



690 Chesterfield Pkwy W • Chesterfield MO 63017-0760
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Architectural Review Board Staff Report

Project Type: Architectural Specialty Lighting Package

Meeting Date: May 13, 2021

From: Natalie Nye, Planner

Location: North of Chesterfield Airport Rd. and east of Spirit of St. Louis Blvd.

Description: **Spirit of St. Louis Corporate Center (Gateway Studios) Lighting Package:** Architectural Specialty Lighting Package for a 30.8-acre tract of land zoned “PC” Planned Commercial District located on the north side of Chesterfield Airport Road and east of Spirit of St. Louis Boulevard (17V420168, 17V410103, 17V430046, 17V440111).

PROPOSAL SUMMARY

This is a request for an Architectural Specialty Lighting Package for the Gateway Studios development located in the Spirit of St. Louis Corporate Center subdivision. Specifically, this lighting package is seeking approval for lighting on the Main Building and Studio 2 located on Lot 1 of the Gateway Studios development. While the proposed hotel on Lot 2 is not requesting any specialty lighting, the lighting package covers the entire development. If approved, other buildings within Gateway Studios would need to amend this package to request any additional specialty architectural lighting.



Figure 1: Aerial

HISTORY OF SUBJECT SITE

The subject property was originally zoned “M3” Planned Industrial District by St. Louis County. On March 19, 2007 Ordinance 2342 was approved which rezoned the property to “PC” Planned Commercial District. Permitted uses as a result of the rezoning include but are not limited to; studios, offices, and hotels. Following the approval of the Ordinance a Lot Split and Boundary Adjustment Plat were approved in May of 2007. This created the current boundaries of the site.

In 2021 applications for a Boundary Adjustment Plat, Amended Site Development Concept Plan, and Site Development Section Plans for Lots 1 and 2, and an Architectural Specialty Lighting Plan were submitted for the development known as Gateway Studios, a campus containing recording and film studios, office space and a hotel. The site is currently vacant awaiting development.



Figure 2: Proposed Site Plan

REQUEST OVERVIEW

The Site Development Section Plans for Lot 1 and Lot 2 of the development are currently in the review process. Lot 1 includes a 293,000 square foot multi-story building and attached two-story, 36,500 square foot studio building. Lot 2 consists of a five-story hotel building containing 168 hotel rooms. The Gateway Studios campus includes an internal drive, surface parking lots, landscaping and an additional lot for future development.

The Main Building and Studio 2 have a total of eight different light fixtures. Of the eight, only one light fixture is classified as a specialty lighting fixture. This fixture is a wall-wash fixture highlighting the exposed concrete panel walls located on the Main Building. These walls will face Chesterfield Airport Rd. and Spirit of St. Louis Blvd. All lighting proposed will match the black and grey exterior finishes, will be static and will not trespass beyond the roof of the building.

STAFF ANALYSIS

The Unified Development Code (UDC) allows for Architectural Specialty Lighting Packages (Sec. 31-04-03.C). Specialty architectural lighting is defined as lighting applications located on the exterior or visible from the exterior of a building that highlight and accentuate certain portions, features, or entire facades of a building or structure and that may utilize non-traditional colors, motion, or other similar features. The UDC also defines that the purpose of an architectural specialty lighting package is to provide comprehensive, complementary and unified architectural specialty lighting throughout a single development. Any requested modifications are to provide for flexible architectural accent lighting criteria that promotes superior design and is tailored to a specific development.

The UDC provides several considerations for Architectural Specialty Lighting Packages which can be found below:

- **Architectural specialty lighting should highlight and accentuate traditional building detailing and architectural features. Additionally, precise lighting applications should highlight distinctive architectural features.**

The specialty lighting located at the base of the exposed concrete walls on the Main Building highlights the texture and pattern of the architectural design. The accentuated architectural features can be seen in the night renderings found below (Figures 3 and 4).



Figure 3: Rendering – Main Building Front Façade facing Chesterfield Airport Rd.



Figure 4: Rendering – Main Building & Studio 2 facing Spirit of St. Louis Blvd.

- **The color temperature of architectural specialty lighting should underscore the building materials and character. Any non-traditional colors are limited to one change within a 24 hour time period. Additionally, architectural specialty lighting should be unobtrusive in intensity and should not turn a building into an attention-getting device or blanket signage.**

The proposed lighting will match the black and grey exterior finishes and be a cool, neutral 4000k color temperature. While the specialty lighting wall wash fixture will have the ability to change color based on the clientele hosted in the studio, the clear/white color shown on the renderings will be the standard lighting preference. The proposed lighting on the Main Building and Studio 2 is designed so that it does not project beyond the building. The light does not blink or flash and will not be perceived as signage.

- **All proposed light fixtures should be permanently mounted.**

All of the proposed fixtures within the approved lighting plan and the proposed Specialty Lighting Package are to be permanently mounted.

- **Architectural specialty lighting shall not interfere with or obscure the public's capacity to receive information, or cause visual confusion by interfering with pedestrian or vehicular traffic. Architectural specialty lighting shall conform to the character of the community, enhance the visual harmony of development, and preserve the public health, convenience, welfare and/or safety within the City of Chesterfield by maintaining the high aesthetic quality of the community.**

The proposed specialty lighting will highlight feature walls facing Chesterfield Airport Rd. and Spirit of St. Louis Blvd. No specialty lighting is proposed on the rear elevations facing Highway 40/Interstate 64. The Main Building and Studio 2 are set back significantly from the road and there will be no light spillage from the site. The proposed development is unique in both use and architecture and will be highly visible. The proposed lighting package enhances the buildings architecture while maintaining public safety and aesthetic quality of the city of Chesterfield.

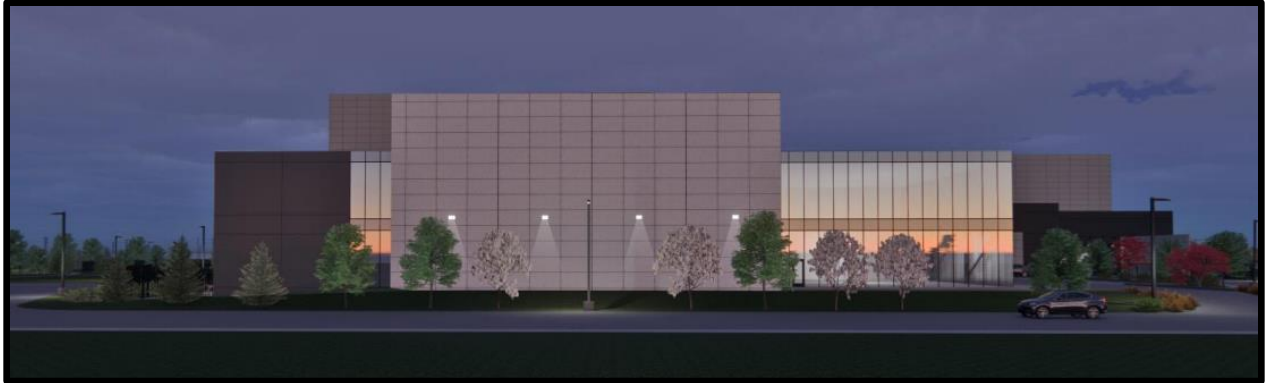


Figure 5: Rendering – Studio 2 facing Highway 40/Interstate 64

Additional Design Standards/Policies:

Chesterfield Valley Design Policies: The City of Chesterfield’s Comprehensive Plan has a specific Chesterfield Valley Policies Element. The policies include commercial development with particular concern over the image presented by development along I-64. There are six specific policies of which one is applicable to the lighting design of this project. Staff outlines the applicable policy below.

Policy 1: Lighting of Buildings Along I-64/US 40 - The facades of buildings facing I-64/US 40 should be lighted to provide an attractive image at night for individuals traveling along I-64. Accent lighting should be utilized and flood lighting should be avoided.

Limited building light fixtures are proposed along the facades facing the highway. No flood lights are proposed along these rear façades.

DEPARTMENTAL INPUT

Staff is requesting a recommendation from the Architectural Review Board (ARB) on the Specialty Lighting Package proposed for Spirit of St. Louis Corporate Center (Gateway Studios). All recommendations made by the ARB will be included in Staff’s report to the Planning Commission. Attached is the architectural specialty lighting package submittal containing the proposed color elevations with the application of lighting for all facades, additional renderings at night, photos of other locations with similar lighting, photos of adjacent development, and the architect’s statement of design.

Requests for Architectural Specialty Lighting Packages can be permitted if they are found to be architecturally integrated with the building design and harmonious with the surrounding area. As such, Staff is requesting a recommendation from the Architectural Review Board (ARB) on the Lighting Package proposed for Gateway Studios. All recommendations made by the ARB will be included in Staff’s report to the Planning Commission.

MOTION

The following options are provided to the Architectural Review Board for consideration relative to this application:

- 1) "I move to forward the Architectural Specialty Lighting Package for Spirit of St. Louis Corporate Center (Gateway Studios), as presented, with a recommendation for approval (or denial) to the Planning Commission."

- 2) "I move to forward the Architectural Specialty Lighting Package for Spirit of St. Louis Corporate Center (Gateway Studios) to the Planning Commission with the following recommendations..."

Attachments

1. Architectural Specialty Lighting Package Submittal

MAIN BUILDING | SPECIALITY LIGHTING PACKAGE

GMA JOB NUMBER: SJ2324

SUBMITTED 04.22.2021



MAIN BUILDING | LIGHTING NARRATIVE

GMA JOB NUMBER: SJ2324

SUBMITTED 04.22.2021

April 20, 2021

Architectural Specialty Lighting Package **Gateway Studios – Main Building and Studio 2**

Purpose

The specialty lighting proposed for the Gateway Studios Main Building had been designed to highlight and accentuate the building detailing and architectural features. The only specialty light fixture being proposed is a wall-wash type fixture, while all other lighting for the Gateway Studios Campus are traditional applications of architectural accent lighting.

One of the primary architectural features of the Main Building are the Studio walls. The Studio walls are exposed concrete panels designed with a formliner pattern inspired by Japanese Architect Tadao Ando. This formliner creates a consistent four (4) foot tall by eight (8) foot long grid-like pattern, dotted with six (6) round depressions.

To highlight the beauty of the exposed concrete walls with this grid-like pattern, the Studio walls that flank the Main Entry will be illuminated with an energy efficient, color-change, wall-wash type fixture (Fixture F). These Studio walls face Chesterfield Airport Road and Sprit of St. Louis Boulevard, and do not face the Interstate. The wash-wash fixture highlights the natural character of the building, while providing the option to change the color based on the clientele from the Music and Film Industry that is using the facility. Per City of Chesterfield guidelines, the color will not be changed more than one (1) time during a twenty-four (24) hour period.

Sleek, twelve-foot-tall pedestrian light poles line the entry plaza of the Main Building to serve both function and beauty (Fixture G). These modern, slim line fixtures align with the column bay spacing of the Main Building and complement the contemporary design. In addition to being attractive accents that delineate the edge of the entry plaza, these light poles provide the required light levels in the drive lanes near the monument sign at the Main Building.

A cove light frames and highlights the cantilevered entry portion of the Main Office at the Main Building (Fixture C-2). On the underside of the cantilevered entry portion is linear LED lighting recessed in a wood-look fiber cement paneled soffit (Fixture C-1).

In contrast to the wall-washed Studio walls that are the highlight of the lighting scheme, the concrete walls of the Studio Support Space will have simple, strategically placed, accent lighting that adds visual interest and balance to the front façade (Fixture B). These fixtures are mounted at 24' above the finish floor so that they are above the trees and landscaping.

The concrete walls of the plaza between the Main Building and Studio 2 will have accent lighting that offers safety and appeal to the overall plaza design (Fixture B). This accent lighting will line both sides of the plaza, mounted at 12' above the finish floor.

Per City of Chesterfield guidelines, the lighting for the façade of Studio 2 which faces the Interstate will have traditional accent lighting (Fixture B). These accent lights will be mounted at 18' above the finish floor so that they are above the tree line and balanced with design of the North façade (Fixture B).

For safety purposes, all exterior man doors in the concrete walls of the Main Building and Studio 2 will have a downlight above the man door, mounted at 12' above the finish floor (Fixture A). All dock doors for the Main Building and Studio 2 will have a downlight above the dock door, mounted at 14' above the finish floor (Fixture D). Where additional light is needed near the taller drive-in doors for the Main Building and Studio 2, a downlight will be mounted at 24' above the finish floor (Fixture E).

To coordinate with the black and grey features on the Main Building and Studio 2, all exterior lighting will have a black colored housing finish and will be a cool, neutral 4000K color temperature.

All fixtures will be dusk-to-dawn fixtures. All light fixtures will be static (not moving, flashing, shifting, or blinking). No lights will project their light above the roof of the building, and no light trespass or sky glow will result from the proposed lighting scheme.

See provided architectural lighting plans, lighting cut sheets, and nighttime renderings included with this submission.

MAIN BUILDING | LIGHTING PLANS

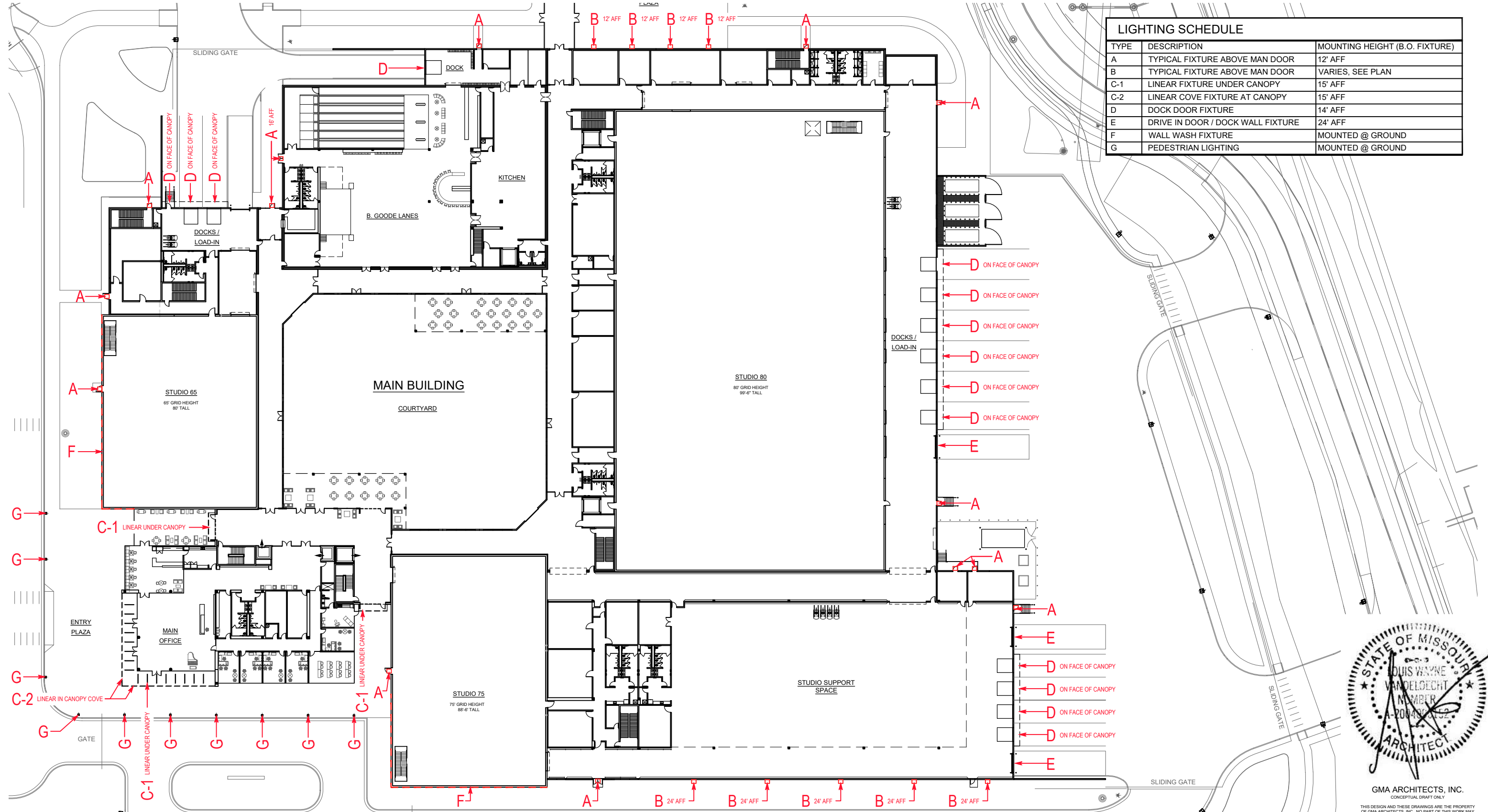
GMA JOB NUMBER: SJ2324

SUBMITTED 04.22.2021

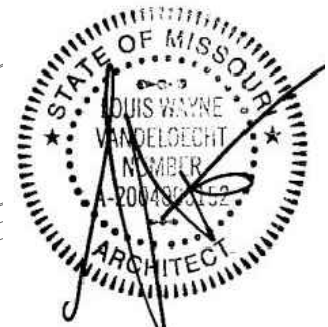


GATEWAY STUDIOS | CHESTERFIELD, MO

GMA JOB NUMBER: SJ2324 DATE:04.22.2021



| LIGHTING SCHEDULE | | |
|-------------------|-----------------------------------|--------------------------------|
| TYPE | DESCRIPTION | MOUNTING HEIGHT (B.O. FIXTURE) |
| A | TYPICAL FIXTURE ABOVE MAN DOOR | 12' AFF |
| B | TYPICAL FIXTURE ABOVE MAN DOOR | VARIES, SEE PLAN |
| C-1 | LINEAR FIXTURE UNDER CANOPY | 15' AFF |
| C-2 | LINEAR COVE FIXTURE AT CANOPY | 15' AFF |
| D | DOCK DOOR FIXTURE | 14' AFF |
| E | DRIVE IN DOOR / DOCK WALL FIXTURE | 24' AFF |
| F | WALL WASH FIXTURE | MOUNTED @ GROUND |
| G | PEDESTRIAN LIGHTING | MOUNTED @ GROUND |



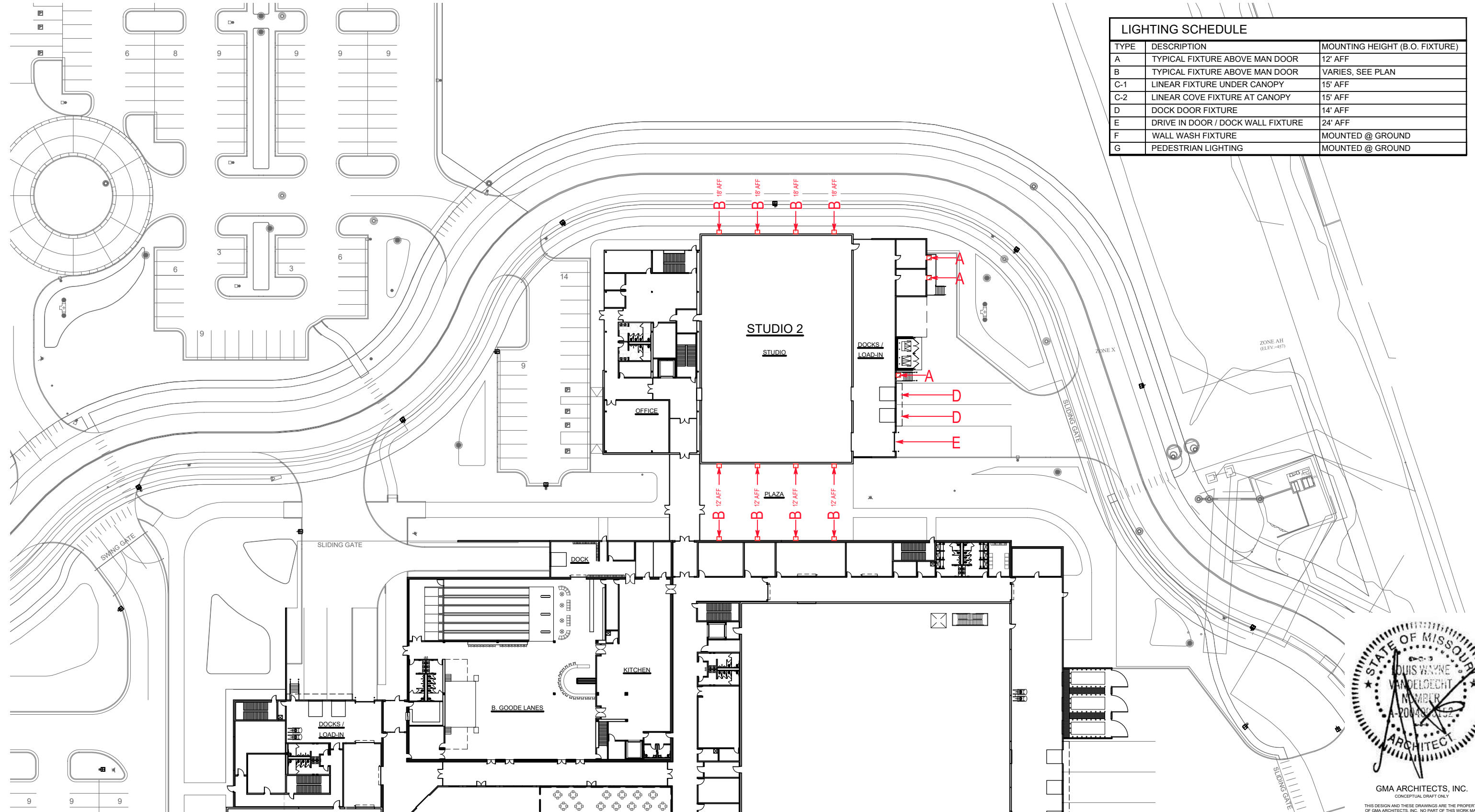
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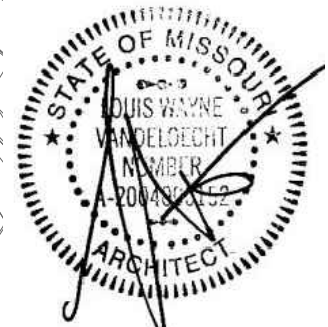
A4.1 EXTERIOR BUILDING LIGHTING PLAN - MAIN BUILDING

GATEWAY STUDIOS | CHESTERFIELD, MO

GMA JOB NUMBER: SJ2324 DATE:04.22.2021



| LIGHTING SCHEDULE | | |
|-------------------|-----------------------------------|--------------------------------|
| TYPE | DESCRIPTION | MOUNTING HEIGHT (B.O. FIXTURE) |
| A | TYPICAL FIXTURE ABOVE MAN DOOR | 12' AFF |
| B | TYPICAL FIXTURE ABOVE MAN DOOR | VARIES, SEE PLAN |
| C-1 | LINEAR FIXTURE UNDER CANOPY | 15' AFF |
| C-2 | LINEAR COVE FIXTURE AT CANOPY | 15' AFF |
| D | DOCK DOOR FIXTURE | 14' AFF |
| E | DRIVE IN DOOR / DOCK WALL FIXTURE | 24' AFF |
| F | WALL WASH FIXTURE | MOUNTED @ GROUND |
| G | PEDESTRIAN LIGHTING | MOUNTED @ GROUND |



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A4.2 EXTERIOR BUILDING LIGHTING PLAN - STUDIO 2

MAIN BUILDING | NIGHTTIME RENDERINGS

GMA JOB NUMBER: SJ2324

SUBMITTED 04.22.2021

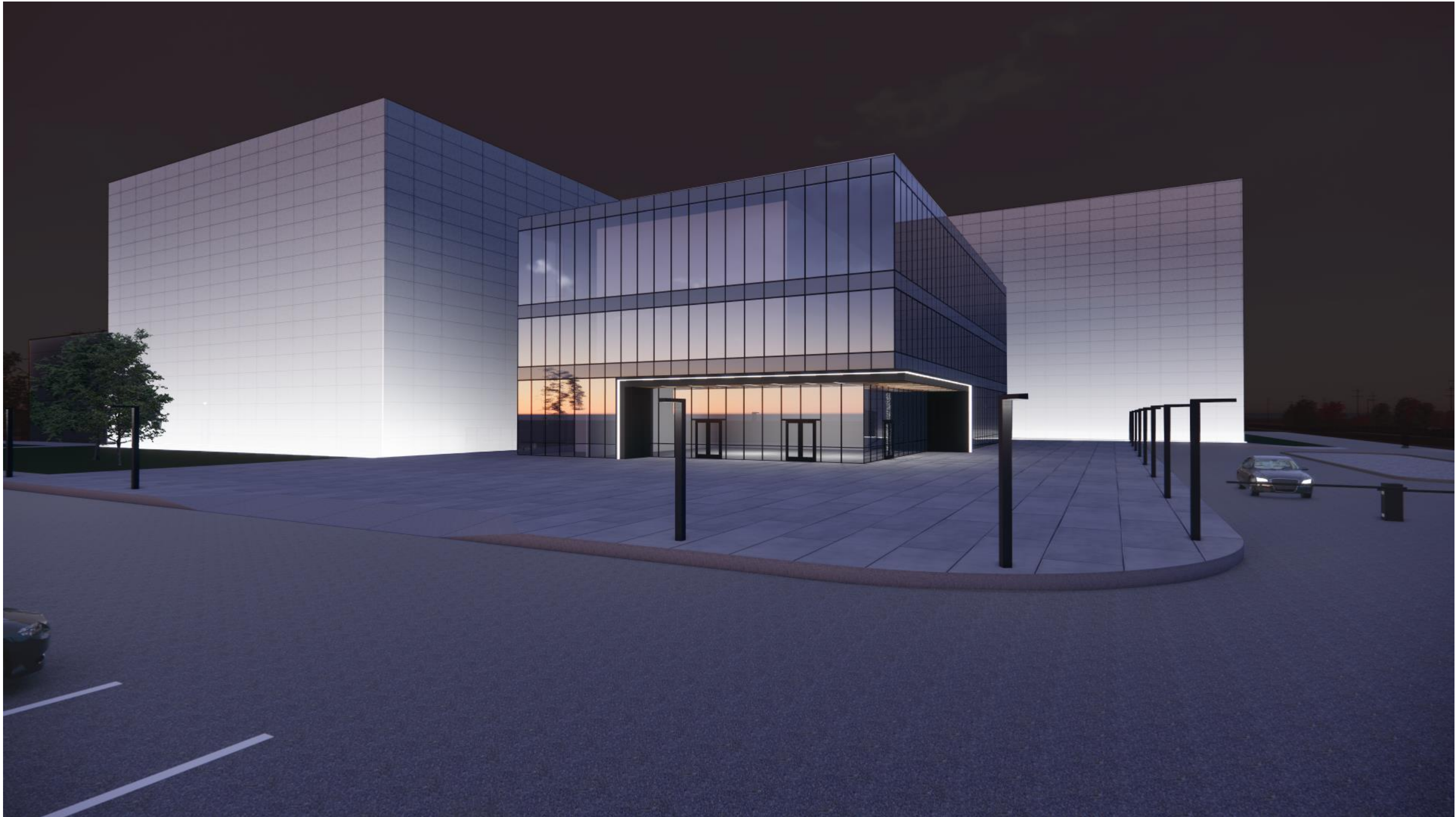




MAIN BUILDING: FRONT FAÇADE FACING CHESTERFIELD AIRPORT ROAD



MAIN BUILDING AND STUDIO 2: FACING SPIRIT OF ST. LOUIS BLVD



MAIN BUILDING ENTRY PLAZA



MAIN BUILDING ENTRY PLAZA



STUDIO 2 FACING INTERSTATE



PLAZA BETWEEN MAIN BUILDING AND STUDIO 2



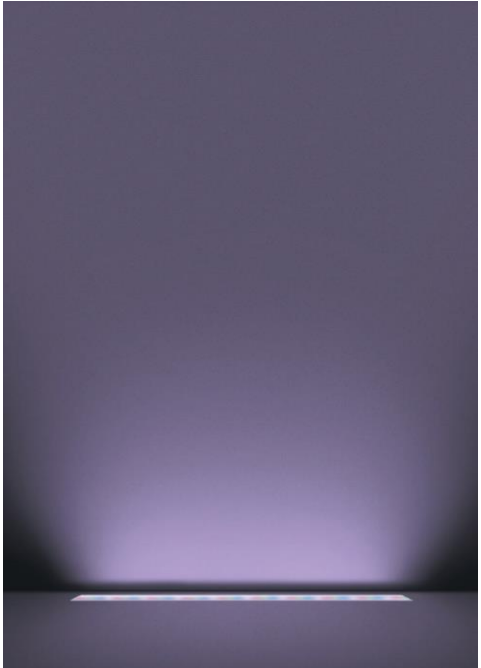
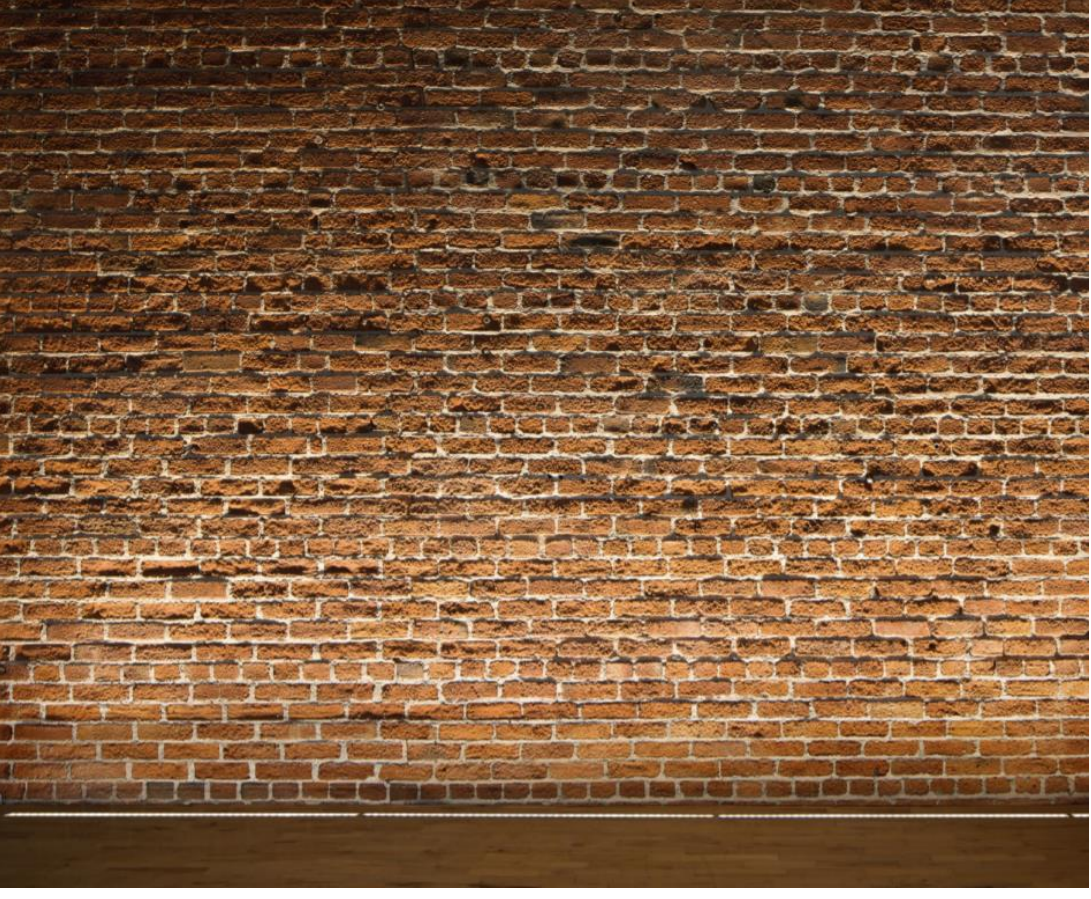
MAIN BUILDING AND STUDIO 2: DOCK SIDE

MAIN BUILDING | SPECIALITY FIXTURE

GMA JOB NUMBER: SJ2324

SUBMITTED 04.22.2021

Main Building



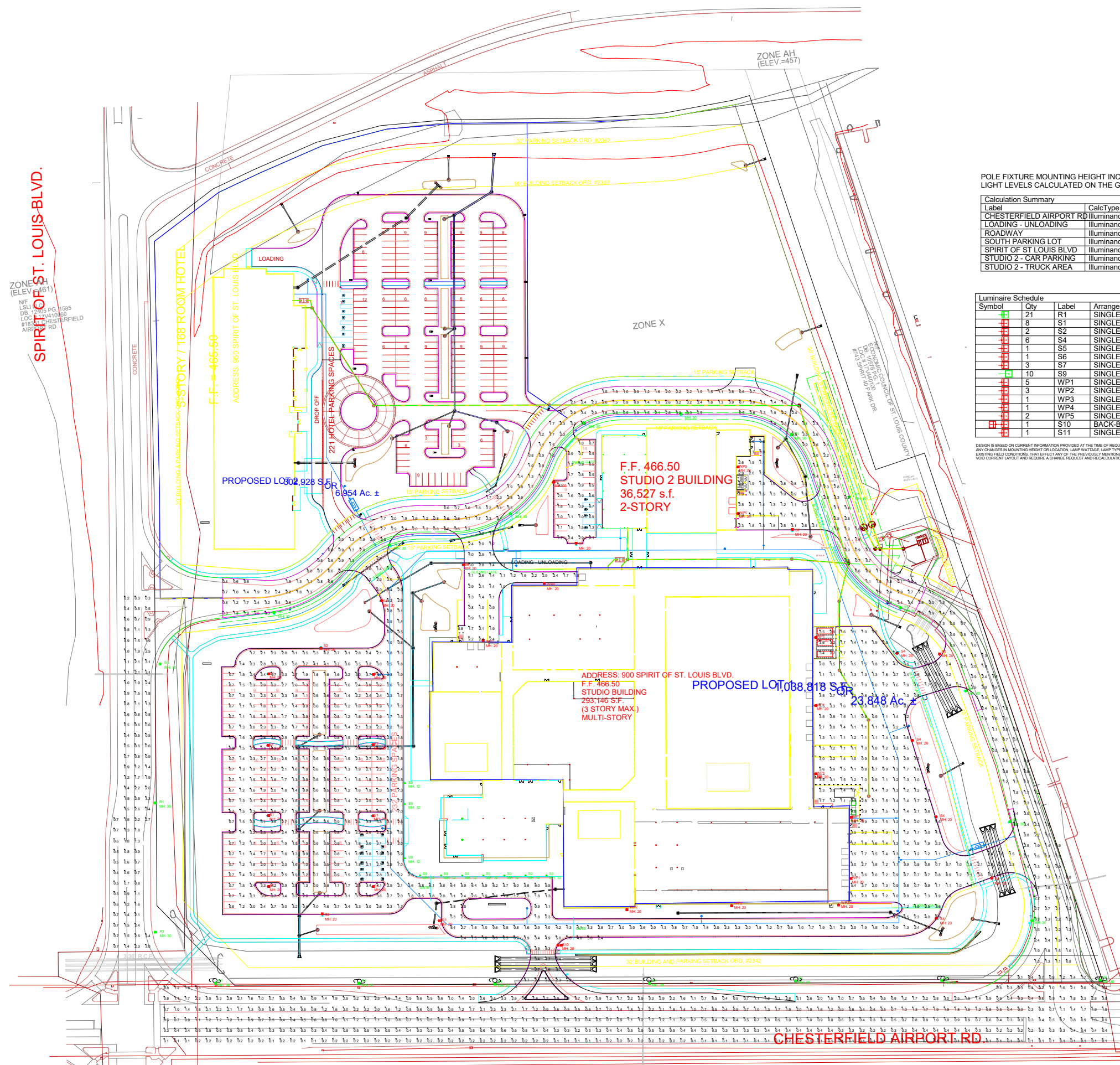
Install images:
Lumenfacade inground, color change, wall wash fixture

MAIN BUILDING | SITE PHOTOMETRICS

GMA JOB NUMBER: SJ2324

SUBMITTED 04.22.2021

ZONE AH (ELEV. =461)
 SPIRIT OF ST. LOUIS BLVD.



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

| Label | CalcType | Units | Avg | Max | Min | Avg/Min | Max/Min |
|-------------------------|-------------|-------|------|-----|-----|---------|---------|
| CHESTERFIELD AIRPORT RD | Illuminance | Fc | 0.85 | 3.4 | 0.1 | 8.50 | 34.00 |
| LOADING - UNLOADING | Illuminance | Fc | 1.86 | 5.0 | 0.8 | 2.33 | 6.25 |
| ROADWAY | Illuminance | Fc | 1.72 | 3.5 | 0.4 | 4.30 | 8.75 |
| SOUTH PARKING LOT | Illuminance | Fc | 2.09 | 7.7 | 0.5 | 4.18 | 15.40 |
| SPIRIT OF ST LOUIS BLVD | Illuminance | Fc | 1.27 | 3.4 | 0.2 | 6.35 | 17.00 |
| STUDIO 2 - CAR PARKING | Illuminance | Fc | 1.28 | 3.5 | 0.5 | 2.56 | 7.00 |
| STUDIO 2 - TRUCK AREA | Illuminance | Fc | 1.63 | 3.1 | 0.6 | 2.72 | 5.17 |

| Symbol | Qty | Label | Arrangement | LLF | Lum. Watts | Total Watts | Description |
|----------|-----|-------|-------------|-------|------------|-------------|---------------------------|
| [Symbol] | 21 | R1 | SINGLE | 1.000 | 166 | 3486 | GLEON-SA3C-740-U-T3 |
| [Symbol] | 8 | S1 | SINGLE | 1.000 | 166 | 1328 | GLEON-SA3C-740-U-5WQ |
| [Symbol] | 2 | S2 | SINGLE | 1.000 | 113 | 226 | GLEON-SA2C-740-U-SL2 |
| [Symbol] | 6 | S4 | SINGLE | 1.000 | 113 | 678 | GLEON-SA2C-740-U-SL4 |
| [Symbol] | 1 | S5 | SINGLE | 1.000 | 113 | 113 | GLEON-SA2C-740-U-SLR |
| [Symbol] | 1 | S6 | SINGLE | 1.000 | 113 | 113 | GLEON-SA2C-740-U-SL4-HSS |
| [Symbol] | 3 | S7 | SINGLE | 1.000 | 67 | 201 | GLEON-SA1D-740-U-SL4 |
| [Symbol] | 10 | S9 | SINGLE | 1.000 | 54 | 540 | ACL-R4-X-5G1800-30-XX-UNV |
| [Symbol] | 5 | WP1 | SINGLE | 1.000 | 113 | 565 | GLEON-SA2C-740-U-T4FT-WM |
| [Symbol] | 3 | WP2 | SINGLE | 1.000 | 113 | 339 | GLEON-SA2C-740-U-SL3-WM |
| [Symbol] | 1 | WP3 | SINGLE | 1.000 | 66 | 66 | GLEON-SA2A-740-U-T4FT-WM |
| [Symbol] | 1 | WP4 | SINGLE | 1.000 | 66 | 66 | GLEON-SA2A-740-U-SL3-WM |
| [Symbol] | 2 | WP5 | SINGLE | 1.000 | 59 | 118 | GLEON-SA1C-740-U-T4FT-WM |
| [Symbol] | 1 | S10 | BACK-BACK | 1.000 | 166 | 332 | GLEON-SA3C-740-U-5WQ TWIN |
| [Symbol] | 1 | S11 | SINGLE | 1.000 | 166 | 166 | GLEON-SA3C-740-U-T4FT |

DESIGN IS BASED ON CURRENT INFORMATION PROVIDED AT THE TIME OF REQUEST. ANY CHANGES IN MOUNTING HEIGHT OR LOCATION, LAMP WATTAGE, LAMP TYPE AND EXISTING FIELD CONDITIONS THAT AFFECT ANY OF THE PREVIOUSLY MENTIONED WILL VOID CURRENT LAYOUT AND REQUIRE A CHANGE REQUEST AND RE-CALCULATION.

ADJ. LOT 1
 PE. 315 PG. 26-27
 SPIRIT PARK PROPERTIES LLC
 DB. 20058 PG. 254
 LOC.# 17V420113
 #707 SPIRIT 40 PARK DR.

CHESTERFIELD AIRPORT RD.

Thank You!



GMA Architects, Inc.
(314) 822-5191
Gma-architects.com



LIGHTING CUT SHEETS

FOR

MAIN BUILDING + STUDIO 2

MAIN BUILDING + STUDIO 2 | ARB Submission

GMA JOB NUMBER: SJ2324

DATE: 03.22.2021

REVISED
04.20.2021

CONCERTO UDL W LED

Architectural Outdoor



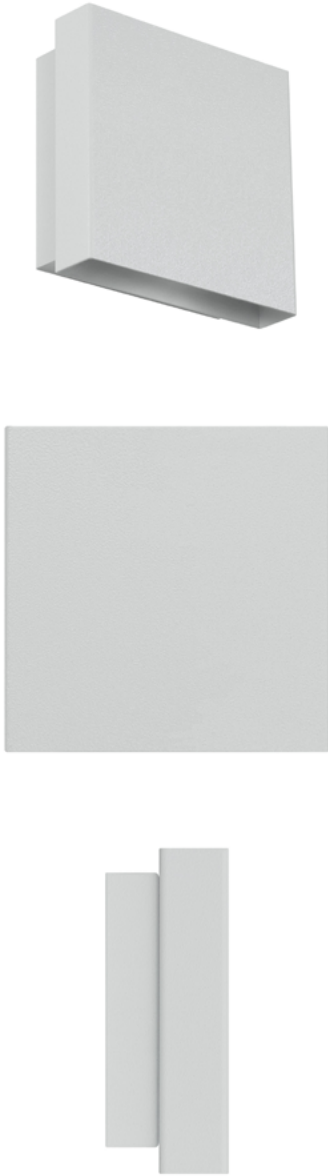
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| TYPE: | |
| PO#: | QTY: |
| COMMENTS: | |



FEATURES

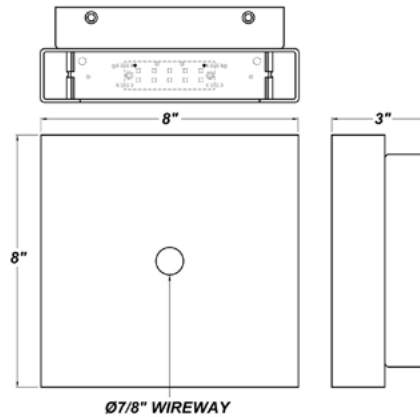
- ADA Compliant
- Aluminum Fixture w/ Textured White Powder Coat Finish
- Aluminum Mounting Plate Mounts to Wall Surface (Centered Over And Attached to J-Box)
- CSA Listed Wet Location For Wall Mount
- Dimmable @ 120/277V
- Direct Up / Down Lighting
- LED Light Fixture
- LEDs Are Shielded And Not Exposed
- Standard IP66 Rated Driver
- Surge Protector
- Wet Location LED Modules
- 0-10V Dimmable

MAIN BUILDING AND STUDIO 2
TYPICAL LIGHTING ABOVE MAN
DOOR
+
TYPICAL ACCENT LIGHTING
AROUND BUILDING

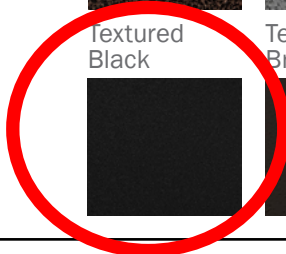
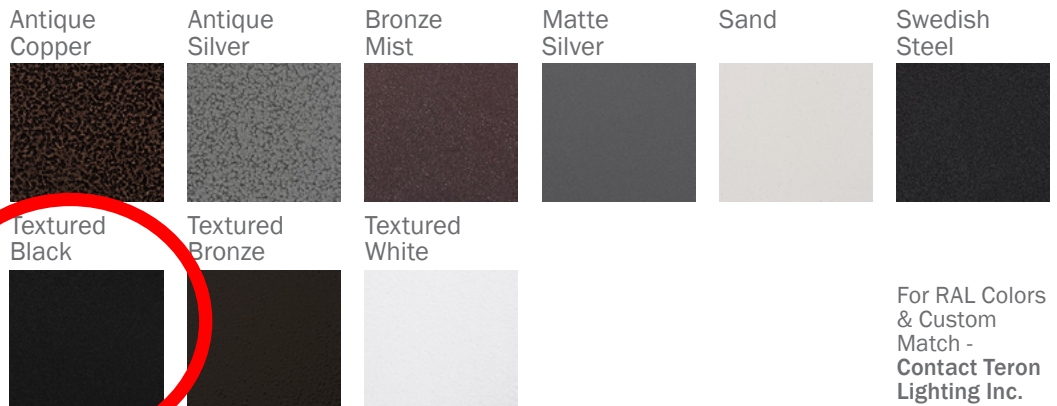


LINE DRAWING

LINE DRAWING NOT TO SCALE



FINISHES



For RAL Colors & Custom Match - Contact Teron Lighting Inc.

CONCERTO UDL W LED

Architectural Outdoor



Fixture Core

| | |
|-----------|------|
| PROJECT: | |
| TYPE: | |
| PO#: | QTY: |
| COMMENTS: | |

| PRODUCT CODE | SOURCE/WATTAGE | VOLTAGE | DIMMING DRIVER |
|--------------------------------------|---|---|-------------------------|
| CTO W - Concerto Wet Location | L21.6-ZE600 - 2x10.8W @ 600mA 0-10V Dimming Driver | 120V 277V (50 / 60Hz) | (0-10V Dimmable) |
| ORDER INFO | | | |
| CTO W Example ^ | L21.6-ZE600 | 120V | See Source/Wattage |

Aesthetics & Options

| TRIM | FINISH | COLOR TEMP | OPTIONS |
|------------------------------------|--|---|-----------------------|
| UDL-Up Down Light | AC - Antique Copper AS - Antique Silver BT - Bronze Mist SM - Matte Silver SN - Sand SW - Swedish Steel TB - Textured Black BZ - Textured Bronze TW - Textured White (Standard) | 35K - 3500K Color Temp 40K - 4000K Color Temp 50K - 5000K Color Temp | Not Applicable |
| ORDER INFO | | | |
| UDL Example ^ | AC | 35K | Not Applicable |

| PROD | SOURCE | 35K SPECS | | | | |
|------------------|--------|---|--|--|--|--|
| CTO W UDL | L21.6 | <ul style="list-style-type: none"> • 35K - 3500K Color Temp • 1260 Source Lumens • 116.6 Source Lumens Per Watt on The Bottom • 116.6 Source Lumens Per Watt on The Top | | | | |

| REPLACEMENT PART | PART NO | NOTES |
|------------------|---------|--|
| | | Darker Finishes May Reduce The LED Output. Textured White And Matte Silver Are Recommended for Maximum Light Output. Don't see the configuration you are looking for? Call us today at (513) 858-6004 |



TERONLIGHTING.COM
 33 DONALD DR, FAIRFIELD, OH 45014
 P: 513.858.6004 F: 513.858.6038
 E: SALES@TERONLIGHT.COM



We reserve the right to revise the design components of any product due to parts availability or change in UL standards, without assuming any obligation or liability to modify any products previously manufactured, and without notice.

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RLS420 LED

Surface Mounted Wall Luminaires

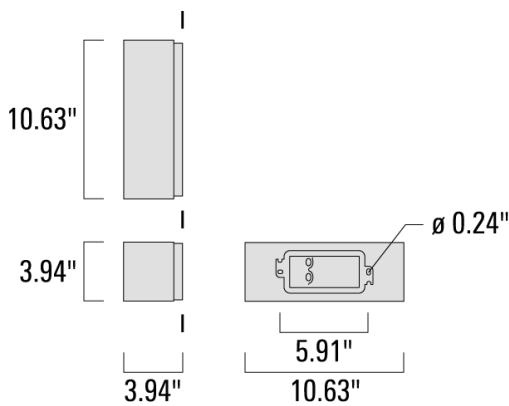
1/5

we-ef

MAIN BUILDING AND STUDIO 2

ACCENT LIGHTING AT PLAZA
BETWEEN STUDIO 2 AND MAIN

B



Description

IP66. IK08. Marine-grade, die-cast aluminium alloy. 5CE superior corrosion protection including PCS hardware. Safety glass lens. Silicone CCG[®] Controlled Compression Gasket. Luminaire is factory-sealed and does not need to be opened during installation. Optional 2200 K version up to max. 1050mA available. To be specified at time of ordering. Integral EC electronic converter. Advanced thermal management protects LEDs while optimising lumens output. CAD-optimised optics for superior illumination and glare control. OLC[®] One LED Concept. Luminaire can be mounted for up or down lighting. ADA (American Disabilities Act) Compliant.

RLS420 LED





Surface Mounted Wall Luminaires


2/5

we-ef

Specifications

Material Specification

| | |
|----------|--|
| Body: | Marine-grade, die-cast aluminium alloy |
| Lens: | Safety glass lens |
| Colours: |  RAL9004 Black  RAL9007 Grey Metallic  RAL9016 White  RAL8019 Dark Bronze |

 **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 colors must be in one of our 4 standard finishes. A maximum order quantity of 30 pieces applies.

| | |
|-----------------------|---|
| Gasket: | Silicone CCG® Controlled Compression Gasket |
| Fasteners: | PCS Polymer Coated Stainless Steel Hardware |
| Ingress protection: | IP66 |
| Impact protection: | IK08 |
| Corrosion protection: | 5CE |

Electrical Specification

| | |
|-------------------|---|
| Power supply: | Integral [ECG] electronic driver 120V-277V. 0-10V dimmable, to be specified with order. |
| Driver / Ballast: | Integral EC electronic converter |

Lifetime

Ta=25°/40° L90B10 > 90000h











RLS420 LED

Surface Mounted Wall Luminaires

3/5



Choices

| Light Distributions | Nominal Lumen | Nominal Watt | Colour Temperatures | Colours |
|--|------------------------------|--------------|--|--|
|  rectangular asymmetric Type II [R45] | 1398 1476 | 12 18 |  2700 K |  RAL9004 Black |
|  symmetric, medium beam [M] | 2220 2340 | 26 |  3000 K |  RAL9007 Grey Metallic |
|  symmetric, narrow beam [N] | 2700 2839 2993 3453 | |  4000 K |  RAL9016 White  RAL8019 Dark Bronze |

RLS420 LED

Surface Mounted Wall Luminaires

4/5



Configurations

| Light Distributions | Part ID | Light Source | Delivered Lumens | Rated Input Power | CRI | Weight | Link |
|--------------------------------------|----------|------------------------------|------------------|-------------------|-----|--------|---------------------|
| rectangular asymmetric Type II [R45] | 620-6500 | LED-6/12W / 700 mA - 2700 K | 880.9 | 15 | 80 | 5.73 | 📄 ↗ |
| | 620-6501 | LED-6/12W / 700 mA - 3000 K | 930 | 15 | 80 | 5.73 | 📄 ↗ |
| | 620-6502 | LED-6/12W / 700 mA - 4000 K | 930 | 15 | 80 | 5.73 | 📄 ↗ |
| | 620-6503 | LED-6/18W / 1050 mA - 2700 K | 1325.3 | 21 | 80 | 5.73 | 📄 ↗ |
| | 620-6504 | LED-6/18W / 1050 mA - 3000 K | 1397 | 21 | 80 | 5.73 | 📄 ↗ |
| | 620-6505 | LED-6/18W / 1050 mA - 4000 K | 1611.9 | 21 | 80 | 5.73 | 📄 ↗ |
| | 620-6506 | LED-6/26W / 1400 mA - 2700 K | 1694.9 | 30 | 80 | 5.73 | 📄 ↗ |
| | 620-6507 | LED-6/26W / 1400 mA - 3000 K | 1786.8 | 30 | 80 | 5.73 | 📄 ↗ |
| | 620-6508 | LED-6/26W / 1400 mA - 4000 K | 2061.4 | 30 | 80 | 5.73 | 📄 ↗ |
| symmetric, medium beam [M] | 620-6509 | LED-6/12W / 700 mA - 2700 K | 1122.5 | 15 | 80 | 5.73 | 📄 ↗ |
| | 620-6510 | LED-6/12W / 700 mA - 3000 K | 1185.1 | 15 | 80 | 5.73 | 📄 ↗ |
| | 620-6511 | LED-6/12W / 700 mA - 4000 K | 1185.1 | 15 | 80 | 5.73 | 📄 ↗ |
| | 620-6512 | LED-6/18W / 1050 mA - 2700 K | 1755.1 | 21 | 80 | 5.73 | 📄 ↗ |
| | 620-6513 | LED-6/18W / 1050 mA - 3000 K | 1850 | 21 | 80 | 5.73 | 📄 ↗ |
| | 620-6514 | LED-6/18W / 1050 mA - 4000 K | 2134.6 | 21 | 80 | 5.73 | 📄 ↗ |
| | 620-6515 | LED-6/26W / 1400 mA - 2700 K | 2244.5 | 30 | 80 | 5.73 | 📄 ↗ |
| | 620-6516 | LED-6/26W / 1400 mA - 3000 K | 2366.2 | 30 | 80 | 5.73 | 📄 ↗ |
| | 620-6517 | LED-6/26W / 1400 mA - 4000 K | 2729.9 | 30 | 80 | 5.73 | 📄 ↗ |
| symmetric, narrow beam [N] | 620-6518 | LED-6/12W / 700 mA - 2700 K | 1055.6 | 15 | 80 | 5.73 | 📄 ↗ |
| | 620-6519 | LED-6/12W / 700 mA - 3000 K | 1114.5 | 15 | 80 | 5.73 | 📄 ↗ |
| | 620-6520 | LED-6/12W / 700 mA - 4000 K | 1114.5 | 15 | 80 | 5.73 | 📄 ↗ |
| | 620-6521 | LED-6/18W / 1050 mA - 2700 K | 1779.8 | 21 | 80 | 5.73 | 📄 ↗ |
| | 620-6522 | LED-6/18W / 1050 mA - 3000 K | 1876.1 | 21 | 80 | 5.73 | 📄 ↗ |
| | 620-6523 | LED-6/18W / 1050 mA - 4000 K | 2164.7 | 21 | 80 | 5.73 | 📄 ↗ |
| | 620-6524 | LED-6/26W / 1400 mA - 2700 K | 2276.1 | 30 | 80 | 5.73 | 📄 ↗ |
| | 620-6525 | LED-6/26W / 1400 mA - 3000 K | 2399.6 | 30 | 80 | 5.73 | 📄 ↗ |
| | 620-6526 | LED-6/26W / 1400 mA - 4000 K | 2768.4 | 30 | 80 | 5.73 | 📄 ↗ |

Related Families / RLS400

| Family | Dimensions | Wattage | Nominal Lumen | Links | Download Data Sheet |
|------------|--------------|----------|---------------|---------------------|---------------------|
| RLS410 LED | 7.09 x 3.94 | 6 -13 W | 699 -1727 | 📄 ↗ | 📄 ↓ |
| RLS420 LED | 10.63 x 3.94 | 12 -26 W | 1398 -3453 | 📄 ↗ | 📄 ↓ |

RLS420 LED

Surface Mounted Wall Luminaires

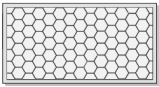
5/5

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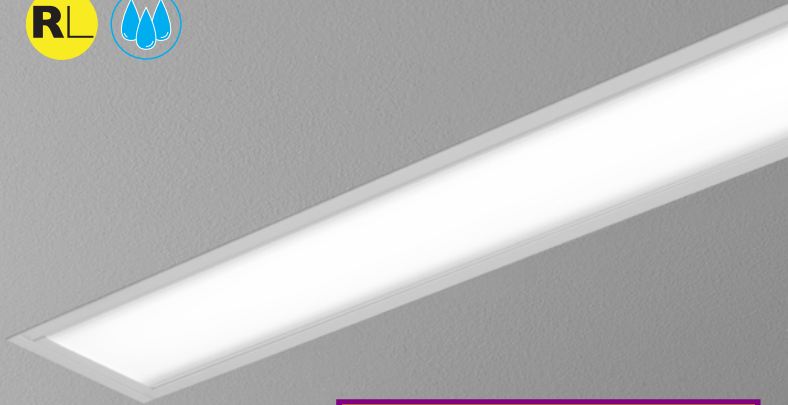
Optical Accessories

Honeycomb louvre

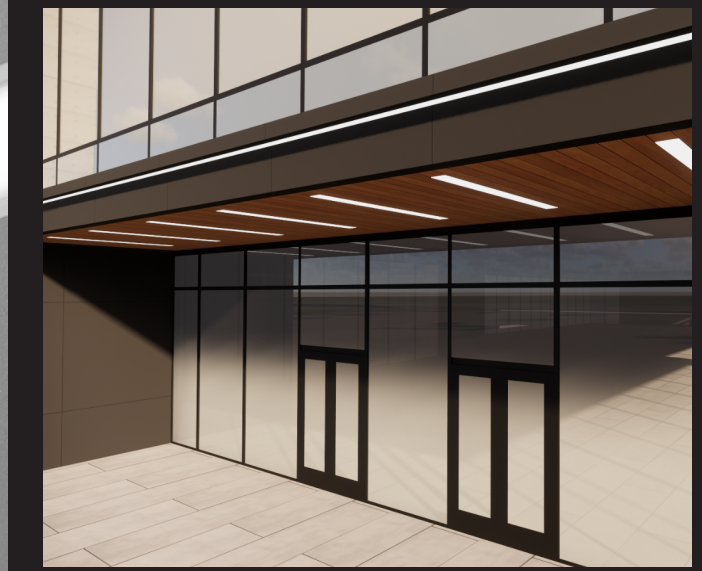
620-8575 Honeycomb louvre IW



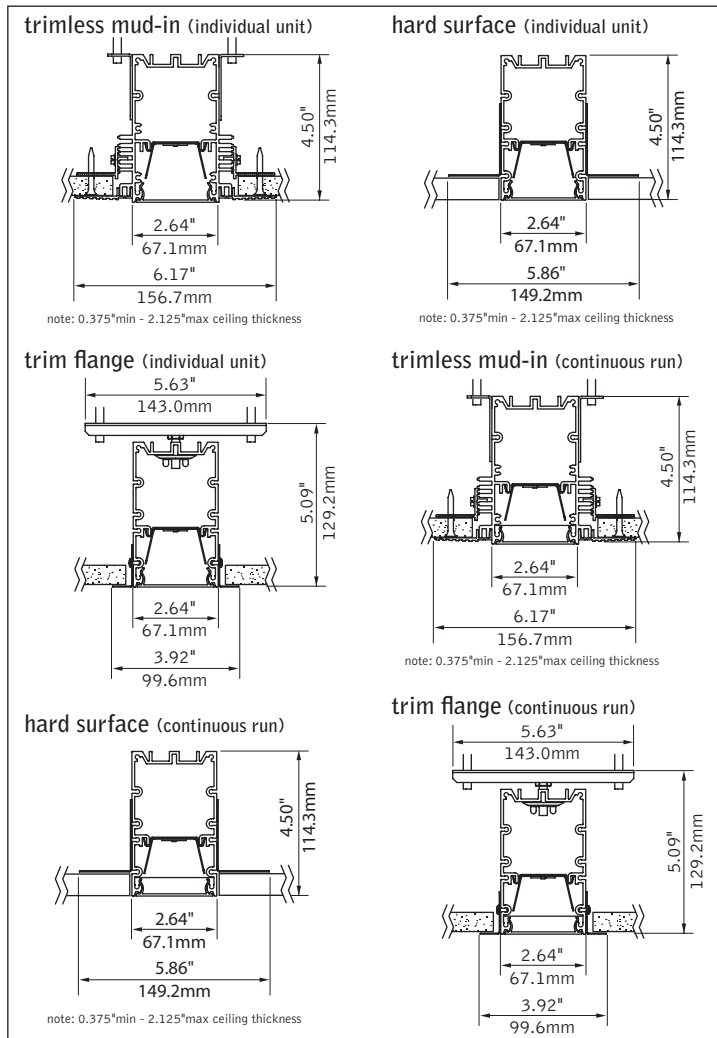
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C-1 AND C-2



DIMENSIONAL DATA



FEATURES

Narrow extruded aluminum 2.5" aperture recessed slot LED suitable for wet location.

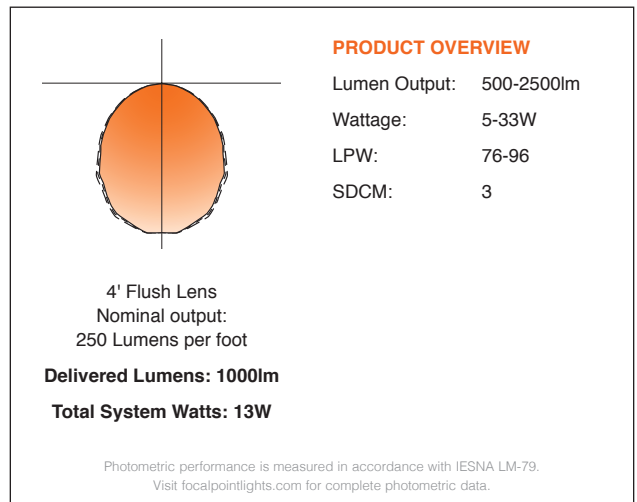
Integrates with ceiling for a clean, unobtrusive aesthetic.

Individual units and continuous runs in 1' increments.

Frosted acrylic lens provides uninterrupted illumination, without pixels or shadows.

LED position and lens material optimized to provide the perfect blend of high performance and visual comfort.

PERFORMANCE



fixture:

project:

SPECIFICATIONS

LED System

Proprietary linear LED module incorporates premium LEDs on a robust platform to achieve excellent thermal management. LEDs are placed to promote a uniform appearance. Available in 3000K, 3500K, 4000K with CRI>80, 3SDCM. LED modules and drivers are replaceable from below.

Construction

One piece extruded aluminum housing. 20 Ga. steel end caps. Housing for new construction applications. 2' unit weight: 5.1 lbs., 3' unit weight: 7.6 lbs., 4' unit weight: 10.1 lbs., 5' unit weight: 12.6 lbs.

Optic

Reflectors fabricated of 22 Ga. steel finished in High Reflectance White powder coat. Extruded acrylic lens .07" thick with satin finish, up to 8' continuous. .020" thick acrylic lens water shield included for continuous runs.

Electrical

Luminaires are pre-wired with factory installed branch circuit wiring and over-molded quick connects. Standard 120-277V constant current driver includes 0-10V analog dimming. Power factor > .9.

Emergency Battery

Output - 10 watts for 90 minutes. Maximum mounting height: 17.9ft.

Labels

UL and cUL Listed for wet location recessed ceiling applications in indoor and outdoor environments. Lutron Drivers not recommended for outdoor environments below 0°C.

Finish

Polyester powder coat applied over a multi-stage pre-treatment.

Lumen Maintenance

Reported: L70 at >61,000 hours Calculated: L70 at 270,000 hours
 L90 at >61,000 hours L90 at 73,000 hours

Derived from EPA TM-21 calculator. Based on typical conditions, consult factory for additional data.

Reliability

At Focal Point, our products are designed to stand the test of time. Each luminaire is engineered using superior components, manufactured with the utmost care and rigorously tested. Contact us for reliability data.

Warranty

LED system rated for operation in ambient environments up to 35°C. 5-year limited warranty.

4' PERFORMANCE CHART

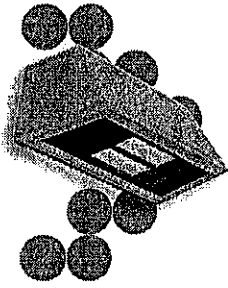
| Shielding | Lumens per Foot | Delivered Lumens | Tested System Watts | LPW |
|------------|-----------------|------------------|---------------------|-----|
| Flush Lens | 125LF | 500 | 5 | 96 |
| | 250LF | 1000 | 13 | 80 |
| | 375LF | 1500 | 19 | 79 |
| | 625LF | 2500 | 33 | 76 |

Based on 3500K, 4' lengths. Lumen multiplier: Continuous runs = 0.93 Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%.

ORDERING

| Luminaire Series | FSM2LWL |
|--|------------|
| Seem 2 LED Wet Location | FSM2LWL |
| Shielding | FL |
| Flush Satin Lens <small>(Ceiling applications only)</small> | FL |
| Lumen Output | |
| 125 Lumens per foot <small>(4' minimum.)</small> | 125LF |
| 250 Lumens per foot | 250LF |
| 375 Lumens per foot | 375LF |
| 625 Lumens per foot | 625LF |
| Color Temperature | |
| 3000K | 30K |
| 3500K | 35K |
| 4000K | 40K |
| Circuit | 1C |
| Single Circuit | 1C |
| Voltage | UNV |
| UNV 120/277 Volt | UNV |
| Control System & Dimming Level | |
| 0-10V - 1% Dimming | L11 |
| 0-10V - 10% Dimming | LD1 |
| Lutron H-Series - 1% Dimming | LH1 |
| Lutron 5-Series - 5% EcoSystem Digital | LU5 |
| Ceiling Configuration | |
| Trim Flange Drywall | TF |
| Mud-in Trimless, pre-set for 1/2" Drywall | XF1 |
| Mud-in Trimless, pre-set for 5/8" Drywall | XF2 |
| Mud-in Trimless, set thickness in field <small>(Mounting equipment assembled in field)</small> | XFF |
| Non-Drywall Hard Surface | XFN |
| Factory Options | |
| Chicago Plenum | CP |
| Emergency Circuit | EC |
| Emergency Battery Pack <small>(4' lengths or longer)</small> | EM |
| 6' New York City Flex Whip | FNY |
| 6' Flex Whip | FW |
| Finish | WH |
| Matte White Housing | WH |
| Luminaire Length | ft |
| Specify luminaire/row length in 1' increments <small>(2' minimum, lengths are nominal. Housing length is 1" shorter than specified.)</small> | _ft |

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WST LED

Architectural Wall Sconce



MAIN BUILDING AND STUDIO 2
LIGHT FOR DOCK DOORS,
TYP.

Specifications Luminaire

Height: 7-1/4"
(18.4 cm)

Width: 16-1/4"
(41.3 cm)

Depth: 9-1/8"
(23.2 cm)

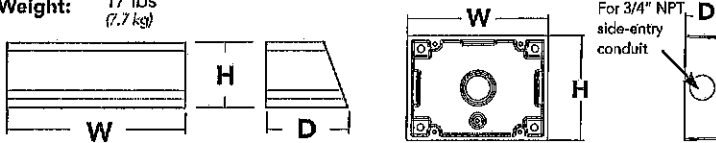
Weight: 17 lbs
(7.7 kg)

Optional Back Box (BBW)

Height: 4"
(10.2 cm)

Width: 5-1/2"
(14.0 cm)

Depth: 1-1/2"
(3.8 cm)



| | |
|----------------|---------------------------------------|
| Catalog Number | WST LED 2 10A700/40K SR4 120 PE DWHXD |
| Notes | Fabco - New Equipment Building |
| Type | D |

Hit the 'Tab' key or mouse over the page to view interactive elements.

Introduction

The classic Architectural Wall Sconce is now available with the latest in LED technology. The result is a long-life, maintenance-free product with typical energy savings of 75% compared to metal halide versions. The integral battery backup option provides emergency egress lighting, without the use of a back-box or remote gear, so installations maintain their aesthetic integrity.

The WST LED is ideal for replacing existing 50 – 175W metal halide wall-mounted products. The expected service life is 20+ years of nighttime use.

Ordering Information

EXAMPLE: WST LED 2 10A700/40K SR3 MVOLT DDBTXD

| Series | Light Engines | Performance Package | Distribution | Voltage | Mounting | Options | Finish (required) |
|---------|---|-------------------------------------|--|--|---|--|---|
| WST LED | 1 One engine (10 LEDs) 2 Two engines (20 LEDs) | 700 mA options: 10A700/40K 4000K | SR2 Type II SR3 Type III SR4 Type IV | MVOLT ¹ 120 ¹ 208 ¹ 240 ¹ 277 ¹ 347 480 | Shipped included (blank) Surface mount Shipped separately ² BBW Surface-mounted back box | Shipped installed PE Photoelectric cell, button type ^{3,4,5} SF Single fuse (120, 277, 347V) ^{3,4} DF Double fuse (208, 240, 480V) ^{3,4} DMG 0-10V dimming driver (no controls) ELCW Emergency battery backup ^{2,6} WLU Wet location door for up orientation Shipped separately VG Vandal guard ¹ WG Wire guard ¹ | DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DSSXD Sandstone DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white DSSTXD Textured sandstone |

VERIFY FINISH

Emergency Battery Operation

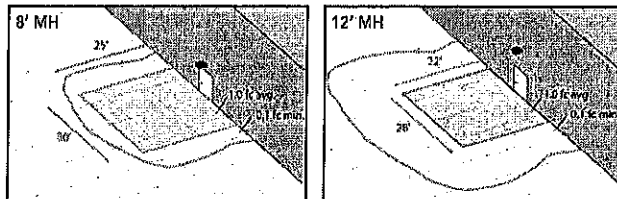
The emergency battery backup (ELCW option) is integral to the luminaire - no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product.

All ELCW configurations include an independent secondary driver with an integral relay to immediately detect A/C power loss. Dual light engines are wired in parallel so both engines operate in emergency mode and provide additional component redundancy. These design features meet various interpretations of NFPA 70/NEC 2008 - 700.16

The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time supply power is lost, per International Building Code Section 1006 and NFPA 101 Life Safety Code Section 7.9, provided luminaires are mounted at an appropriate height and illuminate an open space with no major obstructions.

The examples at right show illuminance of 1 fc average and 0.1 fc minimum of the single-engine Type IV product in emergency mode.

WST LED 1 10A700/40K SR4 MVOLT ELCW
10' x 10' Gridlines
8' and 12' Mounting Height



NOTES

- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with photocell (PE option) or fusing (SF, DF options).
- For side-entry conduit applications. May also be ordered separately as an accessory. Ex: WSBWW DDBXD U.
- Must be ordered with fixture; cannot be field installed.
- Not available with MVOLT option. Button photocell (PE) can be ordered with a dedicated voltage option. Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
- Not available with 480V option.
- Integral battery pack is rated for -20° to 60°C operating temperature. ELCW warranty is 3 year period. Not available with 347V or 480V.



Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual performance may differ as a result of end-user environment and application.

| Light Engines | Drive Current (mA) | Performance Package | System Watts (AVOLT) | Dist. Type | 40K (4000K, 70 CRI) | | | | |
|----------------|--------------------|---------------------|----------------------|------------|---------------------|---|---|---|-----|
| | | | | | Nominal Lumens | U | V | G | LPW |
| 1 (10 LEDs) | 700 | 10A700/-K | 24W | SR2 | 2005 | 1 | 0 | 1 | 84 |
| | | | | SR3 | 2029 | 1 | 0 | 1 | 84 |
| | | | | SR4 | 1959 | 1 | 0 | 1 | 82 |
| 2 (20 LEDs) | 700 | 10A700/-K | 47W | SR2 | 3944 | 1 | 0 | 1 | 84 |
| | | | | SR3 | 4028 | 1 | 0 | 1 | 86 |
| | | | | SR4 | 3851 | 1 | 0 | 1 | 82 |

1 See electrical load chart for 347/480V system watts.

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

| Ambient | Lumen Multiplier | |
|---------|------------------|------|
| 0°C | 32°F | 1.10 |
| 10°C | 50°F | 1.06 |
| 20°C | 68°F | 1.02 |
| 25°C | 77°F | 1.00 |
| 30°C | 86°F | 0.98 |
| 40°C | 104°F | 0.92 |

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the WST LED 2 10A700 platform in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LMF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

| Operating Hours | 0 | 25,000 | 50,000 | 100,000 |
|--------------------------|-----|--------|--------|---------|
| Lumen Maintenance Factor | 1.0 | 0.94 | 0.88 | 0.77 |

Electrical Load

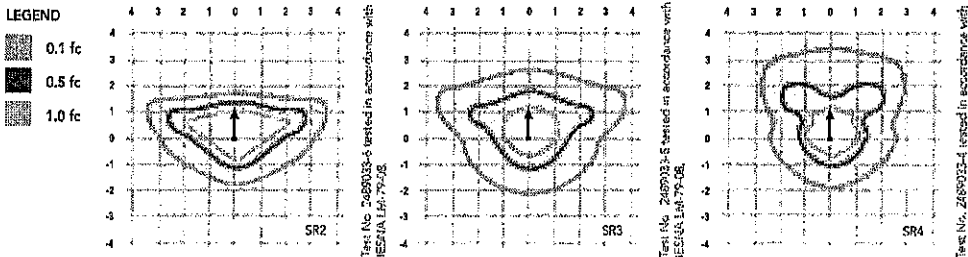
| Light Engines | Drive Current (mA) | System Watts | Current (A) | | | | | |
|---------------|--------------------|--------------|-------------|------|------|------|------|------|
| | | | 120 | 208 | 240 | 277 | 347 | 480 |
| 1 | 700 | 24W | 0.24 | 0.14 | 0.12 | 0.1 | - | - |
| | | 29W1 | - | - | - | - | 0.09 | 0.07 |
| 2 | 700 | 47W | 0.44 | 0.27 | 0.23 | 0.20 | - | - |
| | | 53W1 | - | - | - | - | 0.17 | 0.12 |

1 Higher wattage is due to electrical losses from step-down transformer.

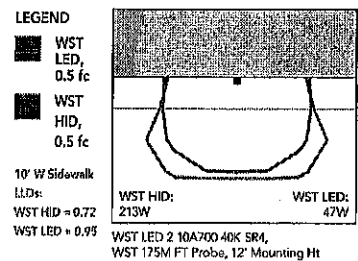
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's WST LED homepage.

Footcandle plots for the WST LED 2 10A700/40K SR2, SR3, and SR4. Distances are in units of mounting height (12').



Distribution overlay comparison to 175W metal halide.



FEATURES & SPECIFICATIONS

INTENDED USE

The classic architectural shape of the WST LED was designed for applications such as hospitals, schools, malls, restaurants, and commercial buildings. The long life LEDs and driver make this luminaire nearly maintenance-free.

CONSTRUCTION

The single-piece die-cast aluminum housing integrates secondary heat sinks to optimize thermal transfer from the internal light engine heat sinks and promote long life. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP65 rating for the luminaire.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

OPTICS

Precision-molded acrylic lenses are engineered for superior distribution, uniformity, and spacing in wall-mount applications. Light engines are 4000K (70 CRI). The WST LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine(s) consist of 10 high-efficacy LEDs mounted to a metal core circuit board and integral aluminum heat sinks to maximize heat dissipation and promote long life (100,000 hrs at 25°C, L77). Class 2 electronic driver has a power factor >90%, THD <20%. Easily-serviceable surge protection device meets a minimum Category B (per ANSI/IEEE C62.41.2).

INSTALLATION

A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections. The integral bubble level on the mounting plate provides assistance for level placement on every installation.

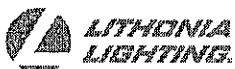
LISTINGS

CSA certified to U.S. and Canadian standards. Light engines are IP65 rated; luminaire is IP65 rated and suitable for wet locations when mounted with the lenses down. WLU option (coming soon) offers wet location listing in "up" orientation. Rated for -30°C minimum ambient.

WARRANTY

Five year limited warranty. Full warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

Note: Specifications subject to change without notice.



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| | | | | | |
|-------------|--|-----------|--|------|----------|
| Project | | Catalog # | | Type | E |
| Prepared by | | Notes | | Date | |



McGraw-Edison

GWC Galleon Wall

Wall Mount Luminaire

Typical Applications

Exterior Wall • Walkway

MAIN BUILDING AND STUDIO 2

LIGHT ABOVE EXTERIOR DRIVE IN DOORS, TYP.

Interactive Menu

- Ordering Information [page 2](#)
- Product Specifications [page 2](#)
- Optical Configurations [page 3](#)
- Energy and Performance Data [page 4](#)
- Control Options [page 6](#)

Product Certifications



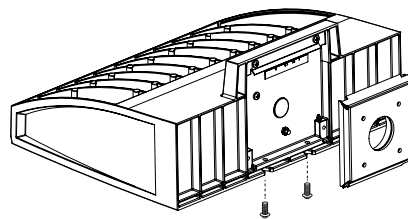
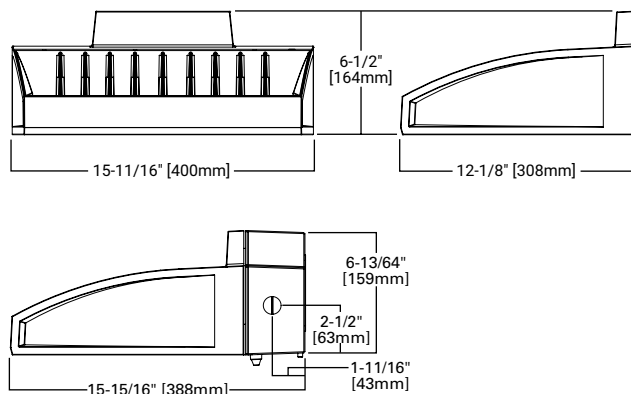
Quick Facts

- Choice of thirteen high-efficiency, patented AccuLED Optics™
- Downward and inverted wall mounting configurations
- Eight lumen packages from 3,215 up to 17,056
- Efficacies up to 154 lumens per watt

Connected Systems

- WaveLinx
- Enlighted

Dimensional Details



Ordering Information

SAMPLE NUMBER: GWC-SA2C-740-U-T4FT-GM

| Product Family ¹ | Light Engine | | Color Temperature | Voltage | Distribution | Finish |
|--|--|---|---|--|--|--|
| | Configuration | Drive Current | | | | |
| GWC=Galleon Wall | SA1=1 Square SA2=2 Squares ² | A=615mA B=800mA C=1000mA D=1200mA ⁴ | 722=70CRI, 2200K 727=70CRI, 2700K 730=70CRI, 3000K 735=70CRI, 3500K 740=70CRI, 4000K 750=70CRI, 5000K 760=70CRI, 6000K 827=80CRI, 2700K 830=80CRI, 3000K AMB=Amber, 590nm ^{3,4} | U=120-277V 1=120V 2=208V 3=240V 4=277V 8=480V ^{6,7} 9=347V ⁶ | T2=Type II T3=Type III T4FT=Type IV Forward Throw T4W=Type IV Wide SL2=Type II w/Spill Control SL3=Type III w/Spill Control SL4=Type IV w/Spill Control SLL=90° Spill Light Eliminator Left SLR=90° Spill Light Eliminator Right RW=Rectangular Wide Type I 5NQ=Type V Square Narrow 5MQ=Type V Square Medium 5WQ=Type V Square Wide | AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White |
| Options (Add as Suffix) | | Controls and Systems Options (Add as Suffix) | | Accessories (Order Separately) | | |
| F=Single Fused (120, 277 or 347V. Must Specify Voltage) FF=Double Fused (208, 240 or 480V. Must Specify Voltage) 10K=10kV Surge Module 20K=20kV UL 1449 Fused Surge Protective Device DIM=External 0-10V Dimming Leads ^{9,10} CBP=Battery Pack with Back Box, Cold Weather Rated ^{2,4,14,33} CBP-CEC=Battery Pack with Back Box, Cold Weather Rated, CEC compliant ^{2,4,14} L90=Optics Rotated 90° Left R90=Optics Rotated 90° Right HSS=Factory Installed House Side Shield ²³ GRSBK=Factory Installed Glare Shield, BK ^{4,27} GRSWH=Factory Installed Glare Shield, WH ^{4,27} UPL=Uplight Housing ¹³ HA=50°C High Ambient ¹² LCF=Light Square Trim Plate Painted to Match Housing ²² MT=Factory Installed Mesh Top CC=Coastal Construction finish ⁵ CE=CE Marking and Small Terminal Block ²⁴ AHD145=After Hours Dim, 5 Hours ¹⁶ AHD245=After Hours Dim, 6 Hours ¹⁶ AHD255=After Hours Dim, 7 Hours ¹⁶ AHD355=After Hours Dim, 8 Hours ¹⁶ DALI=DALI Driver ¹¹ | | BPC=Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Voltage) PR=NEMA 3-PIN Twistlock Photocontrol Receptacle PR7=NEMA 7-PIN Twistlock Photocontrol Receptacle ¹⁵ MS-LXX=Motion Sensor for On/Off Operation ^{17,18,19} MS/DIM-LXX=Motion Sensor for Dimming Operation ^{17,18,19} ZW=WaveLinX-enabled 4-PIN Twistlock Receptacle ^{29,30} ZD=WaveLinX Module with DALI driver and 4-PIN Receptacle ^{29,30} SWPD4XX=WaveLinX Sensor Only, 7'-15' ^{31,32} SWPD5XX=WaveLinX Sensor Only, 15'-40' ^{31,32} WOBXX=WaveLinX Sensor with Bluetooth, 7'-15' ^{31,32} WOFXX=WaveLinX Sensor with Bluetooth, 15'-40' ^{31,32} LWR-LW=Enlighted Wireless Sensor, Wide Lens for 8'-16' Mounting Height ^{19,20,21} LWR-LN=Enlighted Wireless Sensor, Narrow Lens for 16'-40' Mounting Height ^{19,20,21} | | OA/RA1013=Photocontrol Shorting Cap ²⁸ OA/RA1016=NEMA Photocontrol - Multi-Tap 105-285V ²⁸ OA/RA1201=NEMA Photocontrol - 347V ²⁸ OA/RA1027=NEMA Photocontrol - 480V ²⁸ MA1252=10kV Circuit Module Replacement MA1059XX=Thru-branch Back Box (Must Specify Color) LS/HSS=Field Installed House Side Shield ^{23,25} LS/GRSBK=Glare Shield, Black ^{8,25,27} LS/GRSWH=Glare Shield, White ^{8,25,27} LS/PFS=Perimeter Shield, Black FSIR-100=Wireless Configuration Tool for Occupancy Sensor ¹⁷ WOLC-7P-10A=WaveLinX Outdoor Control Module (7-pin) ^{26,29} SWPD4-XX=WaveLinX Wireless Sensor, 7' - 15' Mounting Height ^{29,30,31,32} SWPD5-XX=WaveLinX Wireless Sensor, 15' - 40' Mounting Height ^{29,30,31,32} | | |
| NOTES: 1. DesignLight Consortium® Qualified. Refer to www.designlights.org, Qualified Products List under Family Models for details. 2. Two light squares with CBP options limited to 25°C. Not available in combination with sensor options at 1200mA. 3. Narrow-band 590nm +/- 5nm for wildlife and observatory use. Choose drive current A; supplied at 500mA drive current only. Available with 5WQ, 5MQ, SL2, SL3 and SL4 distributions. Can be used with HSS option. 4. Not available with HA option. 5. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654. 6. Require the use of a step down transformer. Not available in combination with sensor options at 1200mA. 7. 480V must use Wye system only. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems). 8. Reserved. 9. Cannot be used with other control options. 10. Low voltage control leads extended 18" from fixture. 11. Not available in 1200mA. When used with CBP or HA options, only available with single light square. 12. Not available in 1200mA, UPL or CBP options. Available with single light square. 13. Not available with SL2, SL3, SL4, HA, CBP, PR or PR7 options. 14. Operates a single light square only. Operates at -20°C to +40°C. Backbox is non-IP rated. Control option limited to BPC. 15. Compatible with standard 3-PIN photocontrols, 5-PIN or 7-PIN ANSI controls. 16. Requires the use of BPC photocontrol or the PR7 or PR photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental guide for additional information. 17. The FSIR-100 configuration tool is required to adjust parameters such as high and low modes, sensitivity, time delay and cutoff. Consult your lighting representative at Cooper Lighting Solutions for more information. 18. Replace LXX with L08 (<8' mounting), L20 (8'-20' mounting) or L40W (21'-40' mounting). 19. Includes integral photosensor. 20. Enlighted wireless sensors are factory installed requiring network components in appropriate quantities. 21. Bronze sensor is shipped with Bronze fixtures. White sensor shipped on all other housing color options. 22. Not available with HSS or GRS options. 23. Not for use with 5NQ, 5MQ, 5WQ or RW optics. The light square trim plate is painted black when the HSS option is selected. 24. CE is not available with the 1200, DALI, LWR, MS, MS/DIM, BPC, PR or PR7 options. Available in 120-277V only. 25. One required for each light square. 26. Requires PR7. 27. Not for use with T4FT, T4W or SL4 optics. 29. Cannot be used in conjunction with additional photocontrol or other controls systems (BPC, PR, PR7, MS, LWR). 30. WAC Gateway required to enable field-configurability: Order WAC-PoE and WPOE-120 (10V to PoE injector) power supply if needed. 31. Requires ZW or ZD receptacle. 32. Replace XX with sensor color (WH, BZ, or BK). 33. Specify 120V or 277V. | | | | | | |

Product Specifications

Construction

- Driver enclosure thermally isolated from optics for optimal thermal performance
- Die-cast aluminum heat sinks
- IP66 rated housing
- 1.5G vibration rated

Optics

- Patented, high-efficiency injection-molded AccuLED Optics technology
- 13 optical distributions
- IDA Certified (3000K CCT and warmer only)

Electrical

- LED driver assembly mounted for ease of maintenance
- Standard with 0-10V dimming
- Optional 10kV or 20kV surge module
- Suitable for operation in -40C to 40C ambient environments. Optional 50C high ambient (HA) configuration.

Mounting

- Gasketed and zinc plated rigid steel mounting attachment
- "Hook-N-Lock" mechanism for easy installation

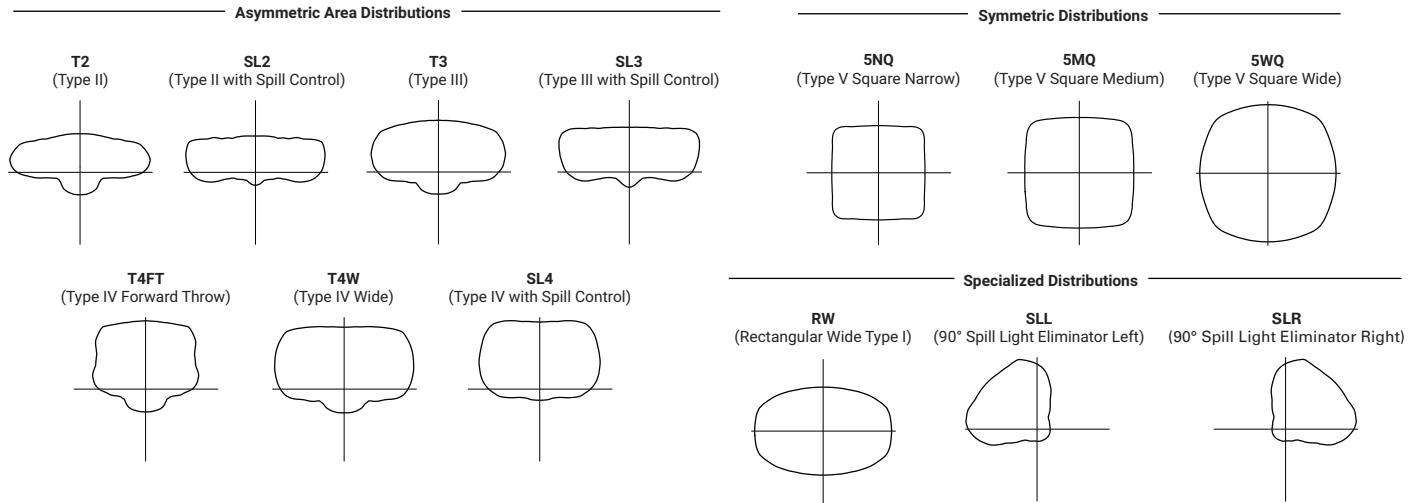
Finish

- Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness
- Heat sink is powder coated black
- RAL and custom color matches available
- Coastal Construction (CC) option available

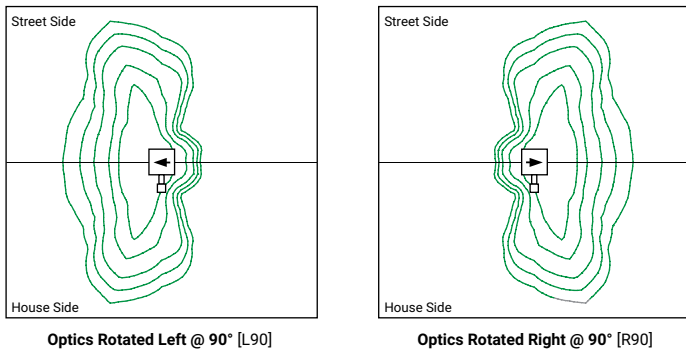
Warranty

- Five-year warranty

Optical Distributions



Optic Orientation



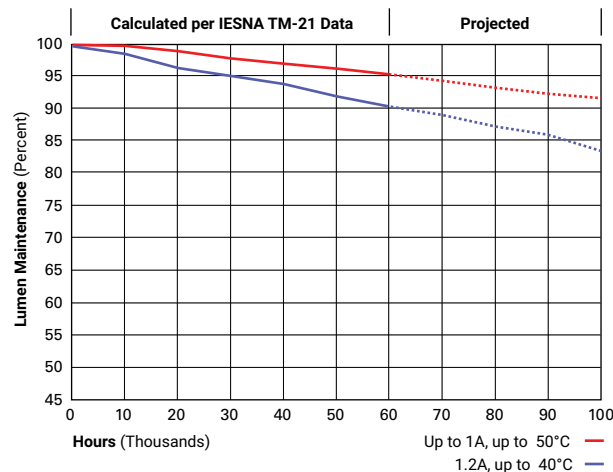
Energy and Performance Data

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 |

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 |



Energy and Performance Data

 View GWC Galleon Wall IES files

4000K/5000K/6000K CCT, 70 CRI

| Number of Light Squares | | 1 | | | | 2 | | | |
|--------------------------|-----------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Drive Current | | 615mA | 800mA | 1050mA | 1.2A | 615mA | 800mA | 1050mA | 1.2A |
| Nominal Power (Watts) | | 34 | 44 | 59 | 67 | 66 | 86 | 113 | 129 |
| Input Current @ 120V (A) | | 0.30 | 0.39 | 0.51 | 0.58 | 0.58 | 0.77 | 1.02 | 1.16 |
| Input Current @ 208V (A) | | 0.17 | 0.22 | 0.29 | 0.33 | 0.34 | 0.44 | 0.56 | 0.63 |
| Input Current @ 240V (A) | | 0.15 | 0.19 | 0.26 | 0.29 | 0.30 | 0.38 | 0.48 | 0.55 |
| Input Current @ 277V (A) | | 0.14 | 0.17 | 0.23 | 0.25 | 0.28 | 0.36 | 0.42 | 0.48 |
| Input Current @ 347V (A) | | 0.11 | 0.15 | 0.17 | 0.20 | 0.19 | 0.24 | 0.32 | 0.39 |
| Input Current @ 480V (A) | | 0.08 | 0.11 | 0.14 | 0.15 | 0.15 | 0.18 | 0.24 | 0.30 |
| Optics | | | | | | | | | |
| T2 | Lumens | 4,883 | 5,989 | 7,412 | 8,131 | 9,543 | 11,703 | 14,485 | 15,891 |
| | BUG Rating | B1-U0-G1 | B1-U0-G2 | B1-U0-G2 | B1-U0-G2 | B2-U0-G2 | B2-U0-G2 | B2-U0-G3 | B2-U0-G3 |
| | Lumens per Watt | 144 | 136 | 126 | 121 | 145 | 136 | 128 | 123 |
| T3 | Lumens | 4,978 | 6,105 | 7,556 | 8,288 | 9,729 | 11,929 | 14,764 | 16,196 |
| | BUG Rating | B1-U0-G1 | B1-U0-G2 | B1-U0-G2 | B1-U0-G2 | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B2-U0-G3 |
| | Lumens per Watt | 146 | 139 | 128 | 124 | 147 | 139 | 131 | 126 |
| T4FT | Lumens | 5,008 | 6,140 | 7,599 | 8,337 | 9,783 | 11,998 | 14,850 | 16,290 |
| | BUG Rating | B1-U0-G2 | B1-U0-G2 | B1-U0-G3 | B1-U0-G3 | B2-U0-G3 | B2-U0-G3 | B2-U0-G3 | B2-U0-G3 |
| | Lumens per Watt | 147 | 140 | 129 | 124 | 148 | 140 | 131 | 126 |
| T4W | Lumens | 4,942 | 6,060 | 7,502 | 8,229 | 9,658 | 11,843 | 14,658 | 16,080 |
| | BUG Rating | B1-U0-G2 | B1-U0-G2 | B1-U0-G2 | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B2-U0-G3 | B3-U0-G3 |
| | Lumens per Watt | 145 | 138 | 127 | 123 | 146 | 138 | 130 | 125 |
| SL2 | Lumens | 4,874 | 5,979 | 7,399 | 8,117 | 9,528 | 11,684 | 14,461 | 15,863 |
| | BUG Rating | B1-U0-G2 | B1-U0-G2 | B1-U0-G2 | B2-U0-G3 | B2-U0-G3 | B2-U0-G3 | B2-U0-G3 | B3-U0-G3 |
| | Lumens per Watt | 143 | 136 | 125 | 121 | 144 | 136 | 128 | 123 |
| SL3 | Lumens | 4,976 | 6,104 | 7,555 | 8,287 | 9,727 | 11,927 | 14,763 | 16,194 |
| | BUG Rating | B1-U0-G2 | B1-U0-G2 | B1-U0-G2 | B1-U0-G3 | B1-U0-G3 | B2-U0-G3 | B2-U0-G3 | B2-U0-G3 |
| | Lumens per Watt | 146 | 139 | 128 | 124 | 147 | 139 | 131 | 126 |
| SL4 | Lumens | 4,729 | 5,799 | 7,178 | 7,873 | 9,239 | 11,333 | 14,025 | 15,387 |
| | BUG Rating | B1-U0-G2 | B1-U0-G2 | B1-U0-G3 | B1-U0-G3 | B1-U0-G3 | B1-U0-G3 | B2-U0-G4 | B2-U0-G4 |
| | Lumens per Watt | 139 | 132 | 122 | 118 | 140 | 132 | 124 | 119 |
| 5NQ | Lumens | 5,134 | 6,296 | 7,793 | 8,547 | 10,033 | 12,303 | 15,226 | 16,704 |
| | BUG Rating | B2-U0-G1 | B2-U0-G1 | B3-U0-G1 | B3-U0-G1 | B3-U0-G1 | B3-U0-G1 | B3-U0-G2 | B3-U0-G2 |
| | Lumens per Watt | 151 | 143 | 132 | 128 | 152 | 143 | 135 | 129 |
| 5MQ | Lumens | 5,228 | 6,412 | 7,935 | 8,705 | 10,216 | 12,529 | 15,508 | 17,011 |
| | BUG Rating | B3-U0-G1 | B3-U0-G1 | B3-U0-G2 | B3-U0-G2 | B3-U0-G2 | B4-U0-G2 | B4-U0-G2 | B4-U0-G2 |
| | Lumens per Watt | 154 | 146 | 134 | 130 | 155 | 146 | 137 | 132 |
| 5WQ | Lumens | 5,242 | 6,428 | 7,956 | 8,728 | 10,244 | 12,563 | 15,548 | 17,056 |
| | BUG Rating | B3-U0-G1 | B3-U0-G2 | B3-U0-G2 | B3-U0-G2 | B4-U0-G2 | B4-U0-G2 | B4-U0-G2 | B4-U0-G2 |
| | Lumens per Watt | 154 | 146 | 135 | 130 | 155 | 146 | 138 | 132 |
| SLL/SLR | Lumens | 4,373 | 5,365 | 6,640 | 7,283 | 8,547 | 10,481 | 12,973 | 14,231 |
| | BUG Rating | B1-U0-G2 | B1-U0-G2 | B1-U0-G2 | B1-U0-G3 | B1-U0-G3 | B2-U0-G3 | B2-U0-G3 | B2-U0-G3 |
| | Lumens per Watt | 129 | 122 | 113 | 109 | 130 | 122 | 115 | 110 |
| RW | Lumens | 5,087 | 6,238 | 7,721 | 8,472 | 9,941 | 12,190 | 15,088 | 16,553 |
| | BUG Rating | B2-U0-G1 | B3-U0-G1 | B3-U0-G1 | B3-U0-G1 | B3-U0-G1 | B3-U0-G2 | B4-U0-G2 | B4-U0-G2 |
| | Lumens per Watt | 150 | 142 | 131 | 126 | 151 | 142 | 134 | 128 |

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

3000K CCT, 80 CRI

| Number of Light Squares | | 1 | | | | 2 | | | |
|--------------------------|-----------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Drive Current | | 615mA | 800mA | 1050mA | 1.2A | 615mA | 800mA | 1050mA | 1.2A |
| Nominal Power (Watts) | | 34 | 44 | 59 | 67 | 66 | 86 | 113 | 129 |
| Input Current @ 120V (A) | | 0.30 | 0.39 | 0.51 | 0.58 | 0.58 | 0.77 | 1.02 | 1.16 |
| Input Current @ 208V (A) | | 0.17 | 0.22 | 0.29 | 0.33 | 0.34 | 0.44 | 0.56 | 0.63 |
| Input Current @ 240V (A) | | 0.15 | 0.19 | 0.26 | 0.29 | 0.30 | 0.38 | 0.48 | 0.55 |
| Input Current @ 277V (A) | | 0.14 | 0.17 | 0.23 | 0.25 | 0.28 | 0.36 | 0.42 | 0.48 |
| Input Current @ 347V (A) | | 0.11 | 0.15 | 0.17 | 0.20 | 0.19 | 0.24 | 0.32 | 0.39 |
| Input Current @ 480V (A) | | 0.08 | 0.11 | 0.14 | 0.15 | 0.15 | 0.18 | 0.24 | 0.30 |
| Optics | | | | | | | | | |
| T2 | Lumens | 3,880 | 4,759 | 5,890 | 6,461 | 7,583 | 9,300 | 11,510 | 12,628 |
| | BUG Rating | B1-U0-G1 | B1-U0-G1 | B1-U0-G2 | B1-U0-G2 | B1-U0-G2 | B1-U0-G2 | B2-U0-G2 | B2-U0-G3 |
| | Lumens per Watt | 114 | 108 | 100 | 96 | 115 | 108 | 102 | 98 |
| T3 | Lumens | 3,956 | 4,851 | 6,004 | 6,586 | 7,731 | 9,479 | 11,732 | 12,870 |
| | BUG Rating | B1-U0-G1 | B1-U0-G1 | B1-U0-G2 | B1-U0-G2 | B1-U0-G2 | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 |
| | Lumens per Watt | 116 | 110 | 102 | 98 | 117 | 110 | 104 | 100 |
| T4FT | Lumens | 3,980 | 4,879 | 6,038 | 6,625 | 7,774 | 9,534 | 11,800 | 12,945 |
| | BUG Rating | B1-U0-G2 | B1-U0-G2 | B1-U0-G2 | B1-U0-G2 | B1-U0-G3 | B2-U0-G3 | B2-U0-G3 | B2-U0-G3 |
| | Lumens per Watt | 117 | 111 | 102 | 99 | 118 | 111 | 104 | 100 |
| T4W | Lumens | 3,927 | 4,816 | 5,961 | 6,539 | 7,675 | 9,411 | 11,648 | 12,778 |
| | BUG Rating | B1-U0-G1 | B1-U0-G2 | B1-U0-G2 | B1-U0-G2 | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B2-U0-G3 |
| | Lumens per Watt | 116 | 109 | 101 | 98 | 116 | 109 | 103 | 99 |
| SL2 | Lumens | 3,873 | 4,751 | 5,880 | 6,450 | 7,571 | 9,285 | 11,491 | 12,605 |
| | BUG Rating | B1-U0-G2 | B1-U0-G2 | B1-U0-G2 | B1-U0-G2 | B1-U0-G3 | B2-U0-G3 | B2-U0-G3 | B2-U0-G3 |
| | Lumens per Watt | 114 | 108 | 100 | 96 | 115 | 108 | 102 | 98 |
| SL3 | Lumens | 3,954 | 4,851 | 6,004 | 6,585 | 7,729 | 9,478 | 11,731 | 12,868 |
| | BUG Rating | B1-U0-G2 | B1-U0-G2 | B1-U0-G2 | B1-U0-G2 | B1-U0-G2 | B1-U0-G3 | B2-U0-G3 | B2-U0-G3 |
| | Lumens per Watt | 116 | 110 | 102 | 98 | 117 | 110 | 104 | 100 |
| SL4 | Lumens | 3,758 | 4,608 | 5,704 | 6,256 | 7,342 | 9,006 | 11,145 | 12,227 |
| | BUG Rating | B1-U0-G2 | B1-U0-G2 | B1-U0-G2 | B1-U0-G3 | B1-U0-G3 | B1-U0-G3 | B1-U0-G3 | B1-U0-G3 |
| | Lumens per Watt | 111 | 105 | 97 | 93 | 111 | 105 | 99 | 95 |
| 5NQ | Lumens | 4,080 | 5,003 | 6,193 | 6,792 | 7,973 | 9,776 | 12,099 | 13,274 |
| | BUG Rating | B2-U0-G0 | B2-U0-G1 | B2-U0-G1 | B2-U0-G1 | B3-U0-G1 | B3-U0-G1 | B3-U0-G1 | B3-U0-G2 |
| | Lumens per Watt | 120 | 114 | 105 | 101 | 121 | 114 | 107 | 103 |
| 5MQ | Lumens | 4,154 | 5,095 | 6,305 | 6,917 | 8,118 | 9,956 | 12,323 | 13,518 |
| | BUG Rating | B2-U0-G1 | B3-U0-G1 | B3-U0-G1 | B3-U0-G1 | B3-U0-G2 | B3-U0-G2 | B4-U0-G2 | B4-U0-G2 |
| | Lumens per Watt | 122 | 116 | 107 | 103 | 123 | 116 | 109 | 105 |
| 5WQ | Lumens | 4,166 | 5,108 | 6,322 | 6,936 | 8,140 | 9,983 | 12,355 | 13,553 |
| | BUG Rating | B3-U0-G1 | B3-U0-G1 | B3-U0-G1 | B3-U0-G2 | B3-U0-G2 | B4-U0-G2 | B4-U0-G2 | B4-U0-G2 |
| | Lumens per Watt | 123 | 116 | 107 | 104 | 123 | 116 | 109 | 105 |
| SLL/SLR | Lumens | 3,475 | 4,263 | 5,276 | 5,787 | 6,792 | 8,329 | 10,309 | 11,309 |
| | BUG Rating | B1-U0-G2 | B1-U0-G2 | B1-U0-G2 | B1-U0-G2 | B1-U0-G3 | B1-U0-G3 | B2-U0-G3 | B2-U0-G3 |
| | Lumens per Watt | 102 | 97 | 89 | 86 | 103 | 97 | 91 | 88 |
| RW | Lumens | 4,042 | 4,957 | 6,135 | 6,732 | 7,900 | 9,687 | 11,990 | 13,154 |
| | BUG Rating | B2-U0-G1 | B2-U0-G1 | B3-U0-G1 | B3-U0-G1 | B3-U0-G1 | B3-U0-G1 | B3-U0-G2 | B3-U0-G2 |
| | Lumens per Watt | 119 | 113 | 104 | 100 | 120 | 113 | 106 | 102 |

Control Options

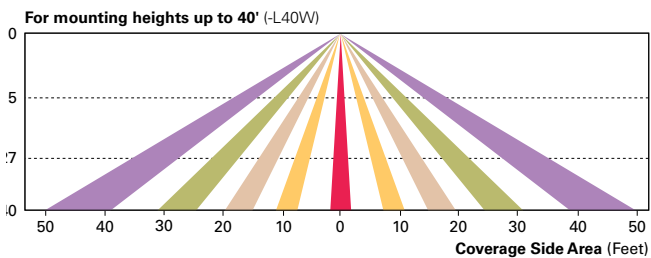
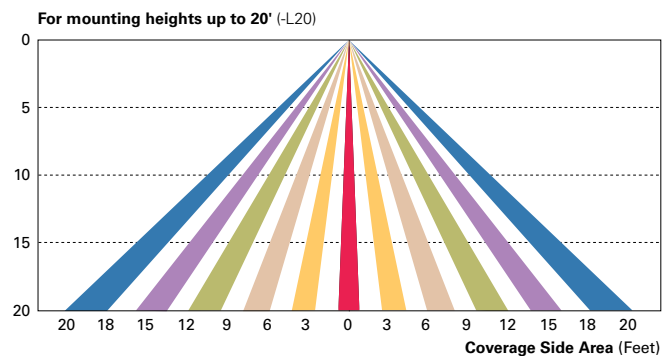
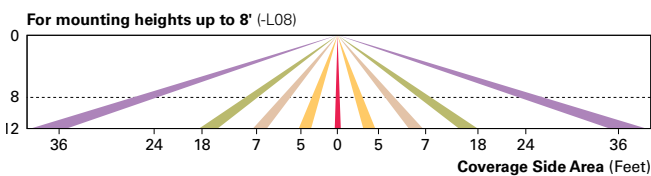
0-10V This fixture is offered standard with 0-10V dimming driver(s). The DIM option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

Photocontrol (BPC, PR, and PR7) Optional button-type photocontrol (BPC) and photocontrol receptacles (PR and PR7) 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 PR7 receptacle.

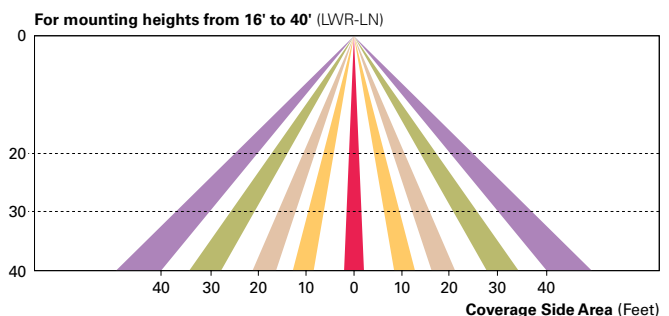
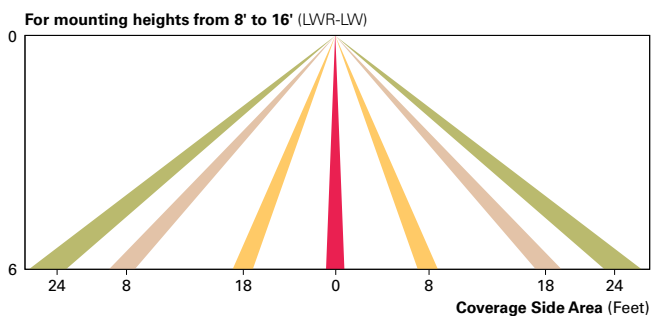
After Hours Dim (AHD) This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a “dusk-to-dawn” period has been calculated from the photocontrol input. Specify the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

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

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



Enlighted Wireless Control and Monitoring System (LWR-LW and LWR-LN) The Enlighted control system is a connected lighting solution, combining LED luminaires with an integrated wireless sensor system. The sensor controls the lighting system in compliance with the latest energy codes while collecting valuable data about building performance and use. Software applications utilizing energy dashboards maximize data inputs to help optimize the use of other 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.

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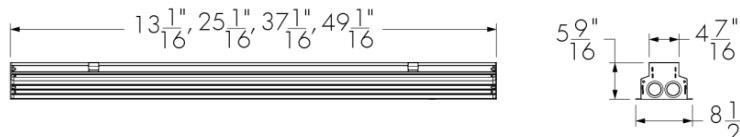
MAIN BUILDING
COLOR-CHANGE WALL
WASH LIGHTING FOR CONC.
TILT WALLS AT MAIN ENTRY



Project Name _____ Qty _____
 Type _____ Catalog / Part Number _____



Top view



Front and side views

Photometric Summary

| Delivered output (lm) | Intensity (peak cd) |
|-----------------------|---------------------|
| 810 | 316 |

Based on 4000K, 4ft [1219mm] configuration.
 Photometric performance is measured in compliance with IESNA LM-79-08.

Optics



Direct view

Colors and Color Temperatures



Controls



Ratings

IP68 IK10

Certifications



Description

The Lumenfacade Inground Direct View is an LED luminaire designed for ground-recessed lighting applications, including asymmetric wall washing, grazing, and linear wayfinding. An innovative, plug and play design simplifies installation, protecting the system from water infiltration and ensuring long-lasting performance. Featuring second generation LED technology, the Lumenfacade Inground is available in four different sizes (12 in, 24 in, 36 in or 48 in), with a wide choice of outputs, color temperatures, color-mixing systems, optics and controls. A unique asymmetric wallwash distribution is also available, providing exceptional uniformity and brightness for walls and signage.

Features

| | |
|------------------------------------|---|
| Construction | Walk over compliant up to 500 kg in any type of ground, Walk over compliant up to 1000 kg in concrete |
| Color and Color Temperature | 2200K, 2700K, 3000K, 3500K, 4000K, Red, Green, Blue |
| Length (nominal) | 12 in, 24 in, 36 in, 48 in |
| Optics | Direct view |
| Options | Anti-slip lens, CE (certification covers European Economic Area) |
| Power Consumption | 5 W/ft, Typically 20% higher for 12 in fixture lengths |
| Warranty | 5-year limited warranty |

Performance

| | |
|--------------------------|---------------------------------|
| Color Consistency | 2 SDCM, 3 SDCM (2200K) |
| Color Rendering | Minimum CRI 80 |
| Lumen Maintenance | L70 280,000 hrs, L95 35,000 hrs |

Physical

| | |
|---------------------------------|--|
| Optical Chamber Material | Aluminum |
| Blockout Material | Polymer recycled PVC reinforced with a stainless steel frame |

| | |
|--------------------------|---|
| Trim Material | Anodized aluminum |
| Lens Material | Frosted glass |
| End Cap Material | Die cast aluminum |
| Hardware Material | Stainless steel |
| Weight | 12 in: 7.5 lbs, 24 in: 15.3 lbs, 36 in: 21.4 lbs, 48 in: 27 lbs |

Electrical and control

| | |
|-------------------------------|---|
| Voltage | 120 to 277 volts |
| Fixture Cable | Power and data in one cable |
| Leader Cable Conductor | 5C #16-5 |
| Connectors | IP68 push-lock |
| Control | On/Off control, Lumentalk, 0-10V dimming, DALI dimming, Lutron® EcoSystem® Enabled dimming, DMX/RDM enabled |
| Resolution (DMX/RDM) | Per foot or per fixture (configured with LumenID V3 software), 8-bit or 16-bit |

Environmental

| | |
|----------------------------------|--|
| Storage Temperature | -40 °F to 185 °F (device must reach start-up temperature value before operating) |
| Start-up Temperature | -13 °F to 122 °F |
| Operating Temperature | -40 °F to 122 °F |
| Ingress Protection Rating | IP68 rated for up to 1 ft, not suitable for permanent immersion applications |
| Impact Resistance Rating | IK10 |

Accessories (order separately)

| | |
|--|---|
| Cables | Lumenfacade Inground Leader Cable, Lumenfacade Inground Jumper Cable |
| Electrical Accessories | Lumenfacade Inground Junction Box |
| Control Boxes | DMX/RDM enabled (daisy chain or star configuration), Ethernet enabled (daisy chain or star configuration) |
| Control Systems | Lumentone™ 2, Pharos® kit |
| Diagnostic and Addressing Tools | LumenID, LumentalkID |

Cables (order separately)

LOILC - Leader cable for Lumenfacade Inground



LOILC-CERTIFICATION-LENGTH

Please specify:

CERTIFICATION: UL or CE; **LENGTH:** 10 ft, 25 ft or 50 ft

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

LOIJC - Jumper cable for Lumenfacade Inground



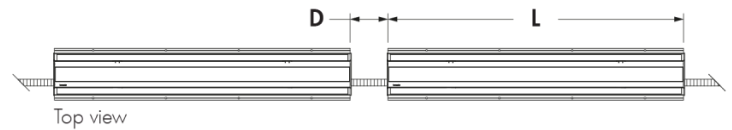
LOIJC-CERTIFICATION-LENGTH

Please specify:

CERTIFICATION: UL or CE; **LENGTH:** 2 ft, 4 ft or 10 ft

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

Jumper cable length selection



D - distance between two fixtures

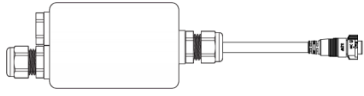
L - length of fixture

Add the length of one fixture to the distance between two fixtures: $L + D$. Order the next longest jumper cable available: 2 ft, 4 ft or 10 ft.

Example: if the distance between two 4 ft fixtures is 0.5 ft, $L + D = 4.5$ ft, therefore a 10 ft jumper cable is required.

Electrical accessories (order separately)

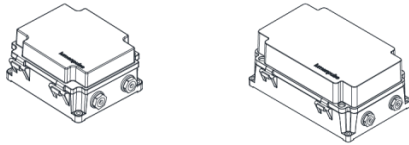
LOI-JBOX - Lumenfacade Inground Junction Box



Lumenfacade Inground IP68 sealed junction box starter kit. Use for stand alone fixtures and/or first of run installations. The LOI-JBOX accessory does not fit in 12 in fixtures.

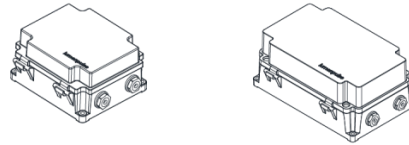
Control boxes (order separately)

CBX-DMX/RDM - DMX/RDM enabled (daisy chain or star configuration)



DMX/RDM control box. Up to six power and data outputs to fixtures or fixture runs. Consult CBX specification sheet and installation instructions for details. Lumeterminators provided with CBX (2x for daisy chain configuration, 6x for star configuration), consult factory to order spares.

CBX-ENET - Ethernet enabled (daisy chain or star configuration)



Ethernet control box. Up to four power and data outputs to fixture or fixture runs. Consult Ethernet CBX specification sheet and installation instructions for details.

Control systems (order separately)

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 (order separately)

LID - LumenID



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

LID-LT - LumentalkID

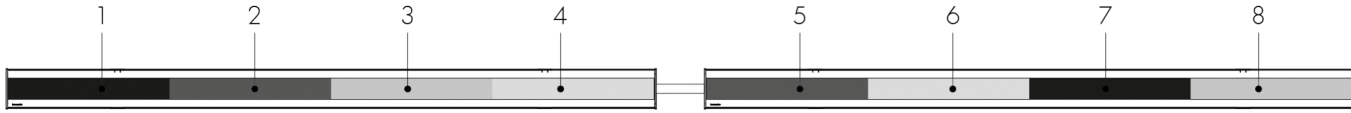


LumentalkID is a diagnostic and addressing tool. It must be specified for all Lumentalk (LT) applications. Consult LID-LT specification sheet for details.

Resolution details

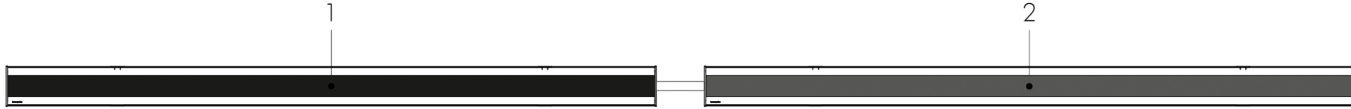
DMX/RDM control, resolution per foot: each 12 in section is addressed independently

DMX addresses:



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

DMX addresses:



- 48 in fixtures shown.

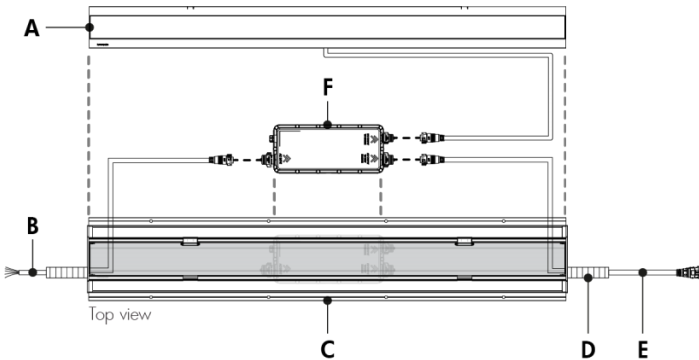
- Applicable for DMX/RDM control option only. Fixture resolution can be configured on-site within the LumenID V3 software. A DMX/RDM enabled CBX is required.

Typical wiring diagrams

Wiring color code

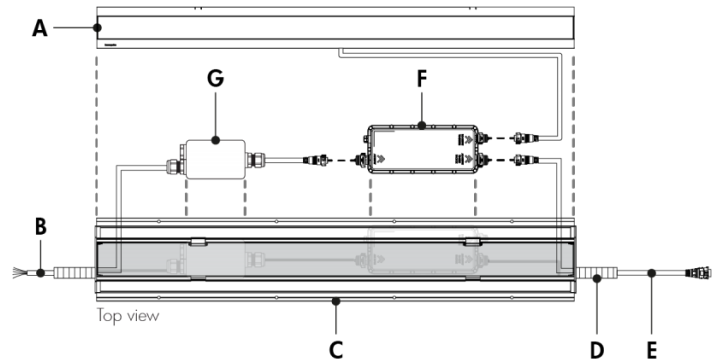
| UL Color Code | USE |
|---------------|----------------|
| Green | Ground |
| Black | Line |
| White | Line/Neutral |
| Red or Purple | 0-10V / Data + |
| Orange | 0-10V / Data - |

Typical installation with leader cable



- A - Optical chamber
- B - Leader cable (LOILC, order separately)
- C - Blockout
- D - Conduit (by others)
- E - Jumper cable to next fixture (LOIJC, order separately, for continuous run installations)
- F - PACBOX

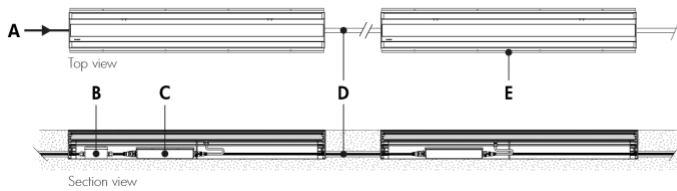
Typical installation with IP68 LOI-JBOX accessory



- A - Optical chamber
- B - Power and data input cable (by others)
- C - Blockout
- D - Conduit (by others)
- E - Jumper cable to next fixture (LOIJC, order separately, for continuous run installations)
- F - PACBOX
- G - IP68 LOI-JBOX (order separately)

The IP68 LOI-JBOX accessory cannot be used with 12 in fixtures.

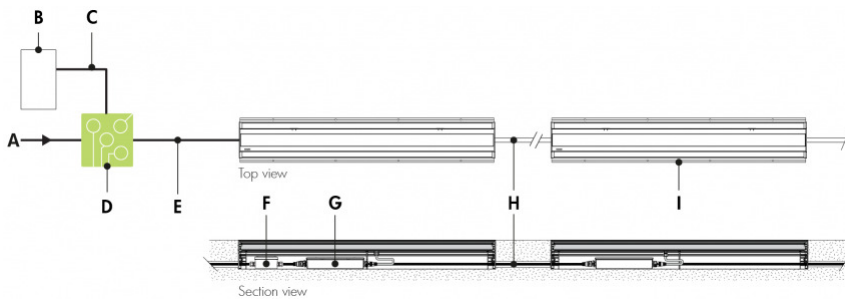
On/Off Control (NO)



- A** - Power input (120-277V, wiring by others)
- B** - IP68 LOI-JBOX (optional)
- C** - PACBOX
- D** - Jumper cable (LOIJC)
- E** - Lumenfacade Inground

- Consult the installation instructions for additional wiring details.
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- 5 W/ft.

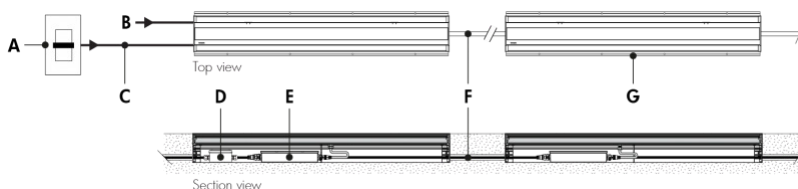
Lumentalk (LT)



- A** - Power input (100-277V AC, wiring by others)
- B** - Dimmer/controller (order separately from Lumenpulse, or by others)
- C** - Data wiring (by others)
- D** - Lumentranslator 2 (LTL2-DIM, -DMX, -TRIAC, -DALI)
- E** - Power wiring (by others)
- F** - IP68 LOI-JBOX (optional)
- G** - PACBOX
- H** - Jumper cable (LOIJC)
- I** - Lumenfacade Inground

- Consult the installation instructions for additional wiring details.
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Lumentalk enabled fixtures must be commissioned using LumentalkID software and a LID-LT. Consult factory for details.
- Maximum of 1 transmitter (Lumentranslator or Lumenlink) per system.
- No third party fixtures allowed on the same circuit.
- For DMX applications: 1 DMX controller per Lumentalk network, maximum of 48 DMX channels per Lumentalk network (minimum step transition update rate is 1 second, minimum fade time between two colors is 1 minute). Consult factory for applications that require additional capabilities.
- Consult factory for DALI Lumentalk applications.
- 1% minimum dimming value.
- 5 W/ft.

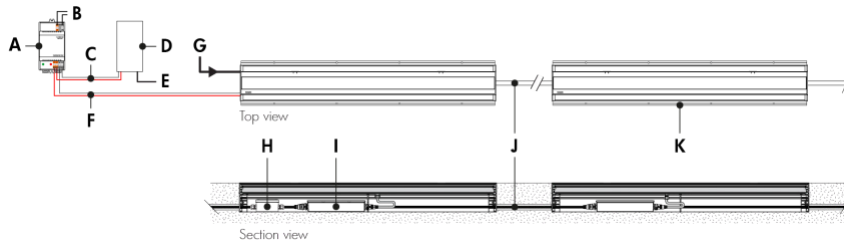
0-10V dimming (DIM)



- A** - Dimmer (by others)
- B** - Power input (120-277V, wiring by others)
- C** - Data wiring (by others)
- D** - IP68 LOI-JBOX (optional)
- E** - PACBOX
- F** - Jumper cable (LOIJC)
- G** - Lumenfacade Inground

- Consult the installation instructions for additional wiring details.
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- 0-10V mA ratings: passive dimmer (Current Sink): 3 mA per fixture, active dimmer (Current Source): 0.5 mA per fixture.
- 10% minimum dimming value.
- 5 W/ft.

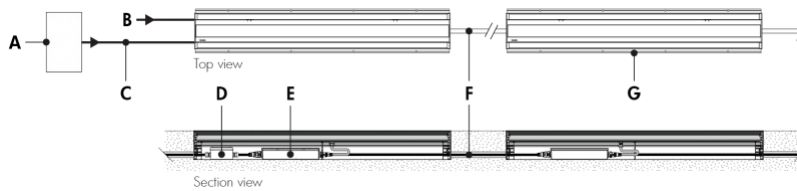
DALI dimming (DALI)



- A** - DALI bus power supply (by others)
- B** - Power input for DALI bus power supply (wiring by others)
- C** - Data output to DALI controller (wiring by others)
- D** - DALI controller (by others)
- E** - Power input for DALI controller (wiring by others)
- F** - Data output to fixture (wiring by others)
- G** - Power input (120-277V, wiring by others)
- H** - IP68 LOI-JBOX (optional)
- I** - PACBOX
- J** - Jumper cable (LOIJC)
- K** - Lumenfacade Inground

- Consult the installation instructions for additional wiring details.
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Maximum of 64 DALI fixtures per DALI loop.
- 1% minimum dimming value.
- 5 W/ft.

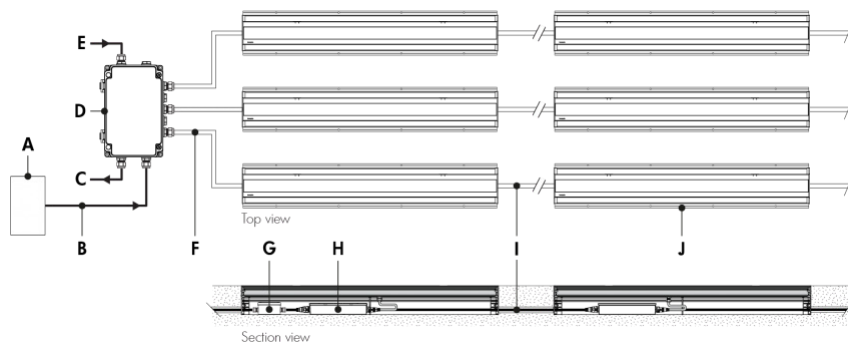
Lutron® EcoSystem® Enabled dimming (ES)



- A** - Lutron® EcoSystem® controller (by others)
- B** - Power input (120-277V, wiring by others)
- C** - Data wiring (by others)
- D** - IP68 LOI-JBOX (optional)
- E** - PACBOX
- F** - Jumper cable (LOIJC)
- G** - Lumenfacade Inground

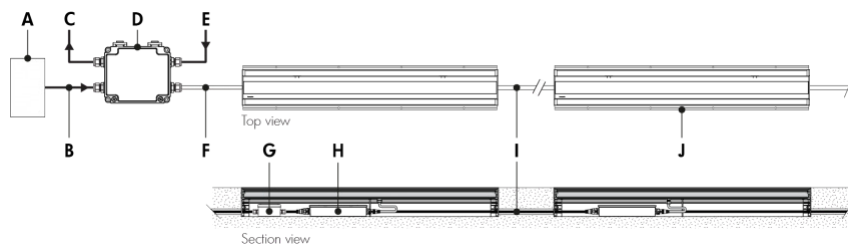
- Consult the installation instructions for additional wiring details.
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Each Lutron® EcoSystem® enabled fixture has its own address; for the example shown, there are a total of 2 EcoSystem® addresses.
- 1% minimum dimming value.
- 5 W/ft.

Star Layout (DMX/RDM)



- A** - DMX/RDM controller (order separately from Lumenpulse, or by others)
- B** - Data input (Belden 9841 or equivalent, by others)
- C** - Data output to next CBX (optional, not isolated/not boosted)
- D** - CBX-ST
- E** - Power input (120-277V, wiring by others)
- F** - Leader cable (LOILC)
- G** - IP68 LOI-JBOX (optional)
- H** - PACBOX
- I** - Jumper cable (LOIJC)
- J** - Lumenfacade Inground

Daisy Chain Layout (DMX/RDM)



- A** - DMX/RDM controller (order separately from Lumenpulse, or by others)
- B** - Data input (Belden 9841 or equivalent, by others)
- C** - Data output to next CBX (optional, not isolated/not boosted)
- D** - CBX-DS
- E** - Power input (120-277V, wiring by others)
- F** - Leader cable (LOILC)
- G** - IP68 LOI-JBOX (optional)
- H** - PACBOX
- I** - Jumper cable (LOIJC)
- J** - Lumenfacade Inground

- Consult the installation instructions for additional wiring details.
- Consult factory for specific applications and maximum fixture count/cable length recommendations. Maximum run length calculations are typically based on 48 in fixtures.
- The DMX/RDM protocol states a maximum of 32 DMX/RDM enabled fixtures on any single run.
- Maximum of 4 DMX/RDM repeaters/CBX cascading in line.
- Maximum of 6 outputs per CBX-ST; maximum of 1 output per CBX-DS.
- Each fixture requires 1 DMX address.
- 1% minimum dimming value.
- 5 W/ft.

How to order

| Housing ^{(1) (2) (3)} | Voltage | Length | Color and Color Temperature ⁽⁴⁾ | Control | Options |
|--|---------------------------------|---|--|---------------------------------------|--|
| LOID Lumenfacade™ Inground Direct View, 5 W/ft | 120/277 120-277 volts | 12 13 1/16 in (7.5 lbs) ⁽³⁾ | 22K 2200K | NO On/Off control | ASL Anti-slip lens CE CE (certification covers European Economic Area) ⁽⁸⁾ |
| | | 24 25 1/16 in (15.3 lbs) | 27K 2700K | LT Lumentalk ⁽⁴⁾ | |
| | | 36 37 1/16 in (21.4 lbs) | 30K 3000K | DIM 0-10V dimming | |
| | | 48 49 1/16 in (27 lbs) | 35K 3500K | DALI DALI dimming | |
| | | 40K 4000K | ES Lutron® EcoSystem® Enabled dimming | | |
| | | RD Red ⁽⁵⁾ | DMX/RDM DMX/RDM enabled ⁽⁷⁾ | | |
| | | GR Green ⁽⁵⁾ | | | |
| | | BL Blue ⁽⁵⁾ | | | |

Notes:

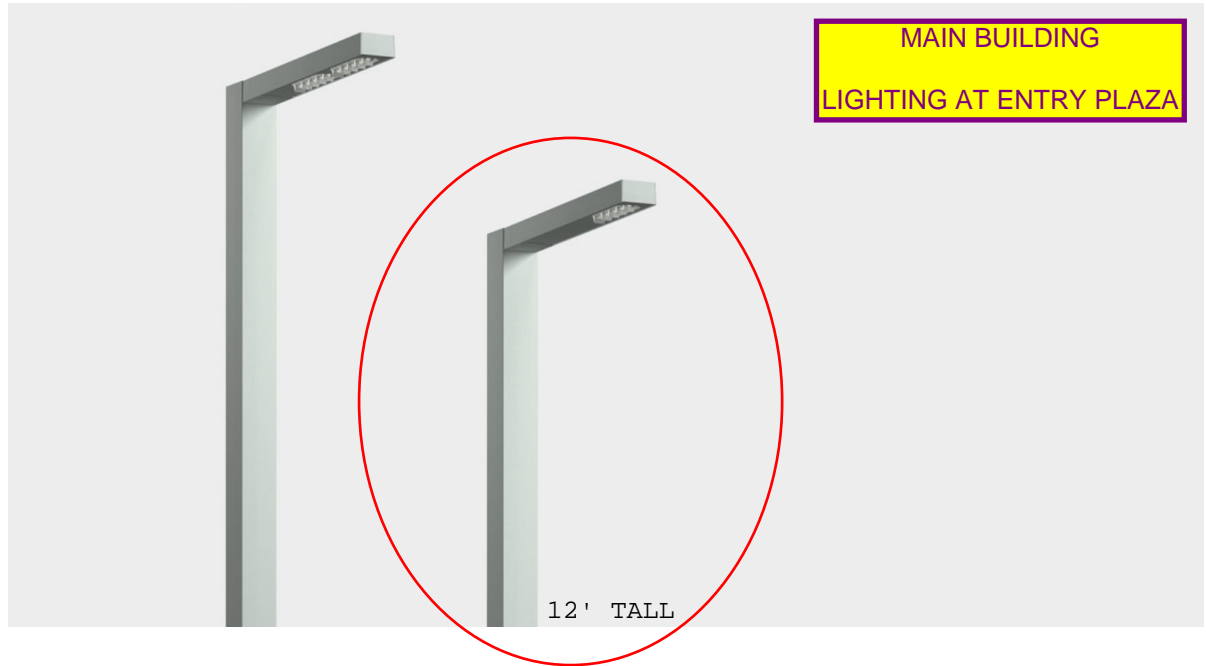
1. A Lumenfacade Inground fixture includes one optical chamber (LOIC), one power and control box (PACBOX) and one recessed blackout (RBO). The LOIC, PACBOX and RBO are provided according to the output/color, length and control configuration.
2. Consult the installation instructions to plan all aspects of the fixture installation. A completed Certificate of Installation must be returned to Lumenpulse to activate the warranty.
3. Power consumption is typically 20% higher for 12 in fixture lengths.
4. Consult factory for availability of static Royal Blue, 6500K and 90+ CRI.
5. Static colors made to order 8-10 weeks.
6. A Lumentranslator 2 (LTL2) and LumentalkID (LIDLTI) must be specified for Lumentalk applications. Consult Lumentranslator 2 and Lumentalk pages and specification sheets for details.
7. A control box (CBX) and LumenID (LID) must be specified.
8. Consult European specification sheet and installation instructions for CE wiring information.

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Date: _____ Customer: _____
 Project: _____
 Type: G Qty: 10



Arca LED Gen5



| | | | | | | | | | |
|-----|--------------|------------------------------------|--------------------------------------|---|---|--|--|---|-----------------------------|
| ACL | Series | ACL Arca LED | | | | | | | |
| | Optics | R1 Type I | R2 Type II | R3 Type III | R3W Type III (Wide) | R4 Type IV | R5R Type V (Round) | R5S Type V (Square) | R5Q Type V (Rectangular) |
| | Mounting | S1 Single | S2 Double | SBX ¹ Sistema Mount | W Wall Mount | ¹ Max 4 heads (SB4) | | | |
| | Light Engine | 5G1350 Single LED 24W/2520lm | 5G1530 Single LED 36W/3540lm | 5G1800 Single LED 54W/5346lm | 5G2350 ² Double LED 48W/5040lm | 5G2530 ² Double LED 72W/6558lm | 5G2800 ² Double LED 100W/9900lm | * Based on R1 distribution and 3000K CCT ² Only available with S1 and S2 mounting | |
| | CCT | 27 ³ 2700K | 30 ³ 3000K | 40 4000K | * For other CCT please consult factory ³ 2700K and 3000K IDA approved | | | | |
| | Finish | WH White | BK Black | BL Semi-Matte Black | BZ Bronze | SV Silver | SP Specify Premium Color | | |
| | Voltage | 120 120V | 240 240V | 277 277V | 347 ^{4,5} 347V | 480 ^{4,5} 480V | ⁴ 5G1350, 5G1530, 5G1800, 5G2350 come with step-down transformer in handhole ⁵ S2-5G2350, S2-5G2530, and S2-5G2800 come with stepdown transformer in handhole | | |
| | Options | DM ⁸ Dimming (0-10V) | HS ⁶ House Side Shield | TLR ^{7,8} Twist Lock Receptacle 7-Pin with Shorting Cap | TLRP Twist Lock Photocell (see page 8) | TLRLL ^{7,8} Twist Lock Receptacle 7-Pin with Lutron Limelight Sensor | ⁶ Type I, II, III, and IV only ⁷ Not available with DM ⁸ DM, or TLR only. Cannot be combined. | | |

Product Modifications

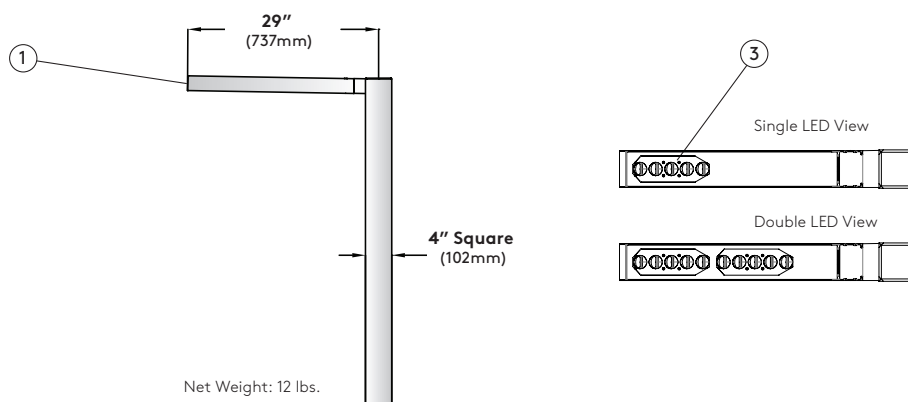
Please list modification requirements for review by factory:

Approvals



Date: _____

ACL-R2-S1



Specifications

1. Luminaire Cover - Two piece high pressure die cast housing, made of low copper aluminum alloy. Toolless latch allows easy access to light engine and gear tray components.

2. Gasketing - (not shown) UV and ozone-resistant, silicone gasket between fixture housing and lens base provide IP65 level ingress protection.

3. LED Array - High Flux LEDs mounted to metal core PCB and attached to external heat sink for maximum LED performance and life. CCT tolerance within a 3-step bin and provided with a minimum CRI of 80. LED array has a reported lumen maintenance of 93% at 50,000 hours. L70 calculated greater than 100,000 hours. Exposed face rated to IP65.

4. LED Optics - Technical Optics (R1, R2, R3,R4, R5S, and R5R) use Selux signature light pattern acrylic lens holder to secure proprietary silicone optics. Internal micro house side shield available for distributions types I, II, III and IV.

5. LED Driver - LEDs are driven by RoHS compliant constant current programmable LED driver. Driver includes 0-10V dimming to 10%, meets the requirements of IP66.

6. Surge Protection - (not shown) Designed to protect luminaire from electrical surge (20kA).

7. Power Cord - (not shown) Pre-installed at factory. Power cords are specified to fit the length of the pole specified with the luminaire.

Exterior Luminaire Finish - Selux utilizes a high quality Polyester Powder Coating. All Selux luminaires and poles are finished in our Tiger Drylac certified facility and undergo a five stage intensive pretreatment process where product is thoroughly cleaned, phosphated and sealed. Selux powder coated products provide excellent salt and humidity resistance as well as ultraviolet resistance for color retention. All products are tested in accordance with test specifications for coatings from ASTM and PCI. Standard exterior colors are White (WH), Black (BK), Semi-Matte Black (BL) Bronze (BZ), and Silver (SV). Selux premium colors (SP) are available, please specify from your Selux color selection guide.

5 Year Limited LED Luminaire Warranty - Selux offers a 5 Year Limited Warranty to the original purchaser that the Arca LED luminaire shall be free from defects in material and workmanship for up to five (5) years from date of shipment. This limited warranty covers the LED driver and LED array when installed and operated according to Selux instructions. For details, see "Selux Terms and Condition of Sale."

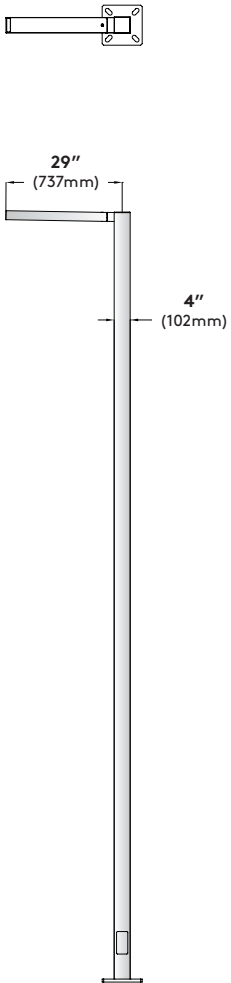
Listings and Ratings: Luminaire and LED tested to IP65 and IESNA LM-79-08 standards. LED tested to LM-80 standards. Luminaire and LED tested at 25°C ambient temperature. ARCA LED suitable for ambient temperatures of 40°C (104°F). Minimum operating temperature of luminaire at -40°C (-40°F). NRTL Listed for wet location (i.e. UL, CSA) Visit selux.us for our LED End of Life recycling policy.

NRTL Listed (i.e. UL, CSA)

For Buy American compliance on poles, please consult the factory.

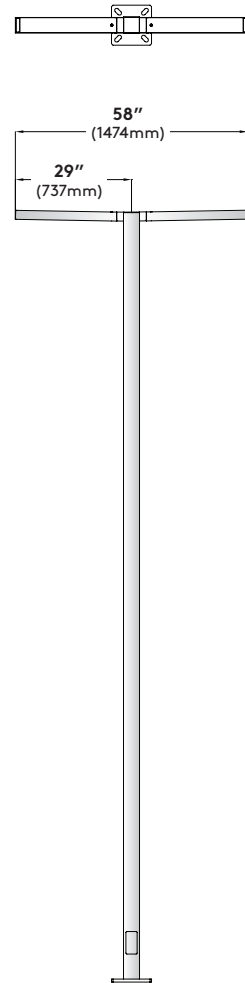
Mounting

Single (S1)
Single pole top mount
(Helicoil Location: 0B)



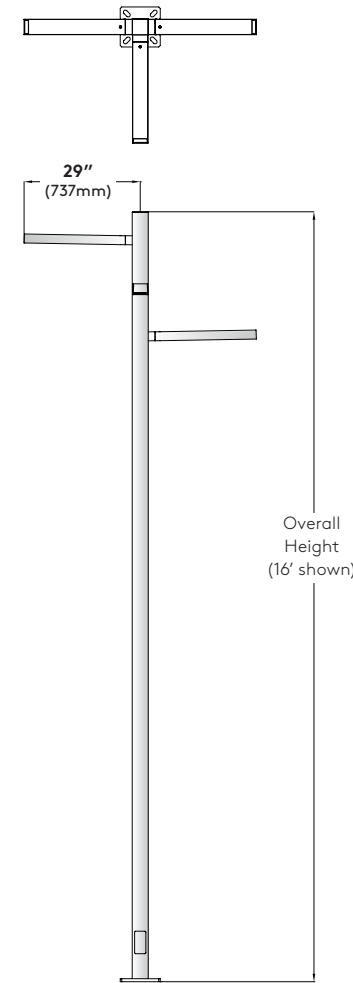
EPA Weight = 12 lbs.
EPA
0.57ft²

Double (S2)
Double pole top mount
(Helicoil Location: 0B-0D)



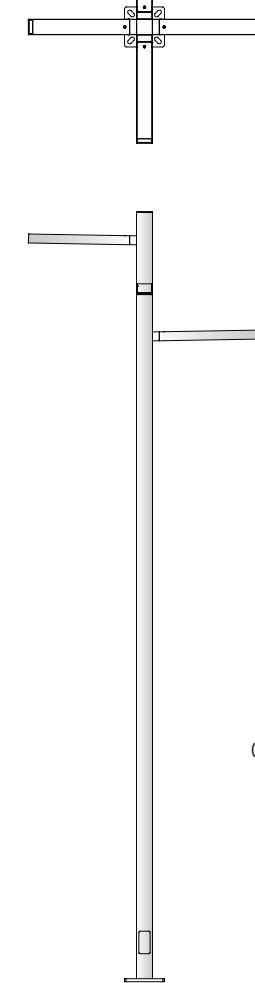
EPA Weight = 24 lbs.
EPA
1.14ft²

Triple (SB3)
Die cast aluminum Sistema lateral
bracket secured in pole side.
(Helicoil Location: 1B-2A-3D)



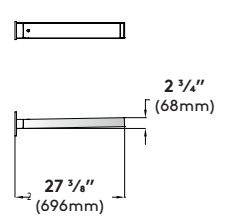
EPA Weight = 36 lbs.
EPA
1.23ft²

Quadruple (SB4)
Die cast aluminum Sistema lateral
bracket secured in pole side.
(Helicoil Location: 1B-2A-3D-4C)

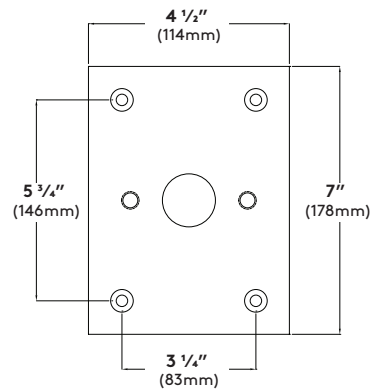


EPA Weight = 48 lbs.
EPA
1.64ft²

Wall Mount (W)
Die cast aluminum single
luminaire mount and
steel mounting plate
secured to wall with 1/4 inch
flat head screws.

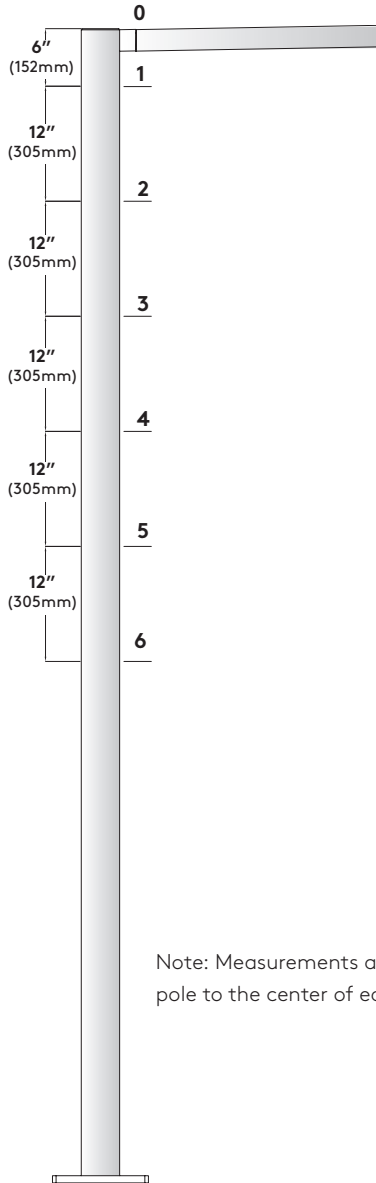


Wall Mounting Detail
(Conduit and mounting hardware
by others).



EPA Weight = 12 lbs.
EPA
0.59ft²

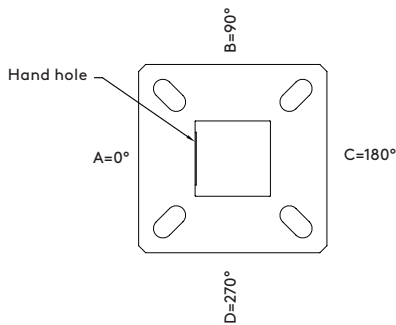
Mounting Detail



| Mounting Configuration | | | | | | | |
|---------------------------|-------------------------|------|------|------|------|------|------|
| Height Code | 0 | 1 | 2 | 3 | 4 | 5 | 6 |
| Distance from Top of Pole | 0.0' | 0.5' | 1.5' | 2.5' | 3.5' | 4.5' | 5.5' |
| Angular Location Code | Clockwise From Handhole | | | | | | |
| A | 0° | | | | | | |
| B | 90° | | | | | | |
| C | 180° | | | | | | |
| D | 270° | | | | | | |

*No Luminaire Below 7.5'

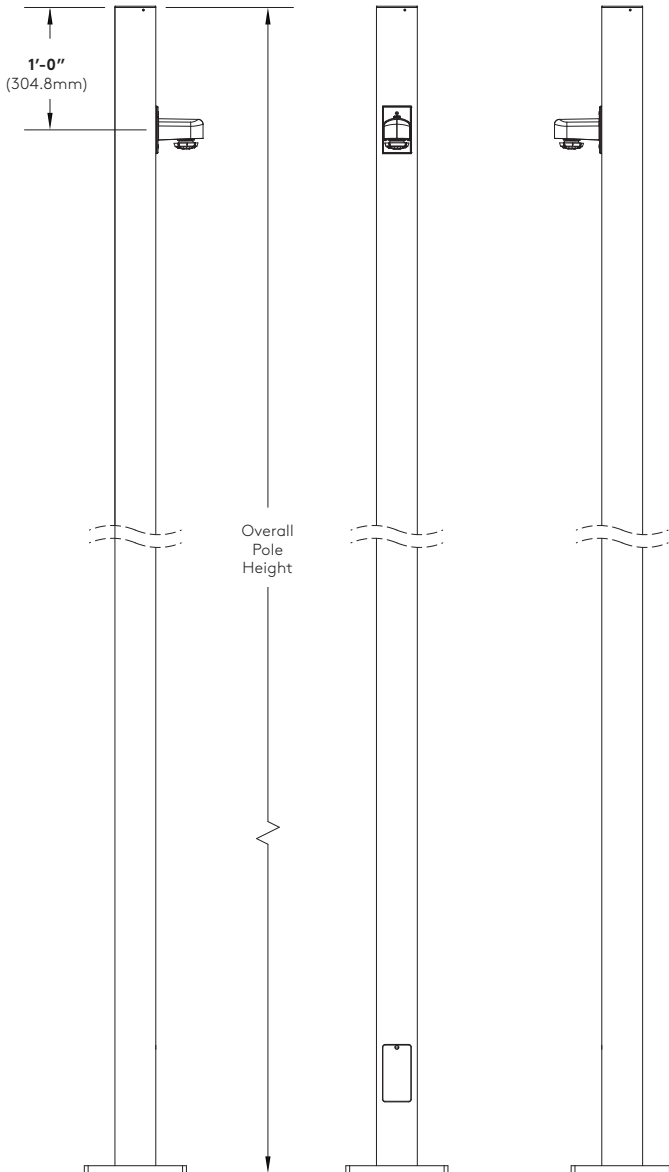
Note: Measurements are from the top of the pole to the center of each fixture



Square Pole Motion Sensor

The Selux outdoor rated sensor incorporates Passive Infrared (PIR) Technology for motion sensing and also includes built-in photocell. Sensor comes pre-installed in cast aluminum housing painted to match pole finish.

| Series | Optic (270° coverage) | Hand Hole Orientation | Dim Level | Photocell Feature | Voltage |
|----------------------------|--|---|-----------------------|----------------------|---------------------------------------|
| MS Motion Sensor | L (Low 8-12ft height) M (Medium 13-20ft height) | 00 0° Clockwise from Hand Hole | D0 (Off) | Y Yes | UNV (120-277V) |
| | | 09 90° Clockwise from Hand Hole | D1 (1V=10%) | | 347* (347V) |
| | | 18 180° Clockwise from Hand Hole | D3 (3V=30%) | N No | 480* (480V) |
| | | 27 270° Clockwise from Hand Hole | D5 (5V=50%) | | *consult factory for 347V and 480V |



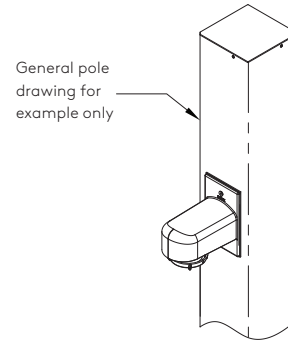
Factory Defaults:

Delay to Dim: 5 minutes

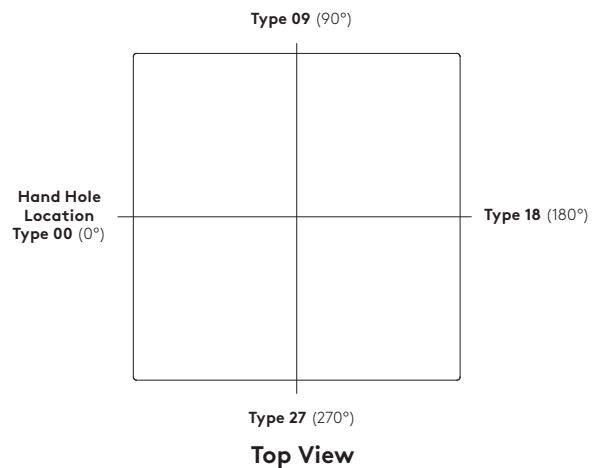
Delay to Off: 1 hour

Sensitivity: Max

Custom Programming: Consult Factory



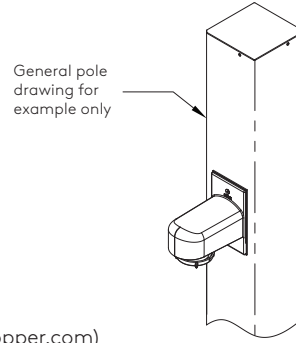
Sensor angular orientation from hand hole 0°
90° increments clockwise around pole (Type 00, 09, 18, 27)



Motion Sensor Features

- Customize programming using handheld wireless remote control (FSIR-100) sold separately (by others)
- 5 Year Warranty
- 100% Digital PIR Detection, excellent RF Immunity
- 270° coverage pattern
- IP66 Rated for outdoor applications
- Made for LED light source
- Adjustable time delays, max/min dim levels, and ramp rates
- Suitable for Title 24 applications

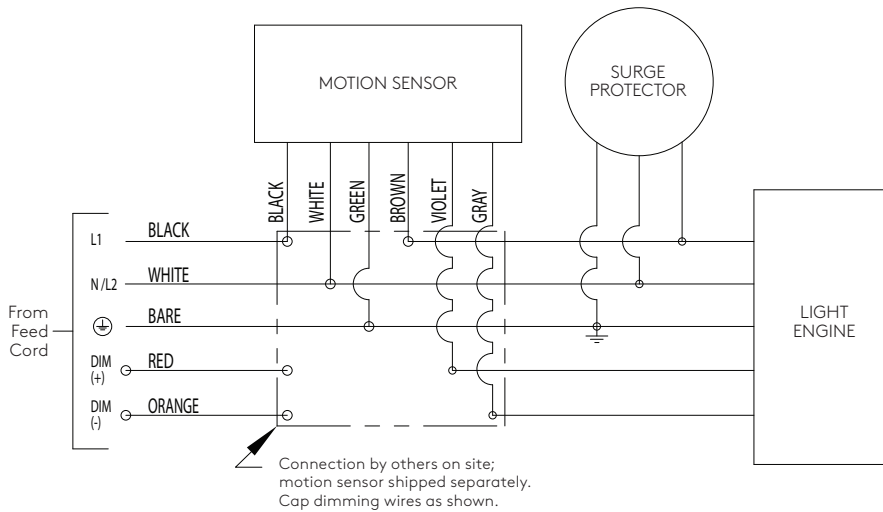
(For coverage details refer to wattstopper FSP-211 spec sheet at www.wattstopper.com)



FSIR-100 (remote)

**Sold Separately
(by others)**

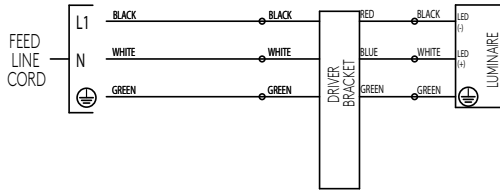
Motion Sensor Option (MS) Wiring (120V-277V)



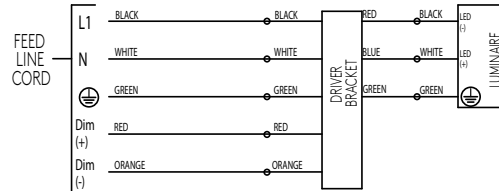
| Wire Designation Table | | |
|------------------------|------------|----------------------------------|
| Source Voltage (VAC) | Wire Color | Wire Designation |
| UNV (120V-277V) | Black | L1 |
| | White | Neutral (120V/277V or 208V/240V) |

Arca LED Gen5 5G2 — Single LED Module Wiring

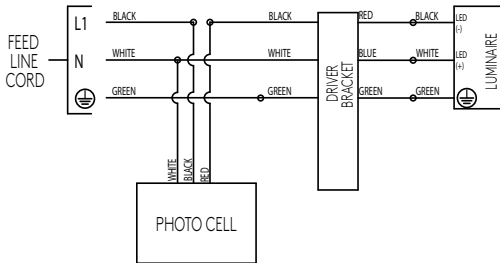
Standard Wiring



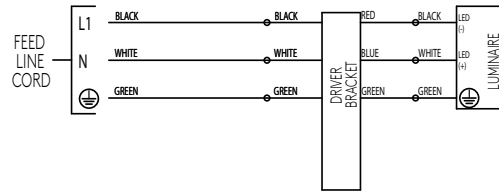
0-10V Dimming Option (DM) Wiring



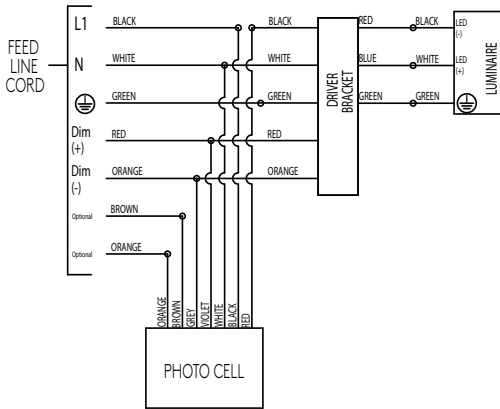
Photocell Wiring



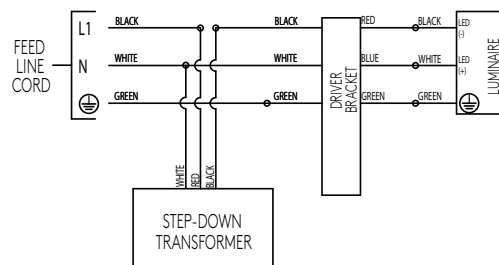
347/480V Wiring



7-Pin Receptacle Wiring

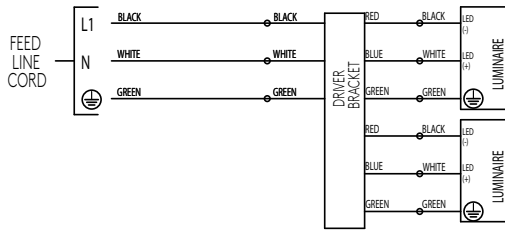


347/480V with Step-down Transformer Wiring

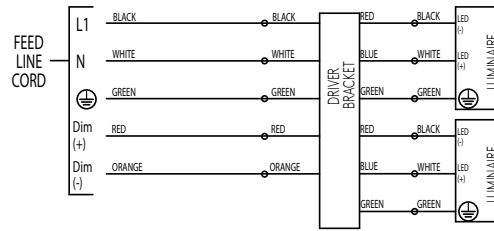


Arca LED Gen5 5G2 — Double LED Module Wiring

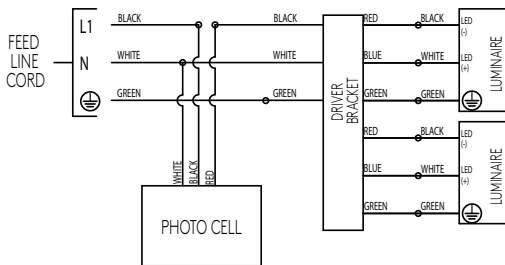
Standard Wiring



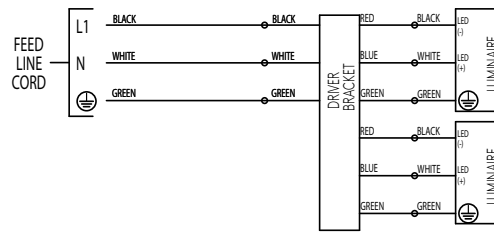
0-10V Dimming Option (DM) Wiring



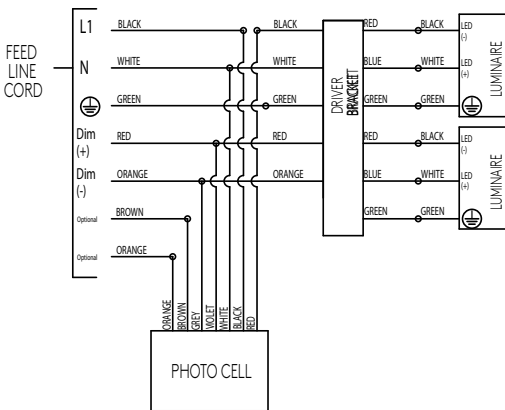
Photocell Wiring



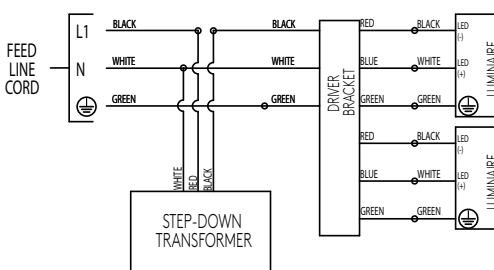
347/480V Wiring



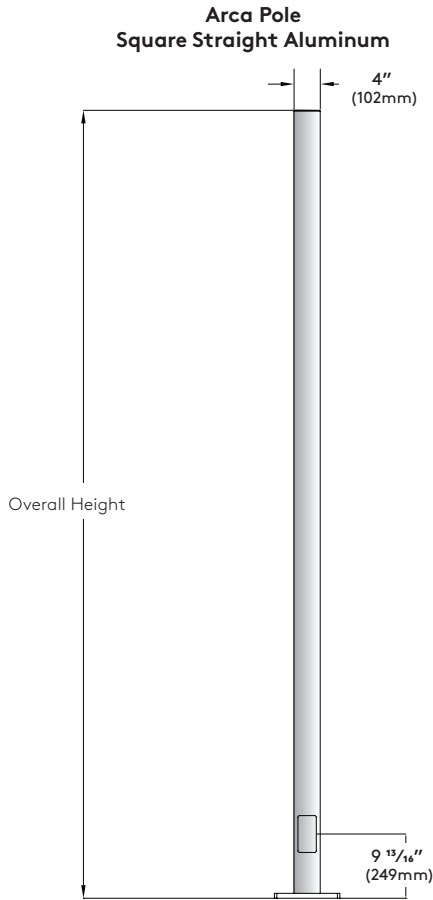
7-PIin Receptacle Wiring



347/480V with Step-down Transformer Wiring

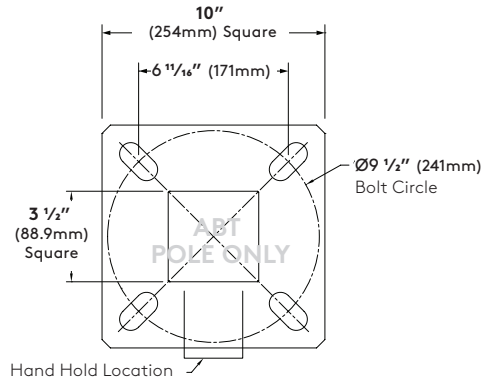


Pole Information



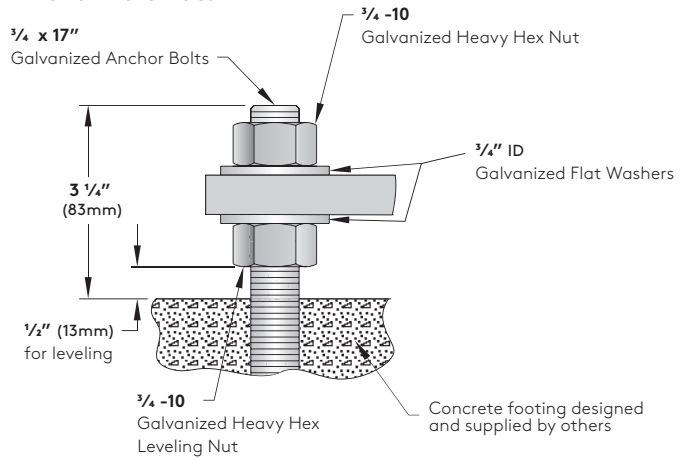
Arca Bolt Circle Template

Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown.



Note: Adequate drainage must be provided in concrete foundation.

Arca Anchor Bolt Detail



Pole Data Chart

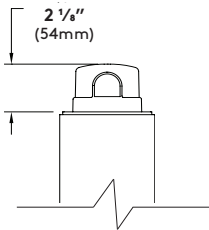
| Pole Series | Bolt Circle | EPA Information | | | | | | | | | | | Height | Finish | Helicoil Inserts | Options |
|-------------|-------------|------------------------|------|------|------|-----|-----|-----|-----|-----|-----|-----|--------|--------------------------|------------------|---|
| | | Basic Wind Speed (MPH) | | | | | | | | | | | | | | |
| | | 85 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | | | | |
| A-A40-250 | Ø9 1/2" | 19.2 | 16.7 | 12.8 | 10.0 | 7.8 | 6.1 | 4.8 | 3.7 | 2.8 | 2.1 | 1.5 | 8 | WH White | HC1 1 Pair | BC Base Cover REC GFCI Receptacle with weather-proof cover REC2 GFCI Receptacle with padlockable in-use cover REC3 USB & Duplex Receptacle with weatherproof cover REC4 USB & Duplex Receptacle with weatherproof padlockable in-use cover *Weatherproof cover intended for portable tools or other portable equipment connected to the outlet only when attended. For other requirements please consult factory. |
| | | 13.7 | 11.7 | 8.7 | 6.4 | 4.6 | 3.3 | 2.2 | 1.3 | 0.6 | - | - | 10 | BK Black | HC2 2 Pair | |
| | | 9.8 | 8.1 | 5.6 | 3.7 | 2.2 | 1.1 | - | - | - | - | - | 12 | BL Semi-Matte Black | HC3 3 Pair | |
| | | 6.7 | 5.3 | 3.1 | 1.5 | - | - | - | - | - | - | - | 14 | BZ Bronze | HC4 4 Pair | |
| | | 4.2 | 3.0 | 1.0 | - | - | - | - | - | - | - | - | 16 | SV Silver | | |
| | | 2.0 | 0.9 | - | - | - | - | - | - | - | - | - | 18 | SP Specify Premium Color | | |

Notes:

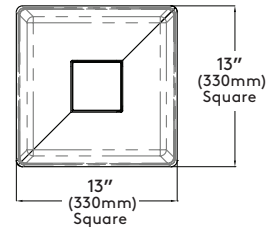
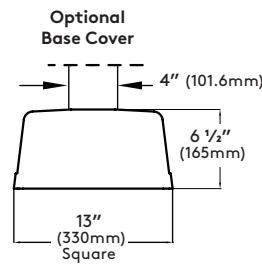
- 1) Maximum EPA ratings certified in accordance with AASHTO 2013 (LTS-6) for 3-s gust wind speeds based on Allowable Stress Design (ASD) analysis
- 2) Consult factory for equivalent Load and Resistance Factor Design (LRFD) wind speeds
- 3) Rated performance is dependant upon the pole being properly attached to a supporting foundation of adequate design

Optional Accessories

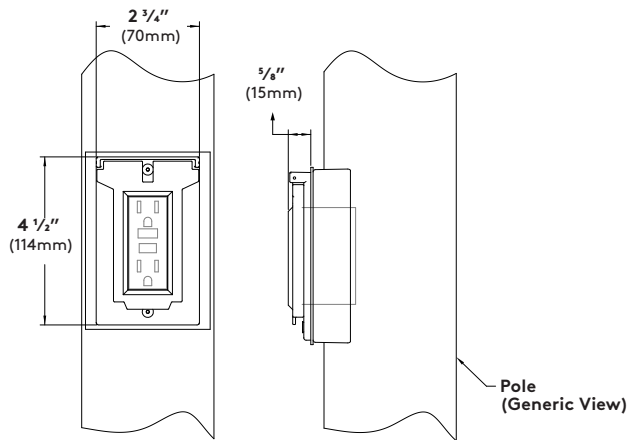
Photocell (TLRP) - 3-Pin Receptacle with Twist Lock Photocell at top of pole.



Base Cover (BC)

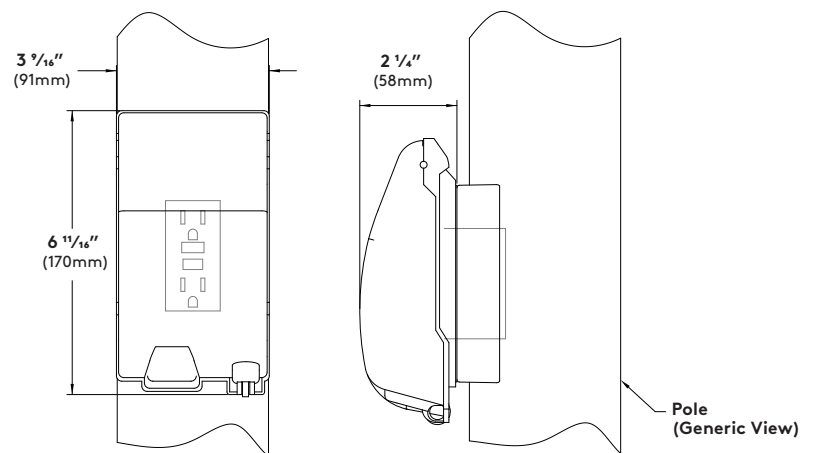


REC and REC3



Cover shown in the closed position

REC2 and REC4



Cover shown in the closed position

GFCI Receptacle (REC) - 120V 15A GFCI duplex receptacle with weatherproof, self-closing cover; located 36" (915mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel (120V only).

USB & Duplex Receptacle (REC3) (not shown) - 120V 20A duplex receptacle with USB combination ports. (1) type A and (1) type C high power 5A, 5V USB outlets. With weatherproof, self-closing cover; located 36" (915mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel.

REC3 does not incorporate GFCI (Ground Fault Circuit Interrupter) protection, and shall be powered by a GFCI protected branch circuit (by others).

GFCI Receptacle (REC2) - 120V 15A GFCI duplex receptacle with weatherproof, self-closing, padlockable in-use cover; located 36" (915mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel (120V only).

USB & Duplex Receptacle (REC4) (not shown) - 120V 20A duplex receptacle with USB combination ports. (1) type A and (1) type C high power 5A, 5V USB outlets. With weatherproof, self-closing padlockable in-use cover; located 36" (915mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel.

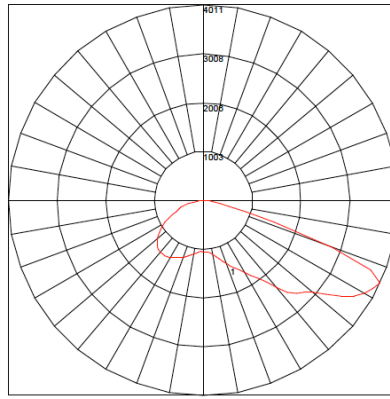
REC4 does not incorporate GFCI (Ground Fault Circuit Interrupter) protection, and shall be powered by a GFCI protected branch circuit (by others).

Arca LED
Photometry

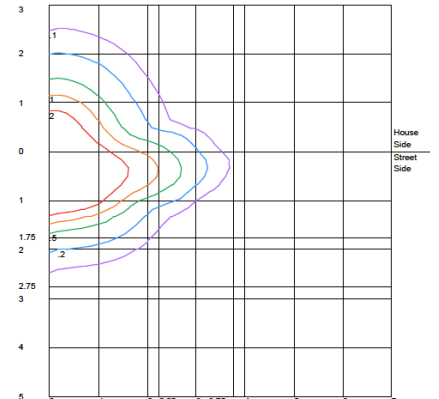


R1 / 61W LED / 3000K CCT

Catalog #: ACL-R1-X-5G2530-30-XX-120
Report #: 13212221.15
Delivered Lumens: 7579
Efficacy: 124
IES classification: Type II
Maximum candela of 4011.3 at 65° from vertical
BUG Rating: B2-U0-G2



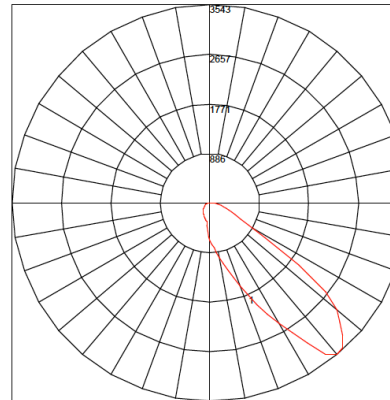
Maximum Candela = 4011.304 Located At Horizontal Angle = 77.5, Vertical Angle = 65
1 - Vertical Plane Through Horizontal Angles (77.5 - 257.5) (Through Max. Cd.)



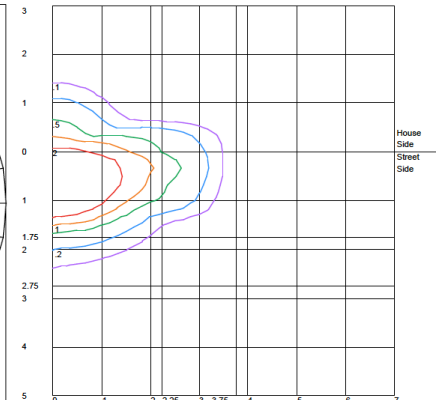
Distance In Units Of Mounting Height
Values Based On 16 Foot Mounting Height

R1 with HS/ 61W LED / 3000K CCT

Catalog #: ACL-R1-X-5G2530-30-XX-120-HS
Report #: 13212221.15
Delivered Lumens: 5247
Efficacy: 86
IES classification: Type II
Maximum candela of 3542.8 at 40° from vertical
BUG Rating: B2-U0-G1



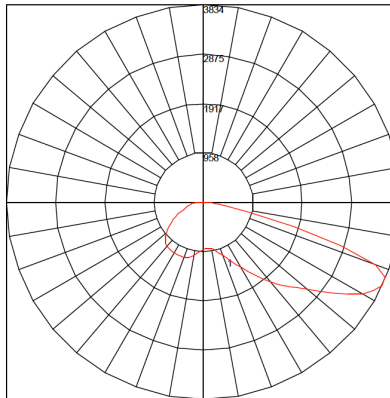
Maximum Candela = 3542.784 Located At Horizontal Angle = 0, Vertical Angle = 40
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)



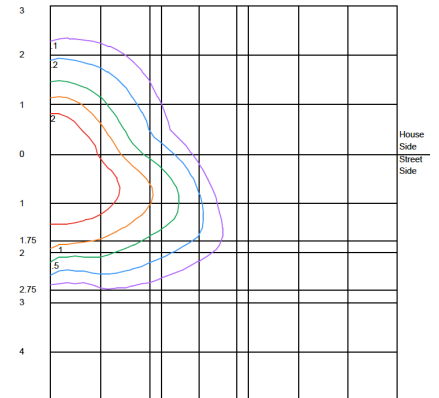
Distance In Units Of Mounting Height
Values Based On 16 Foot Mounting Height

R2 / 61W LED / 3000K CCT

Catalog #: ACL-R2-X-5G2530-30-XX-120
Report #: 13212221.17
Delivered Lumens: 7352
Efficacy: 121
IES classification: Type III
Maximum candela of 3833.7 at 65° from vertical
BUG Rating: B2-U0-G2



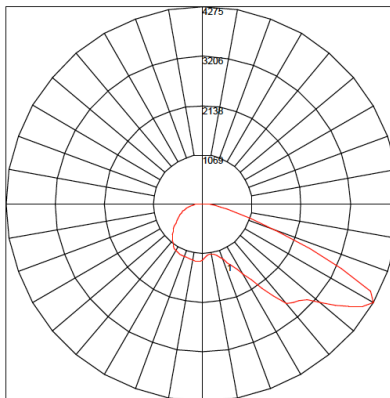
Maximum Candela = 3833.7 Located At Horizontal Angle = 62.5, Vertical Angle = 65
1 - Vertical Plane Through Horizontal Angles (62.5 - 242.5) (Through Max. Cd.)



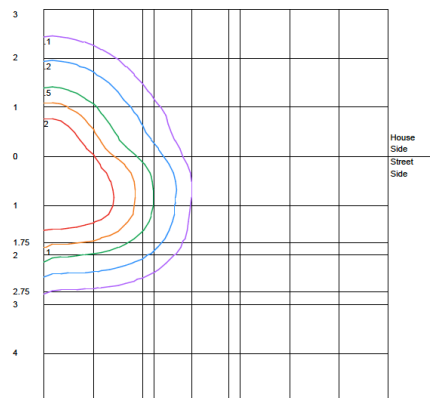
Distance In Units Of Mounting Height
Values Based On 16 Foot Mounting Height

R3 / 61W LED / 3000K CCT

Catalog #: ACL-R3-X-5G2530-30-XX-UNV
Report #: 113212221.17
Delivered Lumens: 7286
Efficacy: 119
IES classification: Type III
Maximum candela of 4275.1 at 60° from vertical
BUG Rating: B2-U0-G1



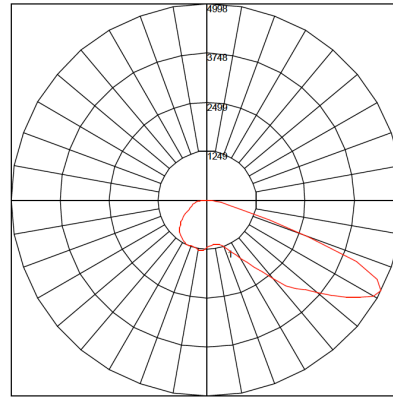
Maximum Candela = 4275.143 Located At Horizontal Angle = 45, Vertical Angle = 60
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)



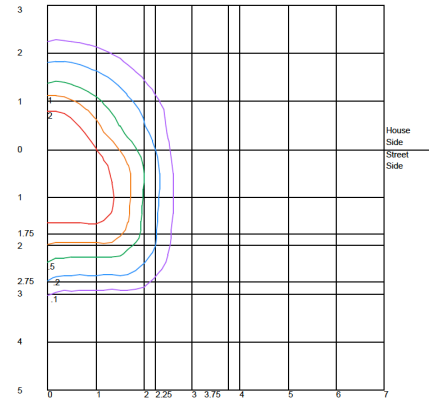
Distance In Units Of Mounting Height
Values Based On 16 Foot Mounting Height

R4 / 61W LED / 3000K CCT

Catalog #: ACL-R4-X-5G2530-30-XX-UNV
Report #: 13212221.17
Delivered Lumens: 7435
Efficacy: 122
IES classification: Type III
Maximum candela of 4998 at 62.5° from vertical
BUG Rating: B2-U0-G1



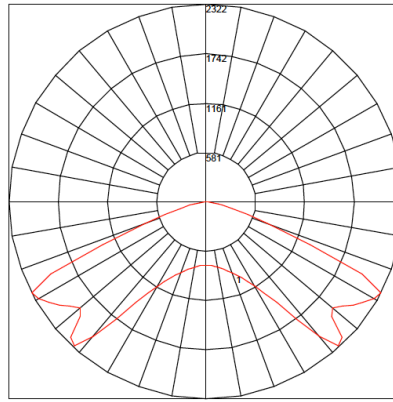
Maximum Candela = 4997.992 Located At Horizontal Angle = 35, Vertical Angle = 62.5
1 - Vertical Plane Through Horizontal Angles (35 - 215) (Through Max. Cd.)



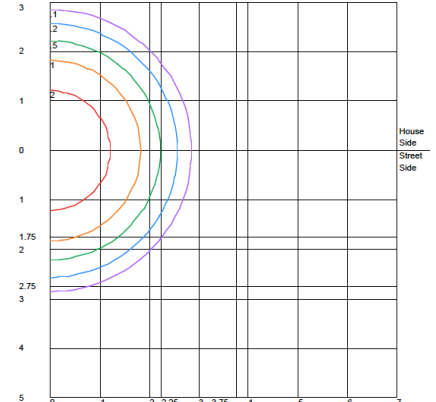
Distance In Units Of Mounting Height
Values Based On 16 Foot Mounting Height

R5R / 61W LED / 3000K CCT

Catalog #: ACL-R5R-X-5G2530-30-XX-120
Report #: 13212221.17
Delivered Lumens: 7515
Efficacy: 123
IES classification: Type V
Maximum candela of 2322.4 at 65.2° from vertical
BUG Rating: B3-U0-G1



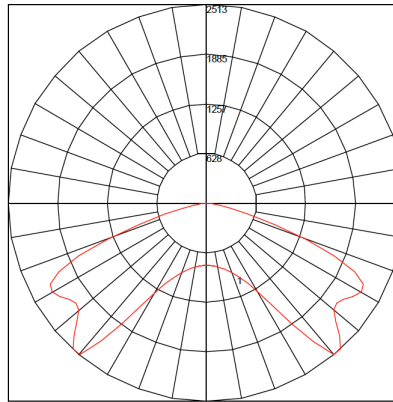
Maximum Candela = 2322.428 Located At Horizontal Angle = 0, Vertical Angle = 65.2
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)



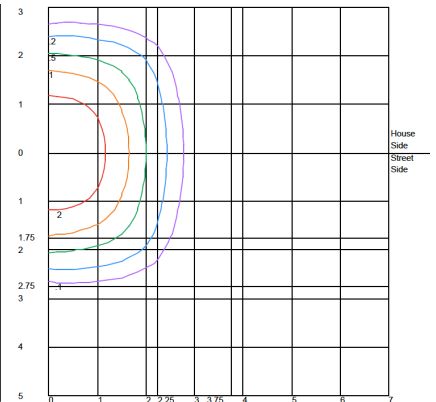
Distance In Units Of Mounting Height
Values Based On 16 Foot Mounting Height

R5S / 61W LED / 3000K CCT

Catalog #: ACL-R5S-X-5G2530-30-XX-UNV
Report #: 13212221.17
Delivered Lumens: 7472
Efficacy: 122
IES classification: Type VS
Maximum candela of 2513.1 at 42.5° from vertical
BUG Rating: B2-U0-G1



Maximum Candela = 2513.119 Located At Horizontal Angle = 45, Vertical Angle = 42.5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)



Distance In Units Of Mounting Height
Values Based On 16 Foot Mounting Height

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City of Chesterfield

DEPARTMENT OF PLANNING

ARCHITECTURAL SPECIALTY LIGHTING PACKAGE APPLICATION

The purpose of an architectural specialty lighting package is to provide comprehensive, complementary and unified architectural specialty lighting throughout a single development or contiguous lots under common ownership. If an architectural specialty lighting package exists for a multi-lot development or subdivision, then individual lots within that subdivision or development may not submit their own, separate architectural specialty lighting package. In addition, developments of a certain size, quality, or mix of uses may require special architectural specialty lighting consideration. Therefore, in order to encourage superior design, quality and character, comprehensive architectural specialty lighting packages allow for specialized review of architectural specialty lighting and flexibility from standard site lighting requirements.

Consideration of flexibility in architectural specialty lighting criteria is based on a number of review factors including, but not limited to, the physical impact of the proposed architectural specialty lighting package, the quality of the proposed architectural specialty lighting package, and mitigation of unfavorable conditions such as excessive lighting, light spillover, height, and other related conditions and potentially negative impacts.

Prior to submitting an application to the Department of Planning, the Applicant is encouraged to schedule a pre-application meeting to discuss the proposal. To schedule a meeting, contact the Department at (636) 537-4748. For questions about this application, contact the "Planner of the Day" at (636) 537-4733.

I. APPLICANT INFORMATION

Owner(s) of record of the hereinafter described property according to St. Louis County Assessor's

Record: see attached

Address: _____

City: _____ **State:** _____ **Zip:** _____

Tel.: _____ **Fax:** _____

Applicant, if other than owner(s): Gateway Studios, LLC

Address: 3615 Tree Court Industrial Blvd

City: St. Louis **State:** MO **Zip:** 63122

Tel.: 314.965.4938 **Fax:** _____

Legal Interest: under contract (see attached)

(Provide date of contract and date of expiration of contract)

II. PROPERTY INFORMATION

Project Name: _____

Locator Number(s): 17V420168, 17V410103, 17V430046, 17V440111

(List additional locator numbers on separate sheet and attach to application)

Acreege: 23.8 (To the nearest tenth of an acre)

Subdivision Name: Gateway Studios -

Plat Book/Page: Proposed Boundary Adjustment Plat - Lot 1

Proximity to closest major intersection: N.E. Chesterfield Airport Rd and Spirit of St. Louis Blvd

Existing Overlay Districts: Check (✓) all that apply C.U.P. C.S.P. L.P.A.

Other: _____

III. ZONING

Current Zoning District: PC Planned Commercial - Ord 2342

Existing Uses(s) on property: vacant

IV. ADJACENT PROPERTY

Identify surrounding land uses and zoning designations. Include existing/approved square footage or number of dwelling units, type of units, and density.

| Property | Land Use | Zoning | Lighting Package? Y/N | Ordinance No. |
|----------|--------------------------|--------|--------------------------|---------------|
| North | I-64 | N/A | N | N/A |
| South | Chesterfield Airport Rd | N/A | N | N/A |
| East | Spirit 40 Park | FP M-3 | Not Known | #9865 |
| West | Spirit of St. Louis Blvd | N/A | N | N/A |

V. ARCHITECTURAL SPECIALTY LIGHTING PACKAGE SUBMITTAL

All Applications shall be accompanied by an Architectural Specialty Lighting Package that presents the information below in a clear, concise, and orderly manner.

- 1) A narrative to the Architectural Specialty Lighting Package, including purpose, scope, design, and consistency with the development's architectural themes. The narrative should address how the Architectural Specialty Lighting package promotes superior design, quality and character.
- 2) The narrative shall include a description of the location, illumination level, color, dimensions, mounting height, construction material, hours of use, nature (static, shifting, flashing, blinking, animation, graphics, light patterns, etc.), frequency and duration of lighting shifts/changes, brightness, and type of all proposed architectural accent lighting fixtures.
- 3) Detailed, high-resolution, color elevations drawn to scale of all structures containing proposed architectural specialty lighting fixtures.
- 4) Night view perspectives or renderings.
- 5) Photographs of all existing architectural specialty lighting fixtures.
- 6) Lighting plans indicating the location of all standards and fixtures and the proposed type of illuminating devices, fixtures, lamps, supports, reflectors, and other devices as well as three-dimensional photometric elevations denoting foot-candle levels on all impacted building elevations and adjacent ground areas.
- 7) A cut sheet will be required for each proposed fixture and associated shielding.
- 8) Where shielding is not provided in conjunction with the proposed light fixture, information indicating that no light trespass or sky glow will result from the requested fixture is required.
- 9) Photographs of similar installations or building applications.
- 10) Photographs of adjacent properties.
- 11) Any additional materials as required by the City of Chesterfield.

VI. STATEMENT OF CONSENT

AGENCY CONSENT

I hereby give CONSENT to Scott Vogelsang, P.E. (type, stamp or print clearly full name of agent) to act on my behalf to submit, this application and all required material and documents, and to attend and represent me at all meetings pertaining to the application(s) indicated above. Furthermore, I hereby give consent to the party designated above to agree to all terms and conditions which may arise as part of the approval of this application.

I hereby certify I have full knowledge of the property and I have an ownership interest and/or am the owner under contract in the subject of this application. I further certify the statements or information made in any paper or plans submitted herewith are true and correct to the best of my knowledge. I understand this application, related material and all attachments become official records of the City of Chesterfield, Missouri, and will not be returned. I understand that any false, inaccurate or incomplete information provided by me or my agent will result in the denial, revocation or administrative withdrawal of this application, request, approval or permits. I acknowledge that additional information may be required to process this application. I further consent to the City of Chesterfield to publish, copy or reproduce any copyrighted document submitted as a part of this application for any third party. I further agree to all terms and conditions which may be imposed as part of the approval of this application.

OWNER/CONTRACT PURCHASER INFORMATION:

I am the owner contract purchaser. (check (✓) one)


Gerald W. Kerr

(Name- type, stamp or print clearly)

Gateway Studios, LLC

(Name of Firm)

Attach additional sheets as necessary.



(Signature)

3615 Tree Court Industrial Blvd., St. Louis, MO 63122

(Address, City, State, Zip)

NOTARY PUBLIC INFORMATION: STATE OF MISSOURI, CITY OF CHESTERFIELD

Before me appears Gerald Kerr who has executed the foregoing instrument was subscribed and sworn to before me 22nd day of April, this

20 21

Signed Elizabeth Signorelli Print Name: Elizabeth Signorelli

Notary Public

Seal/Stamp:

My Commission Expires: 12/27/2021



VII. COMPLETENESS AND ACCURACY

INSTRUCTIONS: To be completed by individual submitting application (property owner, applicant with consent, or authorized agent).

Project Name: Gateway Studios **Submittal Date:** 4/22/21

I hereby certify all property owners have full knowledge that the property they own is the subject of this application. I hereby certify that all owners and petitioners have been provided a complete copy of all material, attachments and documents submitted to the City of Chesterfield relating to this application. I further certify the statements or information made in any paper or plans submitted herewith are true and correct to the best of my knowledge. I understand this application, related application material and all attachments become official records of the City of Chesterfield, Missouri and will not be returned. I understand that any knowingly false, inaccurate or incomplete information provided by me will result in the denial, revocation or administrative withdrawal of this application, request, approval or permit. I further acknowledge that additional information may be required by the City of Chesterfield to process this application. I further represent and warrant that I have not made any arrangement to pay any commission, gratuity, or consideration, directly or indirectly, to any official, employee, or appointee of the City of Chesterfield with respect to this application. I further consent to the City of Chesterfield to publish, copy or reproduce any copyrighted documents submitted as a part of this application for any third party. I further agree to all terms and conditions which may be imposed as part of the approval of this application.

Consent is required from all property owner(s) and/or contract purchaser, if applicable, for an agent to act if the property owner(s) or contract purchaser does not intend to attend all meetings and public hearings and submit in person all material pertaining to the application. A separate form is required from each owner/contract purchaser. Consent to a firm shall be deemed consent for the entire firm, unless otherwise specified. Consent is valid for one year from date of notary, unless otherwise specified. Attach copy of last recorded warranty deed for subject property.

Check (✓) one: * I am the property owner. I have legal interest in the property. I am the duly appointed agent of the petitioner.

Scott Vogelsang

(Name- type, stamp or print clearly)



(Signature)

ARCO Construction

(Name of Firm)

9494 Manchester Road, St. Louis, MO 63119

(Address, City, State, Zip)

* Attach additional sheets as necessary.

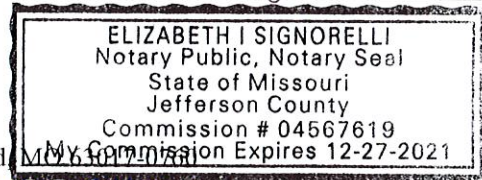
NOTARY PUBLIC INFORMATION: STATE OF MISSOURI, CITY OF CHESTERFIELD

Before me appears Scott Vogelsang who has executed the foregoing instrument was subscribed and sworn to 22nd day of April, 20 21.

Signed Elizabeth Signorelli Print Name: Elizabeth Signorelli
Notary Public

Seal/Stamp:

My Commission Expires: 12/27/2021



690 Chesterfield Parkway West, Chesterfield, MO 63005
Ph. (636)537-4746 Fax (636)537-4798 www.chesterfield.mo.us

VIII. PARTIES OF INTEREST

Principal Contact: Scott Vogelsang, P.E. **Title:** Senior Project Manager
Address: 9494 Manchester Road
City: St. Louis **State:** MO **Zip:** 63119
Tel.: 314.280.2829 **Fax:** _____
Email: svogelsang@arco1.com

Other Contact: Gerald W. Kerr
Address: 3615 Tree Court Industrial Blvd.
City: St. Louis **State:** MO **Zip:** 63122
Tel.: 314.965.4938 **Fax:** _____
Email: j2@201productions.com

Other Contact: George Stock, P.E.
Address: 257 Chesterfield Business Parkway
City: Chesterfield **State:** MO **Zip:** 63005
Tel.: 636.530.9100 **Fax:** _____
Email: george.stock@stockassoc.com

Other Contact: Lani Walker
Address: 900 N. Rock Hill Rd.
City: St. Louis **State:** MO **Zip:** 63119
Tel.: 618.889.4069 **Fax:** _____
Email: lwalker@gma-architects.com

Attach additional sheets as necessary.

IX. FEES

The filing fees for an application for review of architectural specialty lighting package submissions shall be based on the information below:

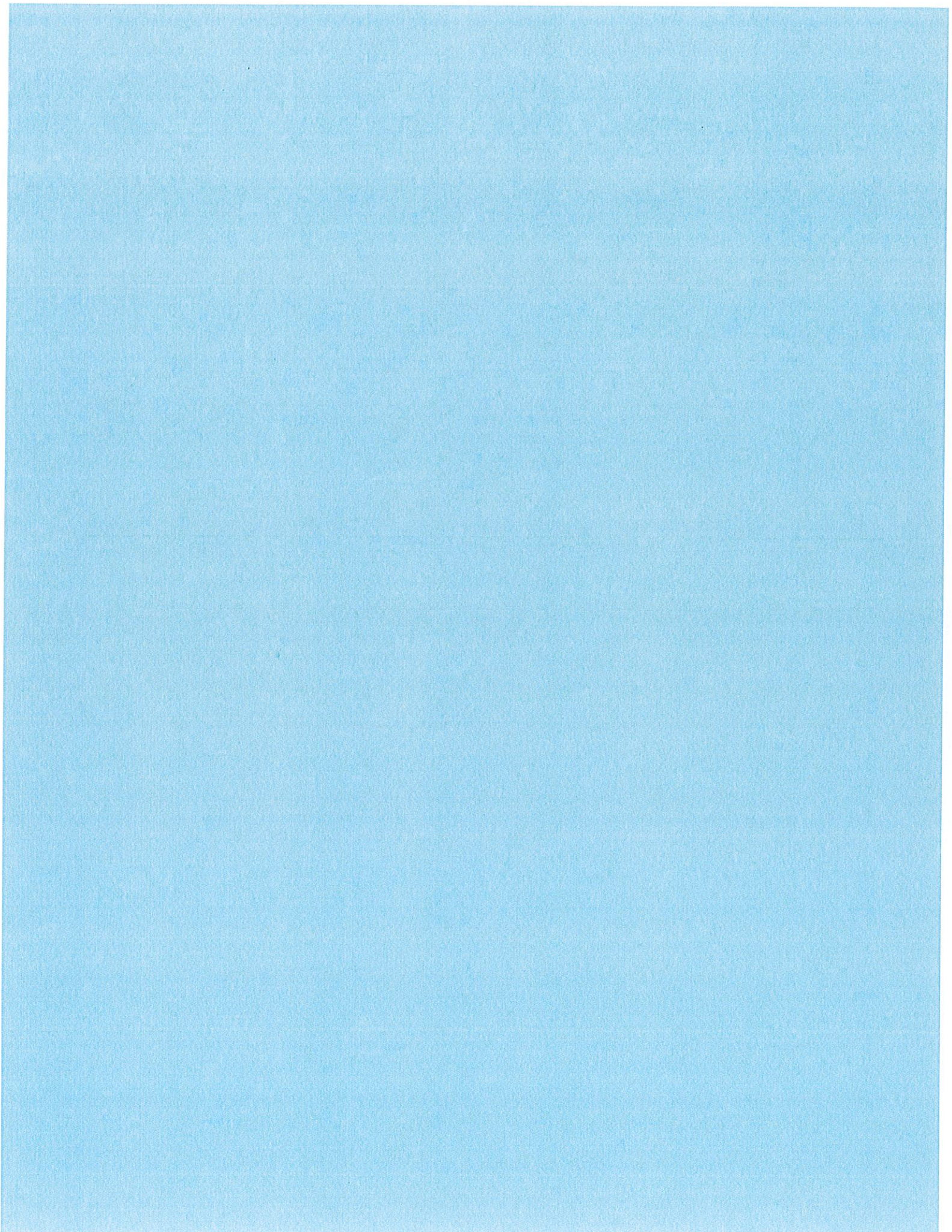
- 1. A new architectural specialty lighting package or modification of an existing architectural specialty lighting package will require a non-refundable fee of \$50.00.

STAFF USE ONLY

Planner: _____ **Intake Date:** _____

[] Application NOT Sufficient (date) _____ [] Application Sufficient (date): _____

Entered into Project List: _____





JENKINS & KLING, P.C.
ATTORNEYS AT LAW

Stephen L. Kling, Jr.
Email: skling@jenkinskling.com

Admitted to Practice in
Missouri

February 26, 2021

City of Chesterfield
Department of Planning
690 Chesterfield Pkwy W
Chesterfield, MO 63017-0760

Re: Gateway Studios, LLC applications (the "Applications"):

- 1) Amended Site Development Concept Plan—Campus*
- 2) Site Development Section Plan—Proposed Lot 1, Art Studios*
- 3) Site Development Section Plan—Proposed Lot 2, Hotel*
- 4) Boundary Adjustment Plan to Create Lot 1 (±23.8 Ac.) and Create Lot 2 (±6.95 Ac.)*

Dear Sir or Madam:

This firm and the undersigned represent Gateway Studios, LLC ("**Gateway**") in connection with the Applications which are being filed by Stock & Associates on Gateway's behalf. The Applications cover two (2) contiguous platted lots, each of which are approximately fifteen (15) acres. The combined site is proposed for a state of the art studio complex and adjoining hotel.

Please be advised that Gateway has both Lots "A & B" under contract with the respective owners—950 Spirit Land, LLC for the northern lot and Gordon Gundaker for the southern lot. The initial zoning and land use approval contingency dates are:

- 1) 950 Spirit Land, LLC Contract: June 11, 2021; and
- 2) Gordon Gundaker Contract: June 22, 2021.

Each contract has three (3) 30-day rights to extend such contingency.

Should you require any further information regarding the contracts, please do not hesitate to contact our team as appropriate:

City of Chesterfield
February 26, 2021
Page 2


Jenkins & Kling, P.C.
Attn: Stephen L. Kling, Jr.
150 N. Meramec Ave.
Suite 400
St. Louis, Missouri 63105
Phone: (314) 561-5074
skling@jenkinskling.com

Stock & Associates Consulting
Engineers, Inc.
Attn: George M. Stock
257 Chesterfield Business Pkwy.
St. Louis, Missouri 63005
Phone: (636) 681-2403
george.stock@stockassoc.com

Gateway Studios, LLC
Attn: Gerald W. Kerr
3615 Tree Court Industrial Blvd.
St. Louis, Missouri 63122
Phone: (314) 965-4938
j2@201productions.com

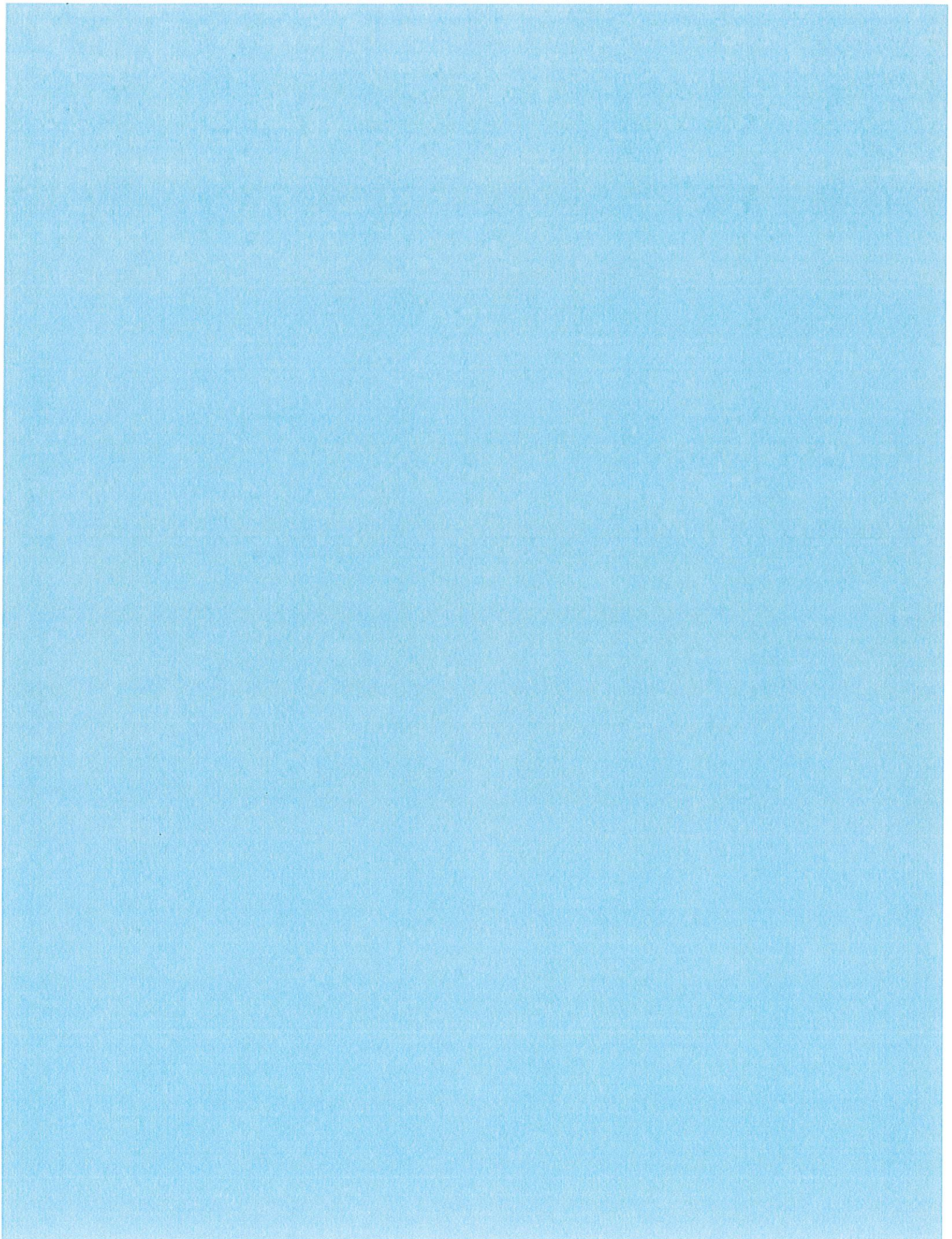
Sincerely,

JENKINS & KLING, P.C.

By: 
Stephen L. Kling, Jr.

SLK/mke

Cc: Gerald W. Kerr
George M. Stock
Tripp Hardin





Saint Louis County Property Information

920 SPIRIT OF ST LOUIS BLVD, CHESTERFIELD, MO 63005

Ownership and Legal Information: 17V410103 - 2021

| Locator No. | Tax Year | Tax District | City Code | Site Code | Destination Code |
|---------------------------------|---|--------------|---------------------------------|----------------|------------------|
| 17V410103 | 2021 | 110ID | 105 | 0349 | |
| Owner's Name: | Gundaker Gordon A Jr | | | | |
| Taxing Address: | 920 Spirit Of St Louis Blvd Chesterfield, MO 63005 | | | | |
| Care-Of Name: | | | | | |
| Mailing Address: | 2458 Old Dorsett Rd Suite 311 Maryland Heights, MO 63043 | | | | |
| Subdivision Book - Page: | | | | | |
| Assessor's Book - Page: | 09 - 0763 | | | | |
| City Name: | Chesterfield | | | | |
| Subdivision Name: | | | | | |
| Legal Description: | SURVEY 102 & 122 TWN 45 R 3 SPIRIT OF ST LOUIS BLVD VACATED PT (22621-800) (ST LOUIS COUNTY MISSOURI ORD #26775) Important: This is a brief legal description and is not meant for use in recorded legal documents. | | | | |
| Levee District Name: | Monarch-Chesterfield | | | | |
| Lot Number: | | | Block Number: | | |
| Lot Dimensions: | 0441 / IRR - 0028 / 0034 | | Total Acres: | 0.21 | |
| Tax Code - Description: | A - Taxable | | Land Use Code: | 819 | |
| Deed Document Number: | | | Deed Type: | | |
| Deed Book and Page: | Book: 22621 Page: 800 | | Trash District: | Not Applicable | |
| Deed Index List: | View Deed Index Information Recorded With Locator Number 17V410103 | | | | |
| School District: | Rockwood | | County Council District: | 7 | |



Saint Louis County Property Information

930 SPIRIT OF ST LOUIS BLVD, CHESTERFIELD, MO 63005

Ownership and Legal Information: 17V430046 - 2021

| Locator No. | Tax Year | Tax District | City Code | Site Code | Destination Code |
|---------------------------------|---|----------------------|---------------------------------|----------------|------------------|
| 17V430046 | 2021 | 110ID | 105 | 0349 | |
| Owner's Name: | 950 Spirit Land LLC | | | | |
| Taxing Address: | 930 Spirit Of St Louis Blvd Chesterfield, MO 63005 | | | | |
| Care-Of Name: | | | | | |
| Mailing Address: | 13426 Mason Grove Ln Saint Louis, MO 63131 | | | | |
| Subdivision Book - Page: | | | | | |
| Assessor's Book - Page: | 09 - 0763 | | | | |
| City Name: | Chesterfield | | | | |
| Subdivision Name: | | | | | |
| Legal Description: | SURVEY 102 & 122 TWN 45 R 3 SPIRIT OF ST LOUIS BLVD VACATED PT (22621-800) (ST LOUIS COUNTY MISSOURI ORD #26775) Important: This is a brief legal description and is not meant for use in recorded legal documents. | | | | |
| Levee District Name: | Monarch-Chesterfield | | | | |
| Lot Number: | | Block Number: | | | |
| Lot Dimensions: | 0509 / IRR - 0034 / 0115 | | Total Acres: | 0.77 | |
| Tax Code - Description: | A - Taxable | | Land Use Code: | 819 | |
| Deed Document Number: | | Deed Type: | | | |
| Deed Book and Page: | Book: 22621 Page: 800 | | Trash District: | Not Applicable | |
| Deed Index List: | View Deed Index Information Recorded With Locator Number 17V430046 | | | | |
| School District: | Rockwood | | County Council District: | 7 | |



Saint Louis County

Property Information

18125 SPIRIT COMMERCE DR, CHESTERFIELD, MO 63005

Ownership and Legal Information: 17V440111 - 2021

| Locator No. | Tax Year | Tax District | City Code | Site Code | Destination Code |
|---------------------------------|---|---------------------------------|-----------|----------------|------------------|
| 17V440111 | 2021 | 110ID | 105 | 0349 | |
| Owner's Name: | 950 Spirit Land LLC | | | | |
| Taxing Address: | 18125 Spirit Commerce Dr Chesterfield, MO 63005 | | | | |
| Care-Of Name: | | | | | |
| Mailing Address: | 13426 Mason Grove Ln Saint Louis, MO 63131 | | | | |
| Subdivision Book - Page: | | | | | |
| Assessor's Book - Page: | 09 - 0763 | | | | |
| City Name: | Chesterfield | | | | |
| Subdivision Name: | R H STEVEN FARM LOT PT 5 LOT SPLIT LOT B | | | | |
| Legal Description: | & SPIRIT 40 PARK LOTS 3 & 4 BDY ADJ LOT 4 BDY ADJ LOT PT B Important: This is a brief legal description and is not meant for use in recorded legal documents. | | | | |
| Levee District Name: | Monarch-Chesterfield | | | | |
| Lot Number: | | Block Number: | | | |
| Lot Dimensions: | | Total Acres: | | 14.82 | |
| Tax Code - Description: | A - Taxable | Land Use Code: | | 910 | |
| Deed Document Number: | | Deed Type: | | | |
| Deed Book and Page: | Book: 22320 Page: 1214 | Trash District: | | Not Applicable | |
| Deed Index List: | View Deed Index Information Recorded With Locator Number 17V440111 | | | | |
| School District: | Rockwood | County Council District: | | 7 | |



Saint Louis County Property Information

18199 CHESTERFIELD AIRPORT RD, CHESTERFIELD, MO 63005

Ownership and Legal Information: 17V420168 - 2021

| Locator No. | Tax Year | Tax District | City Code | Site Code | Destination Code |
|---------------------------------|--|---------------------------------|-------------------|-----------|------------------|
| 17V420168 | 2021 | 110ID | 105 | 0349 | |
| Owner's Name: | Gundaker Gordon A Jr | | | | |
| Taxing Address: | 18199 Chesterfield Airport Rd Chesterfield, MO 63005 | | | | |
| Care-Of Name: | | | | | |
| Mailing Address: | 2458 Old Dorsett Rd Suite 311 Maryland Heights, MO 63043 | | | | |
| Subdivision Book - Page: | | | | | |
| Assessor's Book - Page: | 09 - 0763 | | | | |
| City Name: | Chesterfield | | | | |
| Subdivision Name: | R H STEVEN FARM LOT PT 5 LOT SPLIT | | | | |
| Legal Description: | | | | | |
| Levee District Name: | Monarch-Chesterfield | | | | |
| Lot Number: | A | Block Number: | | | |
| Lot Dimensions: | 1235 / 1076 - <u>IRR</u> / <u>IRR</u> | Total Acres: | 15.00 | | |
| Tax Code - Description: | A - Taxable | Land Use Code: | 819 | | |
| Deed Document Number: | | | Deed Type: | | |
| Deed Book and Page: | Book: 19366 Page: 361 | Trash District: | Not Applicable | | |
| Deed Index List: | View Deed Index Information Recorded With Locator Number 17V420168 | | | | |
| School District: | Rockwood | County Council District: | 7 | | |