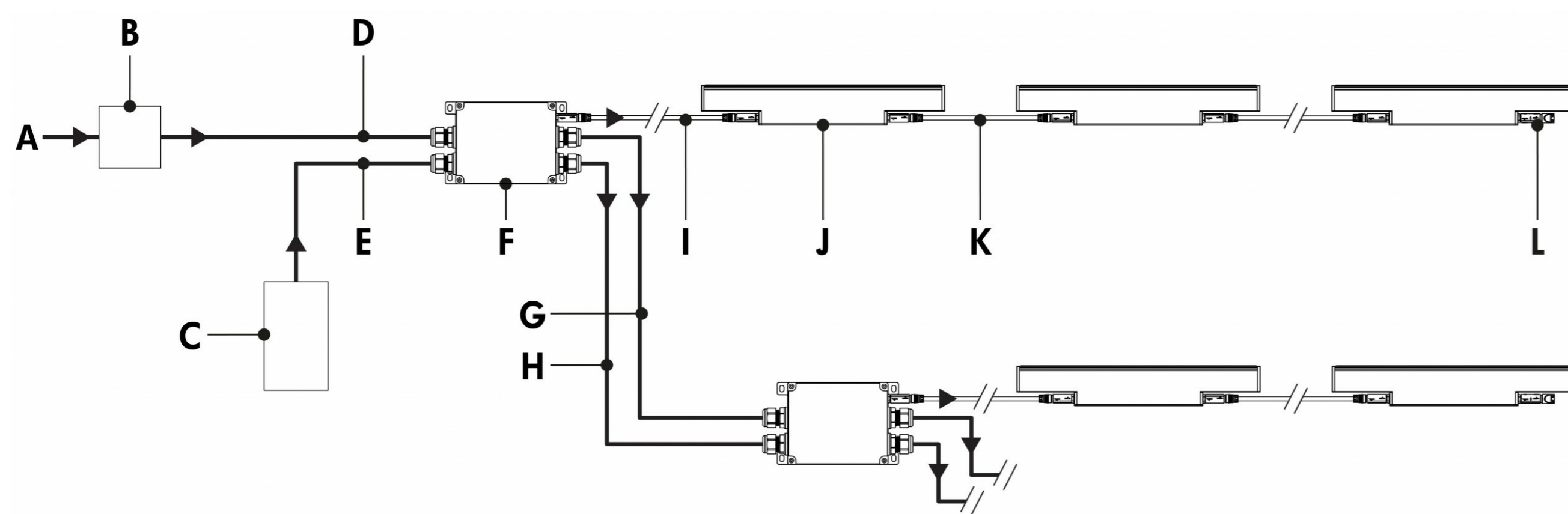


- A** - Dimmer/controller (order separately from Lumenpulse, or by others)
- B** - Power input (120-277V, wiring by others)
- C** - Data input (wiring by others)
- D** - LCBX (200W)
- E** - Power output to next LCBX (120-277V, wiring by others)
- F** - Data output to next LCBX (wiring by others)
- G** - Master jumper cable (LOGNJC)
- H** - Lumenfacade Nano
- I** - Jumper cable (LOGNJC)
- J** - Terminator cap

Maximum run length per LCBX (Based on a 50 ft master jumper cable)		
Configuration	2 W/ft	4 W/ft
<b>LCBX 60W</b>	28 ft	12 ft
<b>LCBX 120W</b>	52 ft	24 ft
<b>LCBX 200W</b>	76 ft	40 ft

- Consult factory for specific applications and maximum fixture count/run length recommendations.
- For installations of 600W or more, consult factory to select the optimal system: either a daisy chain continuous run system with LCBXs or a trunk system with LSBXs.
- Maximum of 1 output to fixture, or fixture run, per LCBX.
- Consult the LCBX specification sheet for more information.
- UCTL can be controlled via a 0-10V dimmer, DALI controller or DMX/RDM controller.
- For 0-10V dimming applications:
  - 0-10V mA ratings: Current Sink Mode: 25µA per LCBX; Current Source Mode: 2.5mA per LCBX.
- For DALI applications:
  - A maximum of 64 DALI fixtures per DALI loop.
- For DMX/RDM applications:
  - Each fixture requires 1 DMX channel.
  - A maximum of 128 UCTL devices on the output port of the LCBX.
- 1% minimum dimming value.
- 2W version: 2 W/ft; 4W version: 4 W/ft.

## Trunk system - LSBX



- A** - Power input (120-277V, wiring by others)
- B** - Power supply (48V, by others)
- C** - Controller (order separately from Lumenpulse, or by others)
- D** - Power input (48V, order separately from Lumenpulse - Trunk Power Cable (TKPWR), or equivalent by others)
- E** - Data input (order separately from Lumenpulse - Trunk Data Cable (TKDMX), or equivalent by others)
- F** - LSBX
- G** - Power output to next LSBX (48V, order separately from Lumenpulse - Trunk Power Cable (TKPWR), or equivalent by others)
- H** - Data output to next LSBX (order separately from Lumenpulse - Trunk Data Cable (TKDMX), or equivalent by others)
- I** - Master jumper cable (LOGNJC)
- J** - Lumenfacade Nano
- K** - Jumper cable (LOGNJC)
- L** - Terminator cap

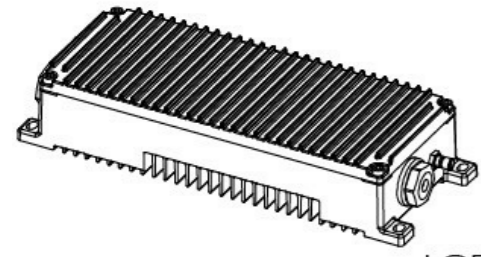
- Consult factory for specific applications and maximum fixture count/run length recommendations.
- For installations of 600W or more, consult factory to select the optimal system: either a daisy chain continuous run system with LCBXs or a trunk system with LSBXs.
- A maximum of 128 UCTL devices on the output port of the LSBX.
- Maximum of 1 output to fixture run per LSBX.
- Consult the LSBX specification sheet for more information.
- Consult factory for power supply recommendations.
- Each fixture requires 1 DMX channel.
- 1% minimum dimming value.
- 2W version: 2 W/ft; 4W version: 4 W/ft.

Accessories (order separately)

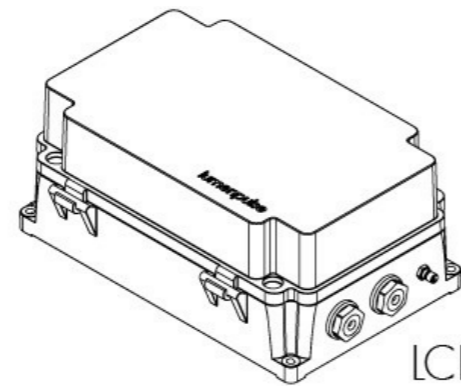
**Control Boxes**

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**LCBX-Low-Voltage Control Box**



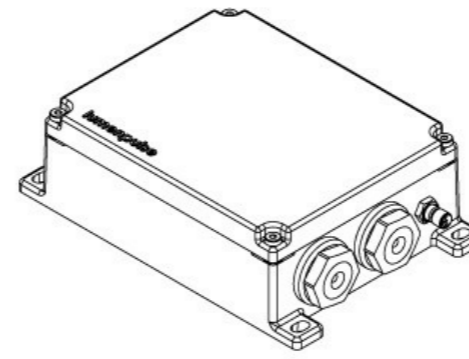
LCBX 60W & 120W



LCBX 200W

Low-voltage control and power box. One power and data output to fixture, or fixture run. Refer to LCBX specification sheet for details.

**LSBX-Low-Voltage Splitter Box**

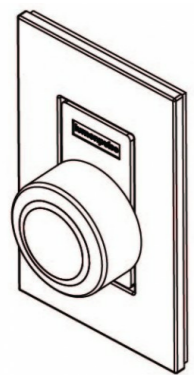


Low-voltage control and power splitter box. One power and data output to fixture run. Refer to LSBX specification sheet for details.

**Control Systems**

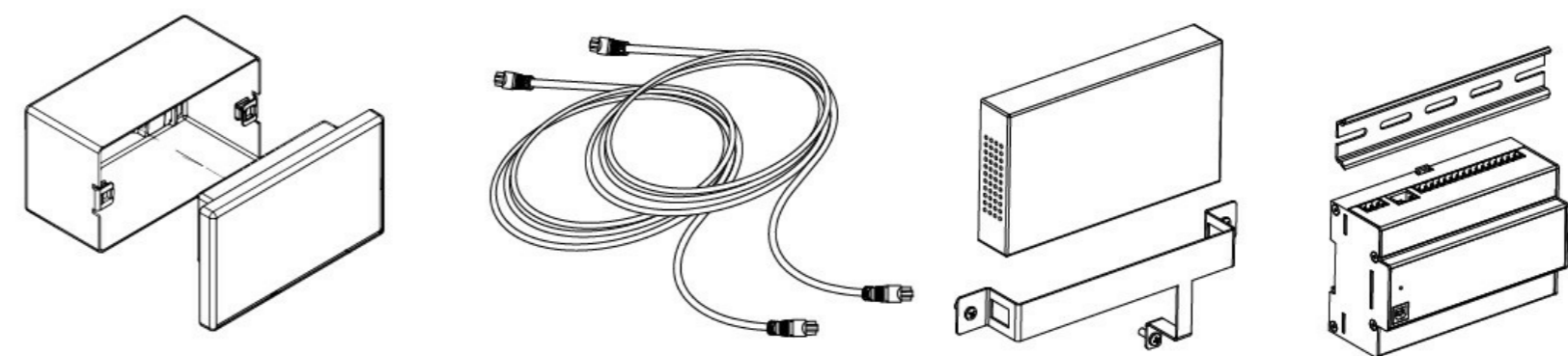
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**LTN2-Lumentone™ 2**



Lumentone 2 is a simple pre-programmed DMX 512 controller with a push button rotary dial and live feedback.

**PHAROS-Pharos® kit**

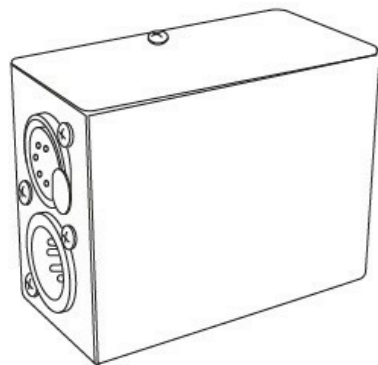


The Pharos kit, available for 1 or 2 DMX universes, allows for complete control of large lighting installations. 2 DMX universes kit shown.

**Diagnostic and Addressing Tools**

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**LID-LumenID**



LumenID is a diagnostic and addressing DMX/RDM tool. It must be specified on all DMX applications. Refer to LID specification sheet for details.

**How to order**

1	2	3	4	5	6	7	8
9	10	11	12				

**1 . Housing**

**LOGN** Lumenfacade™ Nano

**2 . Wattage**

**2W** 2 W/ft <sup>(1)</sup>  
**4W** 4 W/ft

<sup>(1)</sup> Not available for static red, green or blue color options.

**3 . Voltage**

**48V** 48 VDC

**4 . Length**

**12** 12 3/4 in (1.4 lbs)  
**24** 24 3/4 in (2.9 lbs)  
**36** 36 3/4 in (4.4 lbs)  
**48** 48 3/4 in (6 lbs)

**5 . Color and Color Temperature <sup>(1)</sup>**

**22K** 2200K  
**27K** 2700K  
**30K** 3000K  
**35K** 3500K  
**40K** 4000K  
**RD** Red <sup>(2)</sup>  
**GR** Green <sup>(2)</sup>  
**BL** Blue <sup>(2)</sup>

<sup>(1)</sup> Consult factory for availability of static Royal Blue, 6500K and 90+ CRI.

<sup>(2)</sup> Static colors made to order 8-10 weeks.

**6 . Optics**

**8x8** 8° x 8°  
**10x10** 10° x 10°  
**10x30** 10° x 30°  
**10x60** 10° x 60°  
**10x90** 10° x 90°  
**30x10** 30° x 10°  
**30x30** 30° x 30°  
**30x60** 30° x 60°  
**30x90** 30° x 90°  
**60x10** 60° x 10°  
**60x60** 60° x 60°  
**60x90** 60° x 90°  
**90x90** 90° x 90°  
**W** Wide 120°  
**WW** Asymmetric Wallwash

**7 . Lens**

**CL** Clear lens <sup>(1)</sup>  
**FR** Frosted lens <sup>(2)</sup>  
**HFR** Half-frosted lens <sup>(3)</sup>

<sup>(1)</sup> Not available for 8x8, 10x10, W or WW optics.

<sup>(2)</sup> Not available for WW optic.

<sup>(3)</sup> Available for 8x8, 10x10 or WW optics only.

**8 . Mounting Options <sup>(1)</sup>**

**SAMN** Slim Adjustable Mounting Nano  
**UMPN** Fixed Mounting Nano  
**UMASN** Universal Adjustable Mounting Nano  
**WAMN2** Adjustable Wall Mounting Nano 2 in  
**WAMN6** Adjustable Extended Arm Mounting Nano 6 in  
**WAMN12** Adjustable Extended Arm Mounting Nano 12 in  
**WAMN18** Adjustable Extended Arm Mounting Nano 18 in

<sup>(1)</sup> One mounting bracket provided for 12 in fixtures. Two mounting brackets provided for 24 in, 36 in and 48 in fixtures.



**9 . Finish**

<b>BK</b>	Black Sandtex®
<b>BRZ</b>	Bronze Sandtex®
<b>SI</b>	Silver Sandtex®
<b>WH</b>	Smooth white
<b>CC</b>	Custom color and finish (please specify RAL color) <sup>(1)</sup>

<sup>(1)</sup> Lumenpulse offers a wide selection of RAL CLASSIC (K7) colors with a smooth texture and high-gloss finish. Please consult factory for a list of available K7 colors, other RAL textures and glosses, or to match alternate color charts. Final color matching results may vary.

**12 . Certification**

<b>UL</b>	UL compliant
<b>CE</b>	CE compliant

**10 . Control <sup>(1)</sup>**

<b>NO</b>	On/Off control
<b>UCTL</b>	Universal control (compatible with 0-10V, DALI or DMX/RDM systems)

<sup>(1)</sup> A Low-Voltage Control Box (LCBX) or Low-Voltage Splitter Box (LSBX) and LumenID (LID) must be specified.

**11 . Options**

<b>CRC</b>	Corrosion-resistant coating for hostile environments <sup>(1)</sup>
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<sup>(1)</sup> Use only when exposed to salt spray and harsh chemicals. This option is not required for normal outdoor exposure.

# Floodlight Series (Small)

The OLFLS Series Floodlight is a stylish aerodynamic luminaire designed to complement the Optec LED Lighting family of architectural outdoor products. Excellent optical performance in multiple distributions is achieved via a COB LED array and a precision-engineered reflector. LED life is assured through efficient thermal coupling and dissipation via its durable, pressure die-cast, low-copper alloy, aluminum housing. Engineered to last, all gaskets are anti-UV, anti-aging with no harmful out-gassing. The OLFLS floodlight comes standard with a 1/2" NPT adjustable knuckle mount, 0-10V dimming and 10kV surge suppression. Alternate mounting selections include trunnion bracket and tenon adapter. Each luminaire is also available with a number of options including multiple color temperatures and finishes, photocell, occupancy sensor, wireguard, and polycarbonate lens. All standard finishes are electrostatically applied and are available with an optional anodized base finish for use in natatorium or marine environments. The OLFLS floodlight is backed by Optec LED Lighting's 10-year warranty.



## FEATURES

- Color Temperatures: 3000K, 3500K, 4000K and 5000K
- CRI: 70
- Lumen Maintenance: L70=50,000 at 25 °C
- Operating Temperature Range: -40 °C to 40 °C
- Durable All Aluminum Pressure Die Cast Housing
- Long Life Durable Powder Coat Finish (Custom colors are available upon request.)
- IP65 Rated (wet listed)
- Mounting: 1/2" NPT adjustable knuckle standard. Optional trunnion or tenon adapter available.

## ELECTRICAL SPECIFICATIONS

- Two Universal Voltage Driver Options: 120-277V and 347-480V
- Power Factor > 0.90
- THD < 0.85
- Control Options: 0-10V Dimming Standard (Photocell Optional)

## TESTS & CERTIFICATIONS

- ETL (to UL1598 standards)
- RoHS Compliant
- Design Lights Consortium (Premium)



CITIZEN®



## WARRANTY

- 10-Year Warranty (Parts or Replacement)

## PERFORMANCE SPECIFICATIONS

Distribution	Model / Wattage	Lumens				Max Candela			
		3000K	3500K	4000K	5000K	3000K	3500K	4000K	5000K
3 x 3	OLFLS-020	1,725	1,801	1,868	1,896	7,273	7,593	7,872	7,992
	OLFLS-030	2,589	2,703	2,802	2,092	10,913	11,393	11,813	11,992
5 x 5	OLFLS-020	2,240	2,338	2,425	2,461	3,404	3,553	3,685	3,740
	OLFLS-030	3,343	3,490	3,619	3,674	5,080	5,304	5,500	5,583
7 x 6	OLFLS-020	2,419	2,526	2,629	2,659	1,225	1,279	1,371	1,346
	OLFLS-030	3,423	3,574	3,691	3,762	1,755	1,832	1,966	1,929

Voltage (V)	Current (A)	
	20W	30W
120	0.17	0.25
208	0.10	0.14
240	0.08	0.13
277	0.07	0.11
347	0.06	0.09
480	0.04	0.06



# Floodlight Series (Small)

## ORDERING INFORMATION

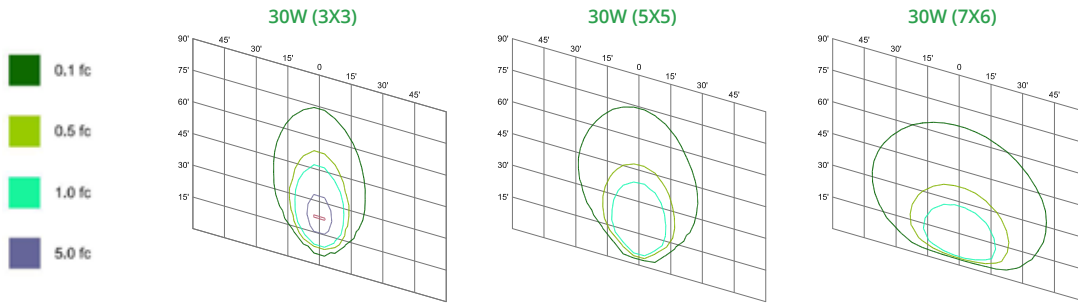
**EXAMPLE:** OLFLS-020-UNVL-50-3X3-TR-BP-UV

SERIES	WATTAGE	VOLTAGE	COLOR TEMP	DISTRIBUTION	MOUNT	FINISH	CONTROL / OPTIONS
OLFLS = Optec LED Floodlight Small	020 = 20W 030 = 30W	UNVL = 120-277V UNVH = 347-480V	30 = 3000K 35 = 3500K 40 = 4000K 50 = 5000K	3 X 3 = Spot 5 X 5 = Flood 7 X 6 = Horizontal Flood	AK = Adjustable Knuckle <sup>1</sup> TR = Trunnion TA = Tenon Adapter <sup>2</sup>	BZ = Dark Bronze WH = White NA = Natural Aluminum BL = Black CC = Custom Color	BP = Button Photocell <sup>3</sup> UV = Upper Visor <sup>4</sup> LV = Lower Visor <sup>4</sup> PL = Polycarbonate Lens WG = Wireguard

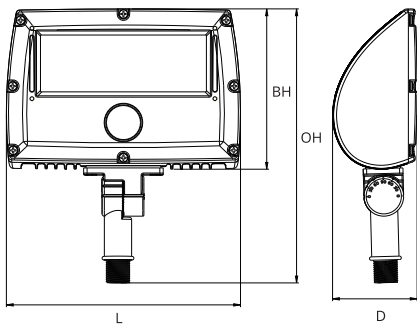
<sup>1</sup> AK = 1/2" NPT Adjustable Knuckle  
<sup>2</sup> Fits 2 3/8" Tenon. Fixture attaches via 1/2" Adjustable Knuckle.  
<sup>3</sup> Photocell Default = Fail in "ON" Mode (unless otherwise specified).  
<sup>4</sup> Upper Visor and Lower Visor can be specified together.

## PHOTOMETRIC PERFORMANCE

Isofootcandle plots = OLFLS 30W model in 5000K CCT @ 15' setback. Distances are in units of mounting height.

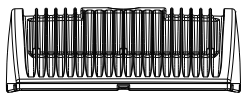


## DIMENSIONS, WEIGHTS & MOUNTING

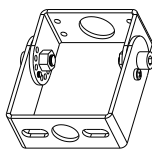


Wattage	20W	30W
L = Length (inches / mm)	8.11 / 206.0	8.11 / 206.0
D = Depth (inches / mm)	2.93 / 74.4	2.93 / 74.4
BH = Body Height (inches / mm)	5.56 / 141.1	5.56 / 141.1
OH = Overall Height (inches / mm)	9.49 / 241.1	9.49 / 241.1
Weight (lbs / kg)	5.51 / 2.5	5.73 / 2.6

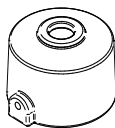
Effective Projected Area (EPA) in ft <sup>2</sup>	
Configuration	■
Wattage	
20	0.870
30	0.870



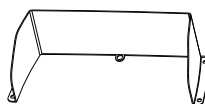
1/2" NPT Threaded Adjustable Knuckle



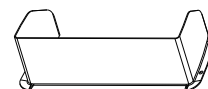
Trunnion



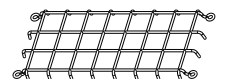
Tenon adapter



Upper Visor



Lower Visor



Wireguard