

urban design commission and plan commission review

# EXTERIOR LIGHTING - Rev 1

## 121 EAST WILSON STREET

Madison, Wisconsin

February 13 2023



LIGHTING **ERGONOMICS**

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| TYPE   | DESCRIPTION   |      |             |   |           |
| L  | LUMINAIRE   |      |             |   |           |
| GENERAL NOTES  |   |      |             |   |           |
| <div>1. ALL THE SHEETS IN THIS DESIGN DEVELOPMENT MANUAL, UNLESS OTHERWISE MENTIONED, TO BE PLOTTED TO 30" X 42" SHEET</div> <div>2. REFER TO LIGHTING LEGEND ON THE SIDE FOR THE FIXTURE SYMBOL &amp; ABBREVIATION INFORMATION.</div> <div>3. REFER TO SHEET LD106 FOR LUMINAIRE SCHEDULE</div> <div>4. ALL DIMENSIONS ARE IN INCHES &amp; FOOT UNLESS OTHERWISE SPECIFIED.</div> <div>5. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED. DO NOT SCALE THE DRAWING.</div> <div>6. ALL THE REFERENCED HEIGHTS ARE FROM FINISHED FLOOR TO THE BOTTOM OF THE LUMINAIRE, UNLESS OTHERWISE NOTED.</div> <div>7. FOR ALL THE LINEAR LUMINAIRES, EXACT LENGTH TO BE DERIVED FROM THE ARCHITECTURAL CONDITIONS WITHIN WHICH THEY ARE INSTALLED.</div> <div>8. PROVISIONS FOR THE REMOTE DRIVER SHALL BE MADE IN THE NEAREST ACCESSIBLE LOCATION FOR EASY MAINTENANCE. DISTANCE OF THE DRIVER FROM THE LUMINAIRE SHALL BE MAINTAINED AS PER MANUFACTURER'S RECOMMENDATIONS</div> <div>9. RELEVANT SERVICES DRAWINGS ARE TO BE READ SIMULTANEOUSLY AND PROVISION OF CUTOUTS / SLEEVES TO BE PROVIDED AS REQUIRED.</div> <div>10. ALL MANUFACTURERS CONTAINED WITHIN THIS MANUAL ARE PRESENTED TO DEFINE DESIGN DIRECTION AND PERFORMANCE. ALL FINAL SELECTIONS OF MANUFACTURERS SHALL BE AS SPECIFIED OR EQUAL.</div> |   |      |             |   |           |
| OTHER SYMBOLS  |   |      |             |   |           |
| <div></div> NOTE DESIGNATION   |   |      |             |   |           |
| <div></div> CONTROL NOTE   |   |      |             |   |           |

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Quad Capital Partners

Madison, WI

2021.27.00

| Date     | Issuance/Revisions             | Symbol |
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| 02/13/23 | URBAN DESIGN COMMISSION REVIEW |        |
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|          |                                |        |
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|          |                                |        |
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|          |                                |        |

COVER SHEET  
LIGHTING

LD100

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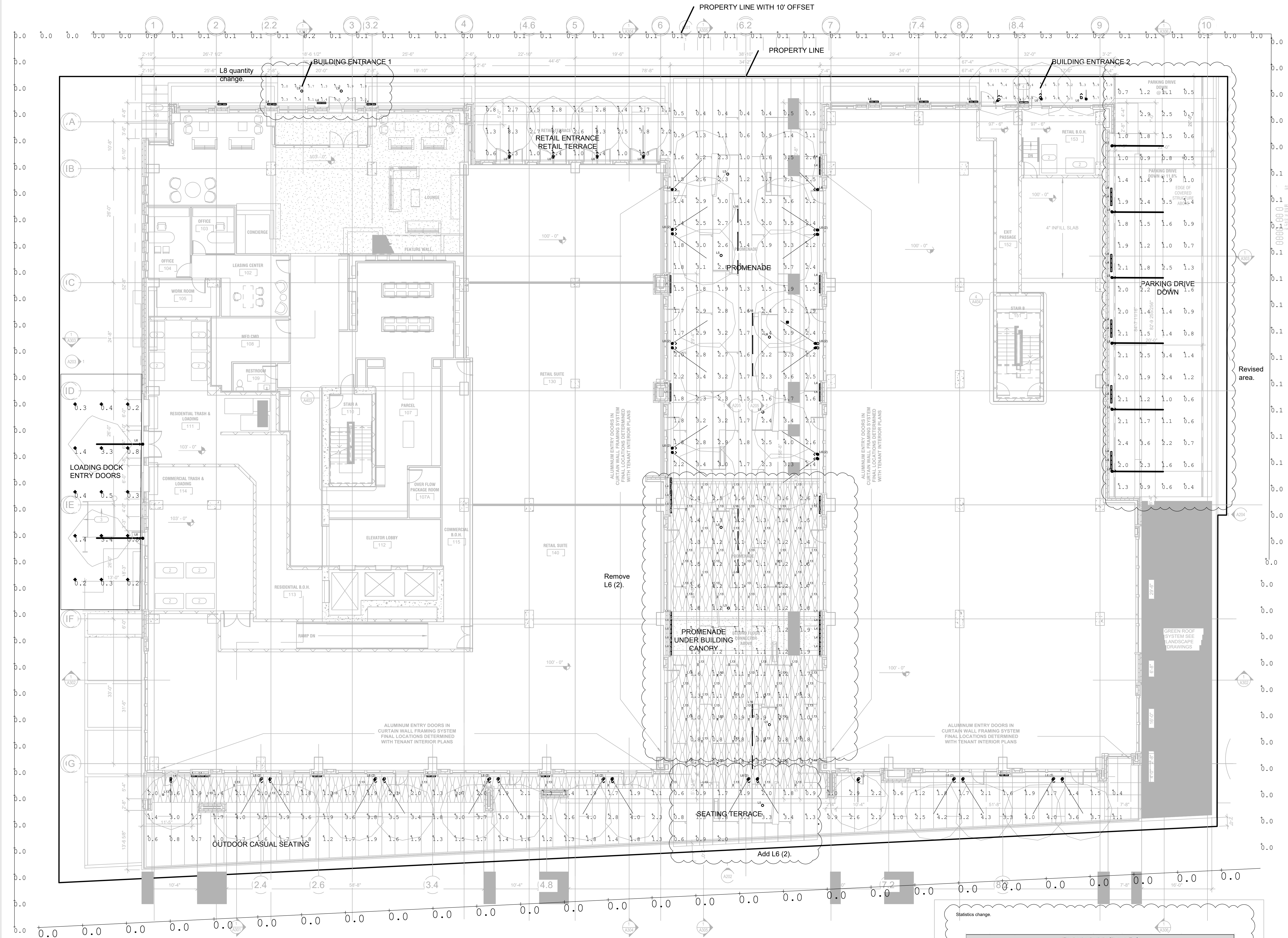
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PARKING LEVEL 3  
LIGHTING PLAN

LD101





01 FIRST FLOOR LIGHTING PLAN  
LD102 1/8" = 1'-0"

Except for these three Entry Points to the building, all other spaces meet the code requirement of Avg. 2.5 fc. and uniformity of 5 or less.

Note that the code requires average 2.5 fc light level, and uniformity of less than 5 for the Parking areas of the property.

Because Building Entry points have more demanding visual needs of Way-finding, Focal Attraction and Safety, higher light levels are recommended. Hence, a request is made to the Building Inspection Lighting Reviewer to allow for the slightly higher light levels at these three locations, which also constitutes a very small area of the overall exterior foot-print.

| Illumination Statistics (Footcandles) |   |         |         |         |                   |
|---------------------------------------|---|---------|---------|---------|-------------------|
| S.No.                                 | Area Name                                   | Average | Maximum | Minimum | Average / Minimum |
| 1                                     | Promenade                                   | 2.03    | 4.00    | 0.40    | 5.08              |
| 2                                     | Promenade-Under Building Canopy             | 1.28    | 3.60    | 0.60    | 2.13              |
| 3                                     | Parking Drive Down                          | 1.57    | 3.60    | 0.40    | 3.93              |
| 4                                     | Seating Terrace                             | 2.33    | 4.30    | 0.60    | 3.88              |
| 5                                     | Loading Dock Entry Doors                    | 0.99    | 3.40    | 0.20    | 4.65              |
| 6                                     | Property Line Trespass West, North and East | 0.05    | 0.30    | 0.00    | na                |
| 7                                     | Property Line Trespass J Nolan              | 0.00    | 0.00    | 0.00    | na                |
| 8                                     | Building Entrance 1                         | 4.48    | 7.40    | 1.30    | 3.45              |
| 9                                     | Building Entrance 2                         | 5.04    | 7.60    | 1.90    | 2.65              |
| 10                                    | Retail Entrance & Terrace                   | 2.63    | 8.40    | 0.60    | 4.38              |

Note:  
Luminaire type L5 (Tree uplight) and L16 (Landscape Bench integrated light) is not included in the calculations



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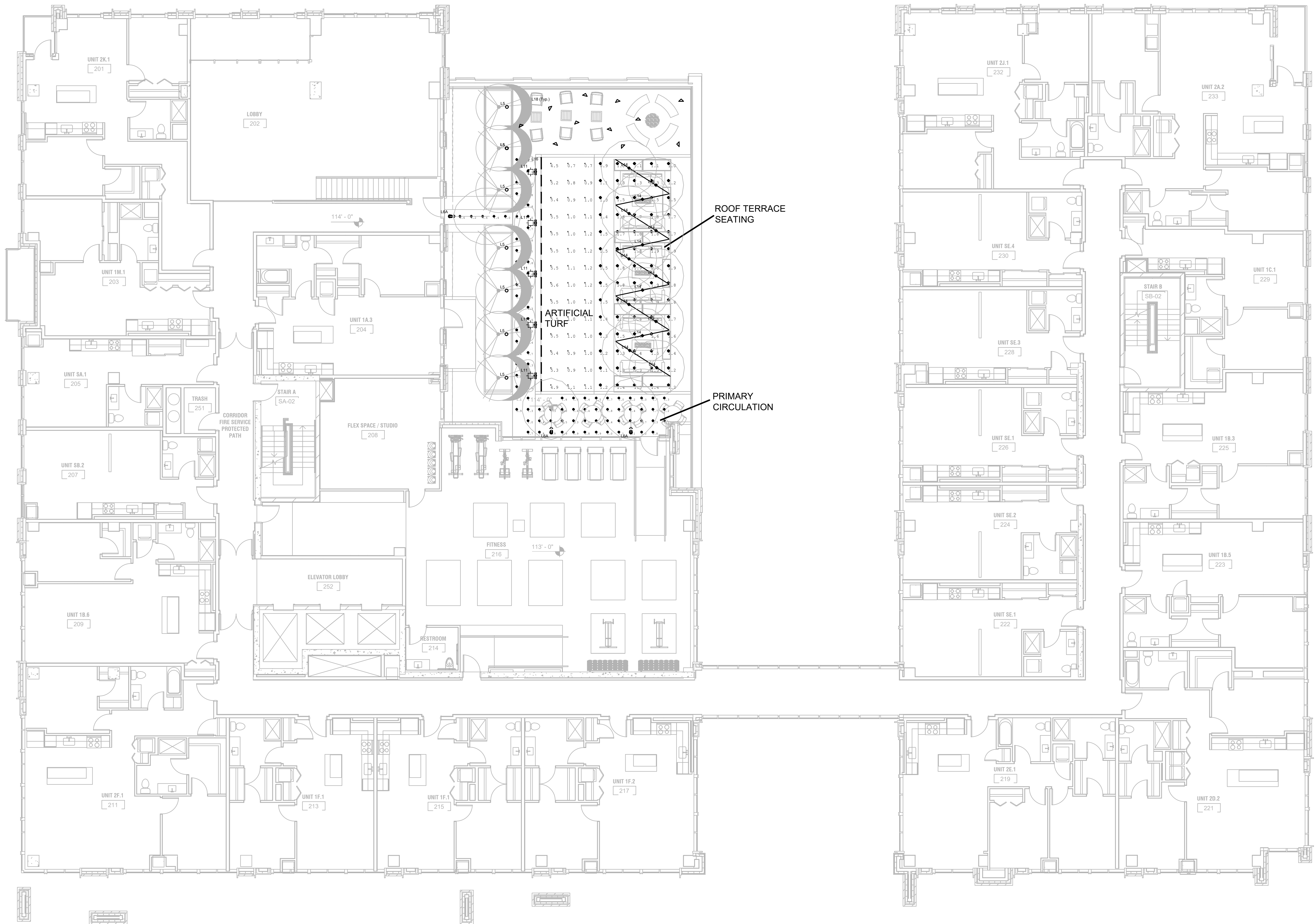
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SECOND FLOOR  
LIGHTING PLAN

LD103



Note that the code required avg. 2.5 fc light level and  
uniformity less than 5. All the three spaces meet this  
criteria.

Statistics change.

| Illumination Statistics (Footcandles) |                      |         |         |         |                   |
|---------------------------------------|----------------------|---------|---------|---------|-------------------|
| S.No.                                 | Area Name            | Average | Maximum | Minimum | Average / Minimum |
| 1                                     | Artificial Turf      | 2.45    | 5.60    | 0.70    | 3.50              |
| 2                                     | Primary Circulation  | 2.11    | 8.90    | 0.60    | 3.52              |
| 3                                     | Roof Terrace Seating | 1.52    | 2.00    | 0.90    | 1.69              |

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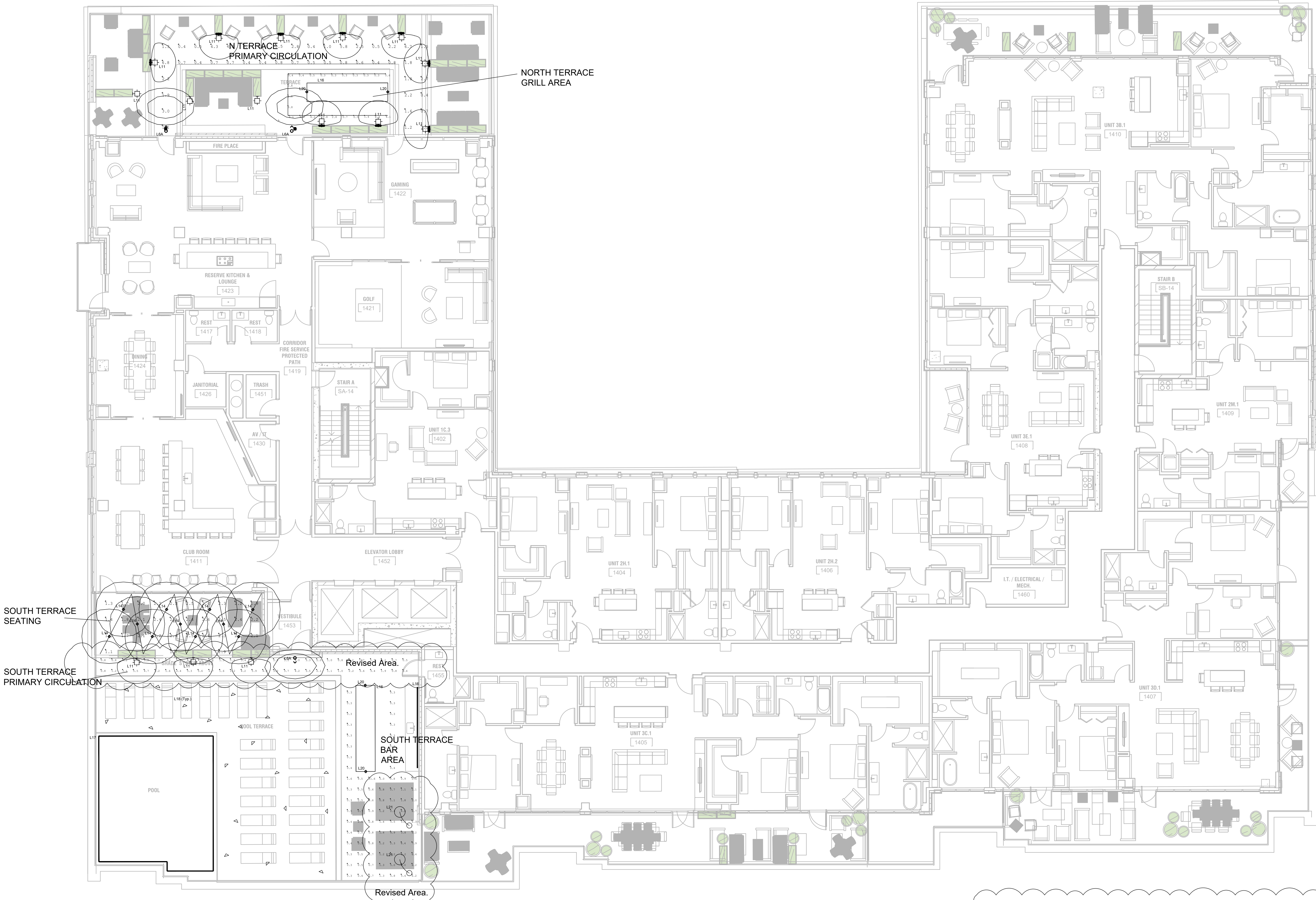
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FOURTEENTH FLOOR  
LIGHTING LAYOUT

LD104



Note that the code requires avg. 2.5 fc light level and uniformity of 5.

All the spaces here meet this average light level criteria.

However, the three spaces have slightly higher uniformity ratio than 5. These are intimate landscape spaces designed for the night-time enjoyment. They should not be treated as Parking areas where lighting requirements and method of illumination is very different.

Typically, for parking lots, the lighting methodology is through overhead pole mounted light fixtures that are elevated to produce a blanket of light on a large horizontal surfaces in the most economical and efficient fashion. Current code requirements of uniformity are easily achievable through this type of approach.

However, for the dramatic and enjoyable quality of spaces for night-time human experience, this approach could be detrimental to the desired intentions. Our goal is to make these spaces emotionally and enjoyably intimate, where the light sources are closer to landscape elements; sometimes producing minor hot-spots and higher contrasts, which are desirable in achieving appreciative aesthetic effects at the cost of higher uniformities.

Statistics change.

| Illumination Statistics (Footcandles) |                               |         |         |         |                   |
|---------------------------------------|-------------------------------|---------|---------|---------|-------------------|
| S.No.                                 | Area Name                     | Average | Maximum | Minimum | Average / Minimum |
| 1                                     | N Terrace Primary Circulation | 1.98    | 7.10    | 0.40    | 4.95              |
| 2                                     | N Terrace Grill Area          | 2.15    | 10.80   | 0.30    | 7.17              |
| 3                                     | S Terrace Primary Circulation | 2.54    | 5.90    | 0.40    | 6.35              |
| 4                                     | S Terrace Bar Area            | 2.13    | 11.60   | 0.30    | 7.10              |
| 5                                     | S Terrace Seating             | 2.09    | 2.60    | 1.10    | 1.90              |

Note:  
Luminaire type L7 (Pool light) and L20 (Bar Counter top task light) and L20 (Floor Lampshade) are not included in the calculations

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|          |                                |        |
|          |                                |        |

**BUILDING FACADE  
LIGHTING**

LD105



L6



COMPACT ADJUSTABLE SPOT  
HEAD AIMED DOWNWARDS FOR  
A BUILDING PERIMETER  
ILLUMINATION

L12



CUSTOM WALL BRACKETED WITH CONCEALED LED FOR  
INDIRECT WALL ILLUMINATION. CONSIDER TOTAL OF  
20 FIXTURES ON THIS WALL.

L4














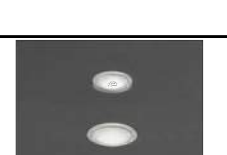

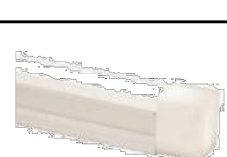




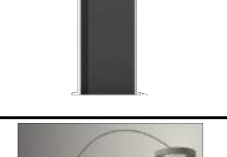
WALL GRAZER AIMED OWNWARDS  
TO GRAZE TEXTURED STONE  
WALL. LUMINAIRE CONCEALED  
FROM NORMAL VIEW

L10

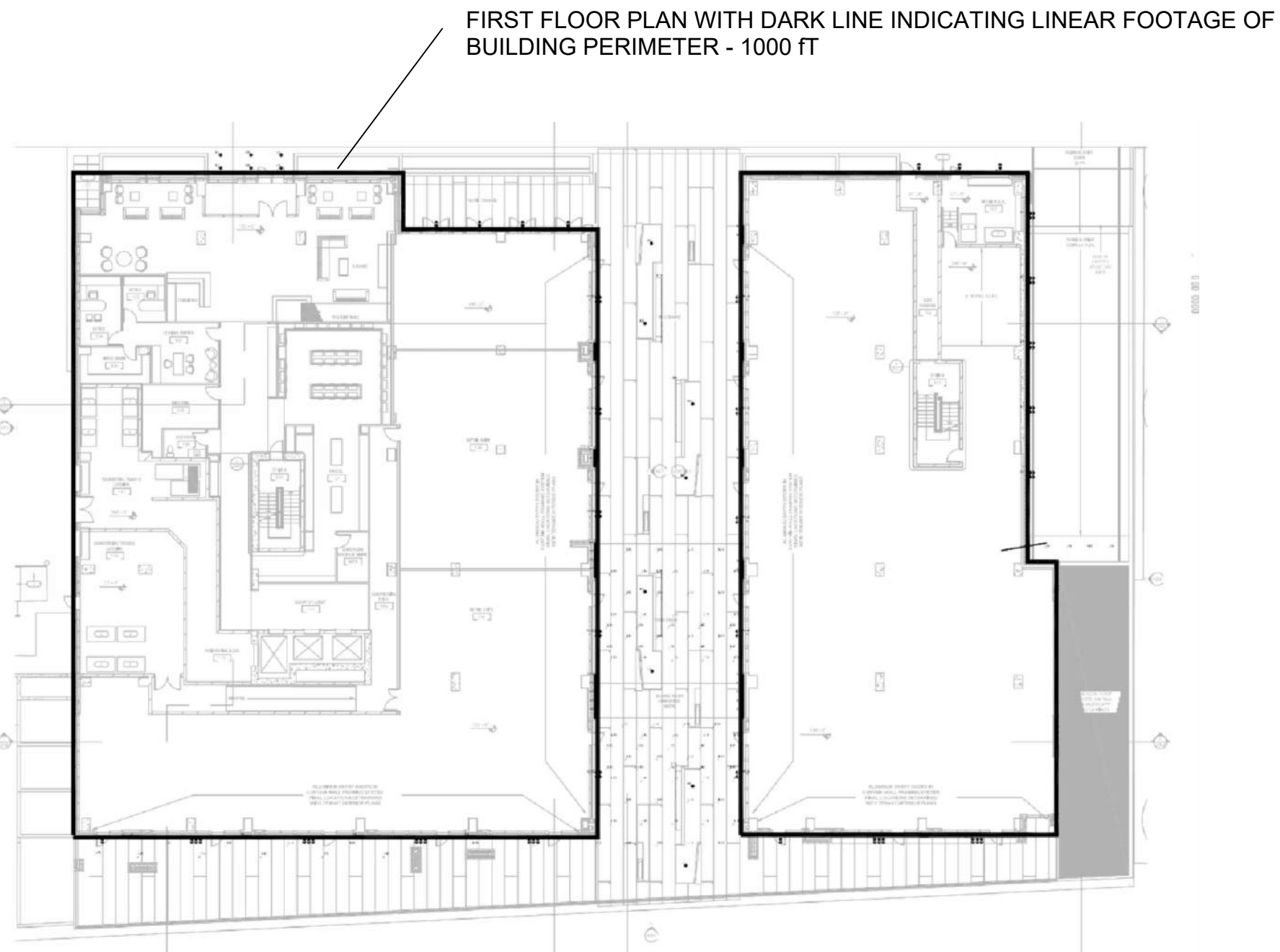


INDIRECT LIGHTING AT  
INDIVIDUAL RESIDENTIAL  
BALCONIES

LUMINAIRE SCHEDULE

| Luminaire Reference | Image   | Where Fixtures are Proposed to be Used                        | Generic Luminaire Description: [Physical] [Mounting] [Profile/Shape] & [Function]  | Reference Product   | Wattage  | Lumens   |
|---------------------|---|---|--|---|--|--|
| L1                  | Not Used  |   |  |   |  |  |
| L2                  | Not Used  |   |  |   |  |  |
| L3                  | Not Used  |   |  |   |  |  |
| L4                  |    | Exterior Promenade Textured Column Accent                     | 2.64"H x 2"W x 24"L Extruded Aluminum Surface Mounted Wet Location Grazing Downlight   | Insight: Medley Exterior Remote (MER) Series  | 18 Watts                                       | 1566 lm  |
| L5                  |    | Exterior Tree and Plant life Uplight Accent                   | 8-1/8" Diameter x 8-3/4" D Die-Cast Aluminum Housing with Stainless Steel Faceplate In-Grade Symmetric Uplight   | BEGA: Series 77913  | 8.2 Watts                                      | 470 lm   |
| L6                  |    | 15 Degree Beam Pattern for Promenade Area Lighting            | 2.6" Square x 8.9"L Top of Mullion Surface Mounted Aimable Luminaires for Promenade Area Accent Lighting - All shielded with for Dark Sky Compliance with Honeycomb Glare Reducing Accessory | EcoSense: Rise Series F080 Single   | 11.5 Watts                                     | 744 lm   |
| L6A                 |    | 20 Degree Beam Spread for Seating Area Lighting               | 2.6" Square x 8.9"L Top of Mullion Surface Mounted Aimable Luminaires for Area Accent Lighting - All shielded for Dark Sky Compliance with Elliptical Beam Lens Accessory                    | EcoSense: Rise Series F080 Single   | 4 Watts  | 300 lm   |
| L7                  |    | Elevated Terrace (Second Floor - If Shown) Circulation Spaces | 7.8"W x 6.8"D x 39.3"H Extruded and Die Cast Aluminum Landscape Bollard (Where Shown)  | Ligman: Prague 2 Medium Series  | 14 Watts                                       | 1660 lm  |
| L8                  |    | Canopy frame integrated downlight                             | 3" Diameter Surface Mounted Wet Location Downlight with Remote Driver  | DesignPlan: EYE 80 Surface Version Series   | 5 Watts  | 400 lm   |
| L9                  | Not Used  |   |  |   |  |  |
| L10                 |    | Individual Residential Unit Balcony Uplighting                | 2.56"H x 12.20"L x 2.17"D Die Cast Aluminum Inverted Wall light for Indirect Patio Ceiling Accent Light  | DesignPlan: Step Linear 07 Series   | 10.5Watts                                      | 324 lm   |
| L11                 |   | Flush Mounted Landscape Step Light                            | 2.36" Square Truncated Pyramid Flush Mounted Landscape Step/Pathway Single Downlight   | Design Plan: Beam 2.7 LED Wall Mount IP67 Series  | 2 Watts  | 70 lm  |
| L12                 |  | Exterior Parking Level Wall on John Nolen Dr.                 | Nominal 12"D x 4.5"W x 4'H Custom Fabricated Linear Wall Bracket with 100% light directed towards wall in an indirect light distribution   | Custom Fabricated luminaire.  | 10 Watts                                       | 400 lm   |
| L13                 |  | Wilson Promenade Entrance Ceiling                             | 5" Square x 2.52" Deep Recessed Ceiling Area Light within Decorative Ceiling System  | Design Plan: QUBY IP54 Series   | 2 Watts  | 200 lm   |
| L14                 |  | Catenary Suspended Accent Lighting                            | Low Voltage 6" Dia. x 7.67"H Dark Sky Shielded catenary strung fixtures on 48" centers in lengths indicated on lighting plans  | California Accent Lighting Inc. (CALI) Series: ML2000-CACA-48-3.0K-GSFL-DM-WET-BK -100' | 3 Watts  | 256 lm   |
| L15<br>(A, B, C)    |  | Various Locations Requiring Additional Downlighting           | 3.2", 4.9", 7.9" Diameter Recessed Downlights where indicated on Lighting Plans.   | DesignPlan: EYE Recessed LED Downlight Series   | 5 Watts<br>12Watts<br>20 Watts                 | 400 lm<br>950 lm<br>1400 lm                    |
| L16                 |  | Bench Integrated Linear Encapsulated LED Channel              | 0.7" x 0.7" Channel with Encapsulated LED Neon Strip in Lengths indicated on Lighting Plans  | PureEdge: Channel Neon Series   | 1.5 Watts/ft.                                  | 50 lm/ft.                                      |
| L17                 |  | Pool Partial Perimeter Outline with Submersible Neon Strip    | 0.7" x 0.7" Channel with Encapsulated LED Neon Strip in Lengths indicated on Lighting Plans  | PureEdge: Channel Neon Series   | 5 Watts/ft.                                    | 212 lm/ft.                                     |
| L18                 |  | Geometric Luminous Shapes Recessed into Grade Substanece      | Triangular IP67 Rated LED Luminous Grade Recessed Forms in Patterns Designed by Architect and Landscape Architect  | DesignPlan: MIN/MAX Triangolo In-Grade Series   | 9.6 - 43 Watts per Segment - Pattern Dependent | 79 lm - 412 lm per segment - Pattern Dependent |
| L19                 |  | OPTIONAL Pergola Downlight for Seating Area                   | Optional Luminaire System to the Type L14 Catenary System  | PureEdge: Catenary Saber Neon Series  | 4.4 Watts/ft.                                  | 312 lm/ft.                                     |
| L20                 |  | Surface Mounted Light on Grill Counter Top                    | 4 7/8"W x 21"H x 1" Square Depth Surface Counter Mounted Area Light  | Rejuvenation: Boyleston LED Path Light Series   | 2 Watts  | 125 lm   |
| L20<br>Alternate    |  | Surface Mounted Light on Grill Counter Top                    | 4"W x 5.7"D x 19/6"H with 2" x 4" Footprint on Counter Top - Dimmable Task Light   | Ligman: Prague 1 Small Series   | 8 Watts  | 855 lm   |
| L21                 |  | Floor Mounted Exterior Rated Arc Light                        | 67"W x 67.25"H x 18"D Fixture with 18.11"W x 11.4"H Shade Wet Location Rated Varnished Fiberglass Arc Floor Lamp with Varnished Fiber Shade  | Foscarini: Twiggy Grid Outdoor Floor Lamps Series                                       | 18 Watts                                       | 1200 lm  |

CONNECTED LIGHTING LOAD FOR ILLUMINATING BUILDINGS AND STRUCTURE



LOAD CALCULATION SCHEDULE

| LPD Calculations for the Building Facade Lighting |  |               |          |               |
|---|--|---------------|----------|---------------|
| Luminaire Type                                    | Location used on the project   | Wattage       | Quantity | Total Wattage |
| L4  | First Floor Textured Stone Walls                                     | 18            | 39       | 702           |
| L6  | Terraces, Entrance, Promenade, Outdoor Seating & Parking Entrance    | 11.5          | 44       | 506           |
| L8  | Building Entrance  | 5             | 3        | 15            |
| L10   | Residence Balconies  | 10.5          | 110      | 1155          |
| L12   | Random Array of Accent Wall Fixtures at Lakeside                     | 10            | 20       | 200           |
| L13   | Retail Entrance Canopy, Under Building Canopy, Casual Seating Canopy | 2             | 92       | 184           |
|   |  | Project Total |          | 2762          |

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LIGHTING  
SCHEDULES

LD106

PROJECT:

TYPE:

CATALOG #: MER-

## PROFILE

|                   |   |
|-------------------|---|
| LIGHT SOURCE      | 3.5 W/FT, 9.0 W/FT, 15.0 W/FT   |
| OPTICS            | 7° X 60°, 10° X 10°, 10° X 60°, 10° X 90°, 20° X 20°, 20° X 60°, 40° X 40°, 40° X 60°, 40° X 90°, 60° X 60°, 90° X 90° 80° X 80°, ASY |
| CCT               | 27K, 30K, 35K, 40K, RED, GREEN, BLUE, AMBER   |
| CRI               | 82 (OPTIONAL 90+)   |
| PERFORMANCE       | UP TO 117530 PEAK CANDELA   |
| VOLTAGE           | UNIVERSAL 120-277 V   |
| POWER             | REMOTE POWER SUPPLY   |
| CONTROL           | 0-10V, DMX, LUTRON HI-LUME  |
| DIMENSIONS        | 1.85" X 2.00"   |
| HOUSING           | PRECISION EXTRUDED ALUMINUM   |
| LENS              | HIGH DENSITY TEMPERED GLASS   |
| FINISH            | HIGH DURABILITY POWDER COATING  |
| OPERATING TEMP    | -20° C TO 50° C   |
| WARRANTY          | 5-YEAR LIMITED  |
| LUMEN MAINTENANCE | 75,000 HOURS  |
| CERTIFICATION     | ETL AND cETL FOR IP67, IK07, 5G/3G OPTIONS  |

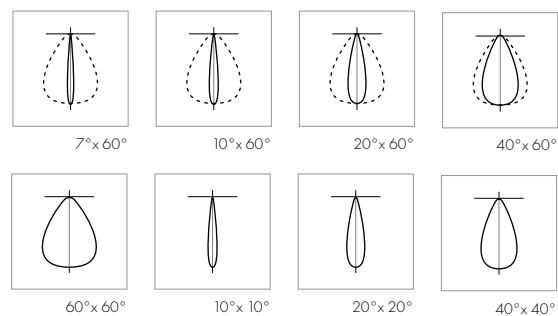


## STANDARD FINISHES



## OPTICS

Not all available optics shown

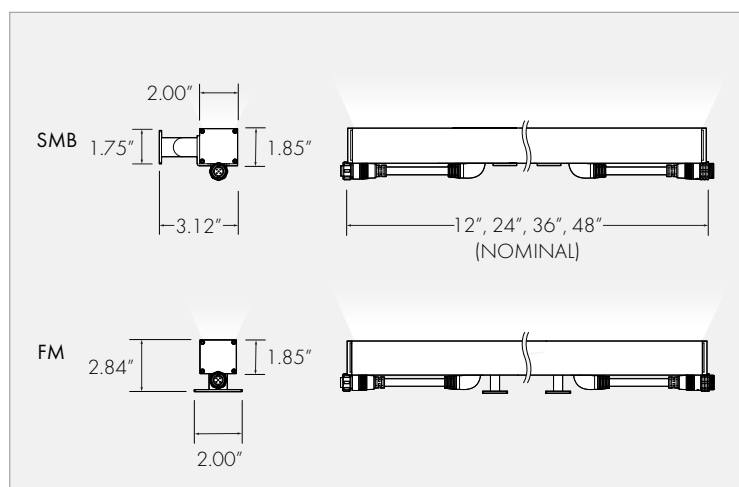


## PERFORMANCE SAMPLE

[Go to Performance Data >](#)

|                 |           |           |           |           |           |
|-----------------|-----------|-----------|-----------|-----------|-----------|
| 40K, HO, 48.00" | 10° X 10° | 10° X 60° | 20° X 20° | 80° X 80° | 100°      |
| LUMENS          | 6316      | 5417      | 6475      | 6161      | 6459      |
| CANDELA         | 117530    | 19943     | 52385     | 3960      | 2739      |
| EFFICACY        | 91.2 LM/W | 77.3 LM/W | 93.3 LM/W | 88.8 LM/W | 94.4 LM/W |

## PROFILE

[Go to Fixture Dimensions >](#)


## OPTIONS

\* Shown with white diffusing lens



LOUVER

DIRECT VIEW DOME LENS

CONCEALED WIRING

VISOR

|          |       |            |      |   |   |   |   |   |   |   |   |
|----------|-------|------------|------|---|---|---|---|---|---|---|---|
| PROJECT: | TYPE: | CATALOG #: | MER- | - | - | - | - | - | - | - | - |
|----------|-------|------------|------|---|---|---|---|---|---|---|---|

## SPECIFICATION

MER | | | | | | | | Separate options with dashes

Separate options with dashes

|                        |         |   |   |         |   |   |      |   |  |                                    |  |  |         |  |
|------------------------|---------|---|---|---------|---|---|------|---|--|------------------------------------|--|--|---------|--|
| 1                      | 2       | 3 | 4 | 5       | 6   | 7 | 8    |   |  |                                    |  |  |         |  |
| 1                      | FIXTURE |   |   | 4       | OPTIC   |   | 5    | MOUNTING  |  | 8                                  | FINISH   |  |         |  |
| MEDLEY EXTERIOR REMOTE |         |   |   | MER     | 7° X 60°  |   | 760  | SURFACE MOUNT   |  | SM                                 | TEXTURED WHITE   |  | TW      |  |
|                        |         |   |   |         | 10° X 10°   |   | 1010 | 5G Ansi C136.31 rated   |  |                                    | TEXTURED BLACK   |  | TB      |  |
| 2                      |         |   |   | WATTAGE |   |   |      | GROUND MOUNT  |  | GM                                 | TEXTURED BRONZE  |  | TBR     |  |
| LOW OUTPUT             |         |   |   | LO      | 10° X 60°   |   | 1060 | EXTENDED ARM  |  | EA-X                               | TEXTURED LIGHT BRONZE  |  | TLB     |  |
| 3.5 W/FT               |         |   |   |         | 10° X 90°   |   | 1090 | X = extended arm length specify 6", 12" or 18"  |  |                                    | TEXTURED GRAY  |  | TG      |  |
| MEDIUM OUTPUT          |         |   |   | MO      | 20° X 20°   |   | 2020 | 6.00" arm is 3G Ansi C136.3 rated   |  |                                    | TEXTURED SANDSTONE   |  | TS      |  |
| 9.0 W/FT               |         |   |   |         | 20° X 60°   |   | 2060 | EXTENDED ARM, BACK  |  | EAB-X                              | ANODIZED ALUMINUM  |  | AA      |  |
| HIGH OUTPUT            |         |   |   | HO      | 20° X 90°   |   | 2090 | X = extended arm length specify 6", 12" or 18"  |  |                                    | Includes CRF finish  |  |         |  |
| 15.0 W/FT              |         |   |   |         | 40° X 40°   |   | 4040 | SURFACE BACK MOUNT  |  | SMB                                | CUSTOM COLOR   |  | CC      |  |
| 3                      |         |   |   | CCT     |   |   |      | FIXED MOUNT   |  | FM                                 | Contact factory for custom color - additional charges will apply |  |         |  |
| 2700K                  |         |   |   | 27K     | 40° X 60°   |   | 4060 | Not intended for continuous run applications  |  |                                    |  |  |         |  |
| 3000K                  |         |   |   | 30K     | 40° X 90°   |   | 4090 | END MOUNT   |  | EM                                 | 7  |  | OPTIONS |  |
| 3500K                  |         |   |   | 35K     | 60° X 60°   |   | 6060 | Not intended for continuous run applications  |  |                                    | HIGH CRI, 90+  |  | HCRI    |  |
| 4000K                  |         |   |   | 40K     | 60° X 90°   |   | 6090 | STAKE MOUNT   |  | STM                                | LOUVER   |  | LV      |  |
| RED                    |         |   |   | R       | 80° X 80°   |   | 8080 | 6   |  | Field installable snooted louver   |  |  |         |  |
| GREEN                  |         |   |   | G       | 100° X 100°   |   | 100  | 6   |  | LLF of 10% -15% depending on color |  |  |         |  |
| BLUE                   |         |   |   | B       | ASYMMETRIC DIRECT   |   | AD   | 12"   |  | 12                                 | VISOR  |  | VS      |  |
| AMBER                  |         |   |   | A       | Direct = down-light   |   |      | 24"   |  | 24                                 | Field installable visored louver                                 |  |         |  |
|                        |         |   |   |         | Asymmetric distribution is intended for a wall height of 10.0 FT to 12.0 FT with the fixture setback 18.00" from the wall |   |      | 36"   |  | 36                                 | LLF of 10% -15% depending on color                               |  |         |  |
|                        |         |   |   |         | ASYMMETRIC INDIRECT   |   | AI   | 48"   |  | 48                                 | DIRECT VIEW DOME LENS  |  | DVD     |  |
|                        |         |   |   |         | Indirect = up-light   |   |      | Nominal lengths   |  |                                    | LLF OF 30%   |  |         |  |
|                        |         |   |   |         | Asymmetric distribution is intended for a wall height of 10.0 FT to 12.0 FT with the fixture setback 18.00" from the wall |   |      | 7   |  | Field installable                  |  |  |         |  |
|                        |         |   |   |         |   |   |      | CONTROL OPTIONS   |  |                                    | Only available with 100° X 100°                                  |  |         |  |
|                        |         |   |   |         |   |   |      | NO DIMMING  |  | NO                                 | WHITE LENS   |  | WL      |  |
|                        |         |   |   |         |   |   |      | 0-10V DIMMING (1%)  |  | DIM                                | LLF OF 30%   |  |         |  |
|                        |         |   |   |         |   |   |      | DMX DIMMING   |  | DMX                                | Only available with 100° X 100°                                  |  |         |  |
|                        |         |   |   |         |   |   |      | DMX controls are required and must be ordered seperately  |  |                                    | CONCEALED WIRING   |  | CW      |  |
|                        |         |   |   |         |   |   |      | DMX Programming Kit required - see below  |  |                                    | Not available with 12" fixtures                                  |  |         |  |
|                        |         |   |   |         |   |   |      | LUTRON  |  | L3DOE                              | WHITE CABLING  |  | WC      |  |
|                        |         |   |   |         |   |   |      | L3DOE - Hi-lume Premier 0.1% EcoSystem 24V constant voltage LED driver with Soft-on, Fade to Black dimming technology |  |                                    | White cabling is standard with textured white finish             |  |         |  |
|                        |         |   |   |         |   |   |      | All power supplies must be ordered separately- see below for details  |  |                                    | CORROSION RES. FINISH  |  | CRF     |  |
|                        |         |   |   |         |   |   |      |   |  |                                    | Recommended for coastal or extreme exterior environments         |  |         |  |

## POWER SUPPLY & CONTROL ORDER OPTIONS

REMOTE POWER SUPPLY OPTIONS - IP67 (120V-277V) - REQUIRED

|  |       |
|--|-------|
| CONTRA EXTERIOR LOW POWER, 96W OUTPUT (NO DIM, 0-10V, DMX)       | CEL   |
| CONTRA EXTERIOR STANDARD POWER, 240W OUTPUT (NO DIM, 0-10V, DMX) | CES   |
| CONTRA EXTERIOR HIGH POWER, (2)-240W OUTPUT (NO DIM, 0-10V, DMX) | CEH   |
| CONTRA EXTERIOR STANDARD POWER, 96W OUTPUT (LUTRON I3DOE)        | CESLU |

Above wattage is based on 75% of the Power Supply's total wattage capacity

See page 3 for maximum fixture per power supply.

For specific and case by case requirements, please contact factory for assistance

DMX DISTRIBUTION & PROGRAMMING KIT - REQUIRED FOR DMX DIMMING

DMX/RDM DISTRIBUTION KIT (4 OUTPUTS) - IP67 CDS-RDM

DMX/RDM Distribution Kit consists of four outputs

Each output is limited to (1) run per output - up to 32 fixtures max

Four terminators are included for end of line termination

EXTERIOR LEADER CABLE - REQUIRED

5.0 FT LEADER CABLE LC-5

A leader cable is required for each single fixture and for each fixture run for connection from the first fixture to the j-box

Black cables are standard unless White Cabling (WC) option or Textured White (TW) fixture finish is selected

EXTERIOR JUMPER CABLES - OPTIONAL

1.0 FT JUMPER CABLE JC-1

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|                     |      |
|---------------------|------|
| 2.0 FT JUMPER CABLE | JC-2 |
|---------------------|------|

|                     |      |
|---------------------|------|
| 5.0 FT JUMPER CABLE | JC-5 |
|---------------------|------|

10.0 FT. JUMPER CABLE IC-10

|                      |       |
|----------------------|-------|
| 25.0 FT JUMPER CABLE | JC-25 |
|----------------------|-------|

Required if fixtures are not mounted in an end-to-end continuous manner and for line voltage only

Black cables are standard unless White Cabling (WC) option or Textured White (TW) fixture finish is selected.

PROJECT:

TYPE:

CATALOG #: MER- - - - -

## PERFORMANCE

Nominal lengths

| CCT AND LENGTH | OPTIC       | LOW OUTPUT (3.5 W/FT) |                   |              | MEDIUM OUTPUT (9.0 W/FT) |                   |              | HIGH OUTPUT (15.0 W/FT) |                   |              |
|----------------|-------------|-----------------------|-------------------|--------------|--------------------------|-------------------|--------------|-------------------------|-------------------|--------------|
|                |             | DELIVERED LUMENS      | LUMINARE EFFICACY | PEAK CANDELA | DELIVERED LUMENS         | LUMINARE EFFICACY | PEAK CANDELA | DELIVERED LUMENS        | LUMINARE EFFICACY | PEAK CANDELA |
| 4000K<br>24"   | 7° X 60°    | 998 LM                | 1070 LM/W         | 3662         | 1685 LM                  | 110.0 LM/W        | 6189         | 3366 LM                 | 98.0 LM/W         | 12363        |
|                | 10° X 10°   | 932 LM                | 100.5 LM/W        | 17011        | 1566 LM                  | 103.0 LM/W        | 28686        | 3158 LM                 | 91.2 LM/W         | 58765        |
|                | 10° X 60°   | 804 LM                | 86.6 LM/W         | 2905         | 1348 LM                  | 88.4 LM/W         | 4871         | 2709 LM                 | 77.3 LM/W         | 9972         |
|                | 20° X 20°   | 948 LM                | 102.1 LM/W        | 7658         | 1601 LM                  | 102.4 LM/W        | 12983        | 3238 LM                 | 93.3 LM/W         | 26193        |
|                | 20° X 60°   | 862 LM                | 92.8 LM/W         | 1893         | 1451 LM                  | 96.2 LM/W         | 3207         | 2914 LM                 | 84.6 LM/W         | 6379         |
|                | 40° X 40°   | 1001 LM               | 108.0 LM/W        | 1395         | 1688 LM                  | 111.0 LM/W        | 2338         | 3392 LM                 | 98.8 LM/W         | 4733         |
|                | 40° X 60°   | 896 LM                | 96.7 LM/W         | 724          | 1497 LM                  | 98.6 LM/W         | 1211         | 3039 LM                 | 88.1 LM/W         | 2470         |
|                | 60° X 60°   | 993 LM                | 1071 LM/W         | 882          | 1666 LM                  | 109.3 LM/W        | 1485         | 3354 LM                 | 97.7 LM/W         | 2999         |
|                | 80° X 80°   | 912 LM                | 98.2 LM/W         | 585          | 1525 LM                  | 100.1 LM/W        | 976          | 3081 LM                 | 88.8 LM/W         | 1980         |
|                | 100° X 100° | 620 LM                | 86.8 LM/W         | 263          | 1964 LM                  | 93.3 LM/W         | 829          | 3230 LM                 | 94.4 LM/W         | 1370         |
|                | ASY         | 888 LM                | 96.3 LM/W         | 3134         | 1473 LM                  | 97.8 LM/W         | 5199         | 2890 LM                 | 88.2 LM/W         | 9369         |
| 4000K<br>36"   | 7° X 60°    | 1496 LM               | 1070 LM/W         | 5492         | 2527 LM                  | 110.0 LM/W        | 9283         | 5048 LM                 | 98.0 LM/W         | 18544        |
|                | 10° X 10°   | 1398 LM               | 100.5 LM/W        | 25516        | 2349 LM                  | 103.0 LM/W        | 43029        | 4737 LM                 | 91.2 LM/W         | 88148        |
|                | 10° X 60°   | 1205 LM               | 86.6 LM/W         | 4357         | 2022 LM                  | 88.4 LM/W         | 7306         | 4063 LM                 | 77.3 LM/W         | 14957        |
|                | 20° X 20°   | 1421 LM               | 102.1 LM/W        | 11486        | 2402 LM                  | 102.4 LM/W        | 19474        | 4856 LM                 | 93.3 LM/W         | 39289        |
|                | 20° X 60°   | 1292 LM               | 92.8 LM/W         | 2840         | 2177 LM                  | 96.2 LM/W         | 4810         | 4371 LM                 | 84.6 LM/W         | 9569         |
|                | 40° X 40°   | 1502 LM               | 108.0 LM/W        | 2093         | 2531 LM                  | 111.0 LM/W        | 3506         | 5088 LM                 | 98.8 LM/W         | 7100         |
|                | 40° X 60°   | 1344 LM               | 96.7 LM/W         | 1086         | 2245 LM                  | 98.6 LM/W         | 1817         | 4559 LM                 | 88.1 LM/W         | 3704         |
|                | 60° X 60°   | 1489 LM               | 1071 LM/W         | 1322         | 2499 LM                  | 109.3 LM/W        | 2228         | 5031 LM                 | 97.7 LM/W         | 4499         |
|                | 80° X 80°   | 1368 LM               | 98.2 LM/W         | 877          | 2287 LM                  | 100.1 LM/W        | 1464         | 4621 LM                 | 88.8 LM/W         | 2970         |
|                | 100° X 100° | 929 LM                | 86.8 LM/W         | 394          | 2946 LM                  | 93.3 LM/W         | 1244         | 4844 LM                 | 94.4 LM/W         | 2054         |
|                | ASY         | 1332 LM               | 96.3 LM/W         | 4700         | 2209 LM                  | 97.8 LM/W         | 7798         | 4335 LM                 | 88.2 LM/W         | 14053        |
| 4000K<br>48"   | 7° X 60°    | 1995 LM               | 1070 LM/W         | 7323         | 3369 LM                  | 110.0 LM/W        | 12377        | 6731 LM                 | 98.0 LM/W         | 24725        |
|                | 10° X 10°   | 1864 LM               | 100.5 LM/W        | 34021        | 3132 LM                  | 103.0 LM/W        | 57372        | 6316 LM                 | 91.2 LM/W         | 117530       |
|                | 10° X 60°   | 1607 LM               | 86.6 LM/W         | 5809         | 2696 LM                  | 88.4 LM/W         | 9741         | 5417 LM                 | 77.3 LM/W         | 19943        |
|                | 20° X 20°   | 1895 LM               | 102.1 LM/W        | 15315        | 3202 LM                  | 102.4 LM/W        | 25965        | 6475 LM                 | 93.3 LM/W         | 52385        |
|                | 20° X 60°   | 1723 LM               | 92.8 LM/W         | 3786         | 2902 LM                  | 96.2 LM/W         | 6413         | 5828 LM                 | 84.6 LM/W         | 12758        |
|                | 40° X 40°   | 2002 LM               | 108.0 LM/W        | 2790         | 3375 LM                  | 110.7 LM/W        | 4675         | 6784 LM                 | 98.8 LM/W         | 9466         |
|                | 40° X 60°   | 1792 LM               | 96.7 LM/W         | 1448         | 2993 LM                  | 98.6 LM/W         | 2422         | 6078 LM                 | 88.1 LM/W         | 4939         |
|                | 60° X 60°   | 1985 LM               | 1071 LM/W         | 1763         | 3332 LM                  | 109.3 LM/W        | 2970         | 6708 LM                 | 97.7 LM/W         | 5998         |
|                | 80° X 80°   | 1824 LM               | 98.2 LM/W         | 1169         | 3049 LM                  | 100.1 LM/W        | 1952         | 6161 LM                 | 88.8 LM/W         | 3960         |
|                | 100° X 100° | 1239 LM               | 86.8 LM/W         | 525          | 3928 LM                  | 93.3 LM/W         | 1658         | 6459 LM                 | 94.4 LM/W         | 2739         |
|                | ASY         | 1776 LM               | 96.3 LM/W         | 6267         | 2945 LM                  | 97.8 LM/W         | 10397        | 5780 LM                 | 88.2 LM/W         | 18787        |

PROJECT:

TYPE:

CATALOG #: MER- - - - -

## WIRING

## MAXIMUM FIXTURES PER POWER SUPPLY (CIRCUITS MAY NOT BE LOADED OVER 10 AMPS)

Data provided is based on 75% of the Power Supply's total wattage capacity

|                              | LOW OUTPUT (3.5 W/FT)                   |                                     |  | MEDIUM OUTPUT (9.0 W/FT)                |                                     |  | HIGH OUTPUT (15.0 W/FT)                 |                                     |  |
|------------------------------|---|-------------------------------------|--|---|-------------------------------------|--|---|-------------------------------------|--|
| NOMINAL<br>FIXTURE<br>LENGTH | CONTRA<br>STAND.<br>POWER<br>96W OUTPUT | CONTRA<br>HIGH POWER<br>240W OUTPUT | CONTRA<br>DUAL HIGH<br>POWER<br>(2)-240W | CONTRA<br>STAND.<br>POWER<br>96W OUTPUT | CONTRA<br>HIGH POWER<br>240W OUTPUT | CONTRA<br>DUAL HIGH<br>POWER<br>(2)-240W | CONTRA<br>STAND.<br>POWER<br>96W OUTPUT | CONTRA<br>HIGH POWER<br>240W OUTPUT | CONTRA<br>DUAL HIGH<br>POWER<br>(2)-240W |
| 12"                          | 27                                      | 68                                  | 136                                      | 10                                      | 26                                  | 52                                       | 5                                       | 14                                  | 28                                       |
| 24"                          | 13                                      | 34                                  | 68                                       | 5                                       | 13                                  | 26                                       | 2                                       | 7                                   | 14                                       |
| 36"                          | 9                                       | 23                                  | 46                                       | 3                                       | 8                                   | 16                                       | 2                                       | 4                                   | 8  |
| 48"                          | 6                                       | 17                                  | 34                                       | 2                                       | 6                                   | 12                                       | 1                                       | 3                                   | 6  |

## REMOTE DISTANCE LIMITS

Noncompliance with recommended remote wiring distances may void warranty

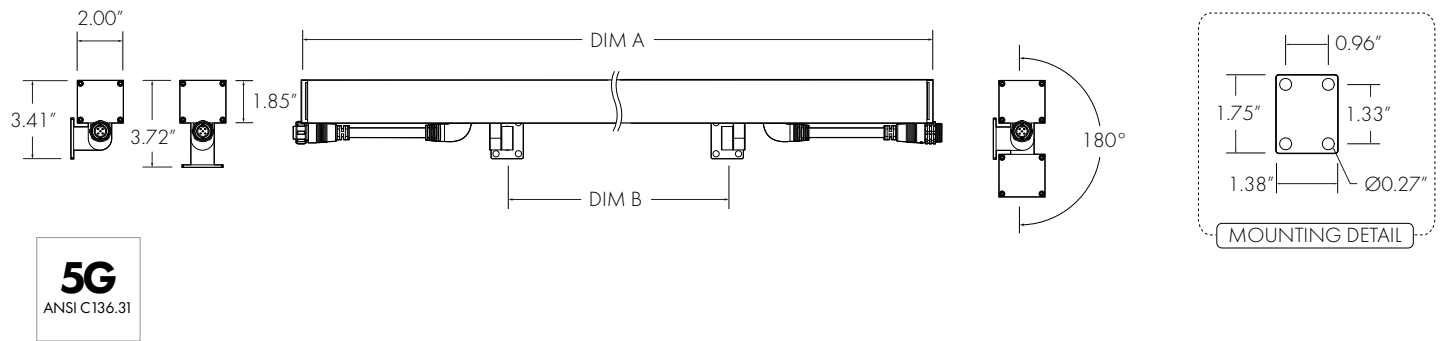
| WIRE GAUGE | MAX DISTANCE |
|------------|--------------|
| 20 AWG     | 25.0 FT      |
| 18 AWG     | 30.0 FT      |
| 16 AWG     | 40.0 FT      |
| 14 AWG     | 60.0 FT      |
| 12 AWG     | 100.0 FT     |

|          |       |                 |   |   |   |   |   |   |   |
|----------|-------|-----------------|---|---|---|---|---|---|---|
| PROJECT: | TYPE: | CATALOG #: MER- | - | - | - | - | - | - | - |
|----------|-------|-----------------|---|---|---|---|---|---|---|

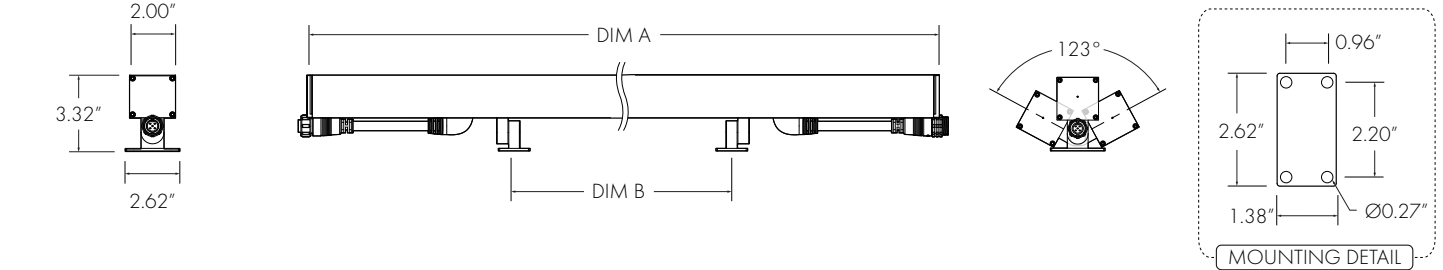
DIMENSIONS

|       | 12"    | 24"                   | 36"                     | 48"                     |
|-------|--------|-----------------------|-------------------------|-------------------------|
| DIM A | 12.10" | 23.85"                | 35.60"                  | 47.35"                  |
| DIM B | 9.28"  | 4.00" MIN   6.00" MAX | 12.00" MIN   18.00" MAX | 18.00" MIN   30.00" MAX |

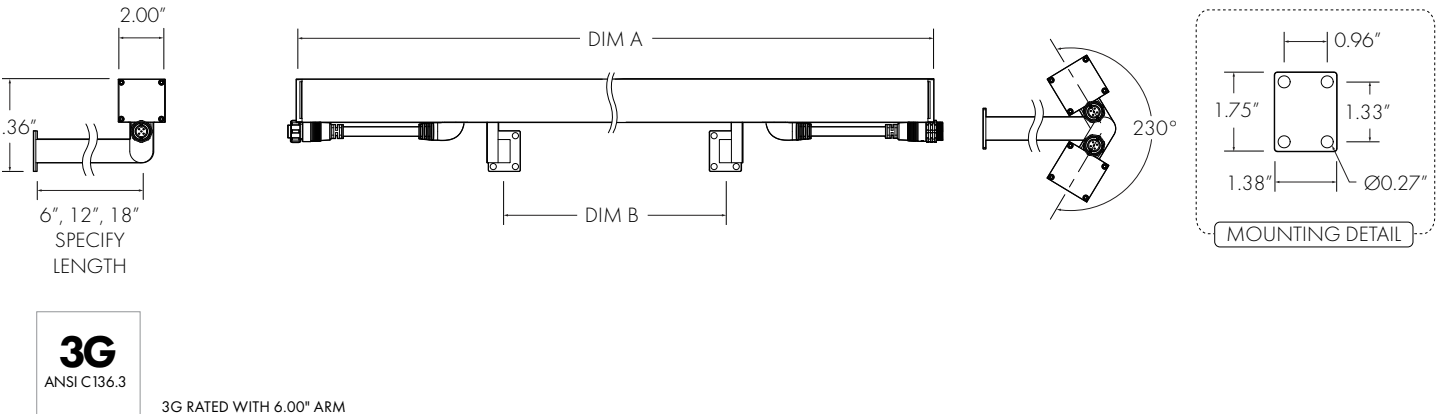
SURFACE MOUNT (SM)



GROUND MOUNT (GM)



EXTENDED ARM (EA-X)



PROJECT:

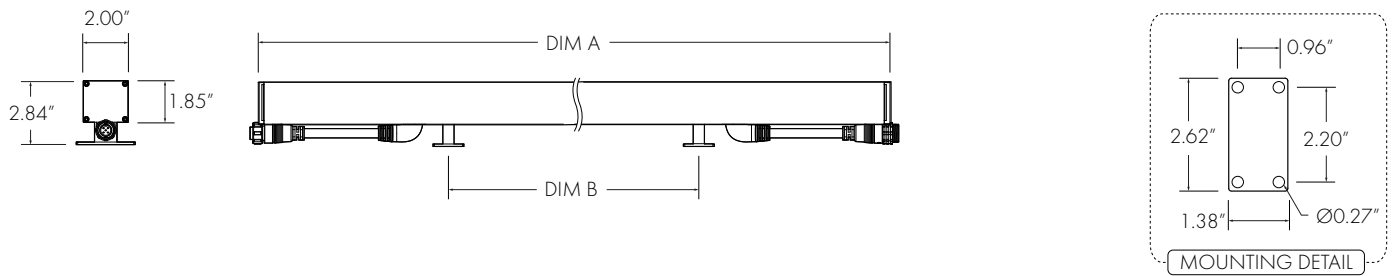
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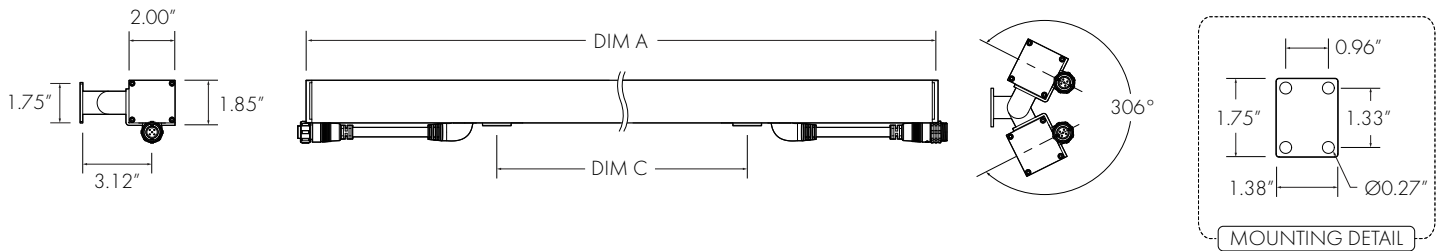
## DIMENSIONS

|       | 12"    | 24"                   | 36"                     | 48"                     |
|-------|--------|-----------------------|-------------------------|-------------------------|
| DIM A | 12.10" | 23.85"                | 35.60"                  | 47.35"                  |
| DIM B | 9.28"  | 4.00" MIN   6.00" MAX | 12.00" MIN   18.00" MAX | 18.00" MIN   30.00" MAX |

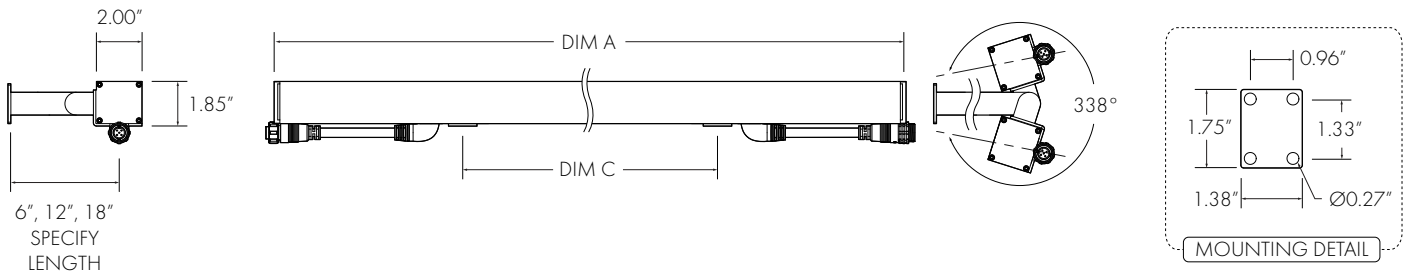
## FIXED MOUNT (FM)



## SURFACE, BACK MOUNT (SMB)



## EXTENDED ARM, BACK MOUNT (EAB-X)



PROJECT:

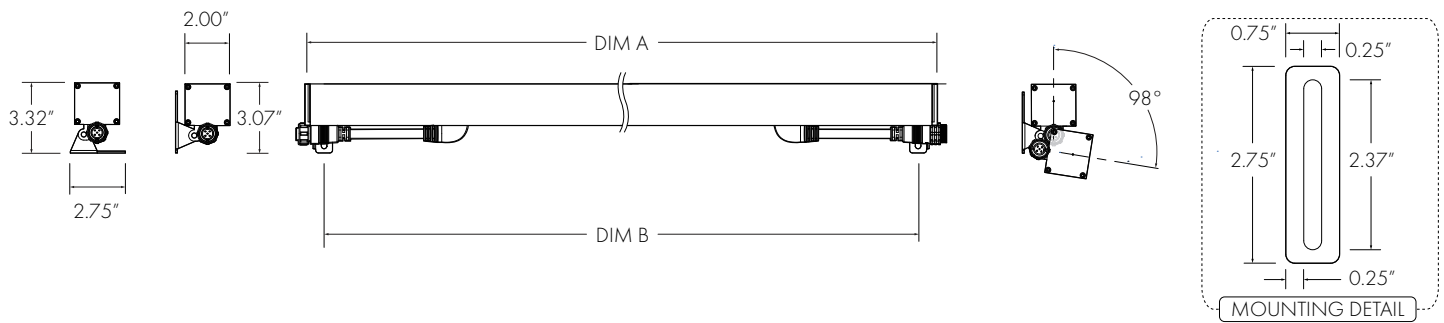
TYPE:

CATALOG #: MER-

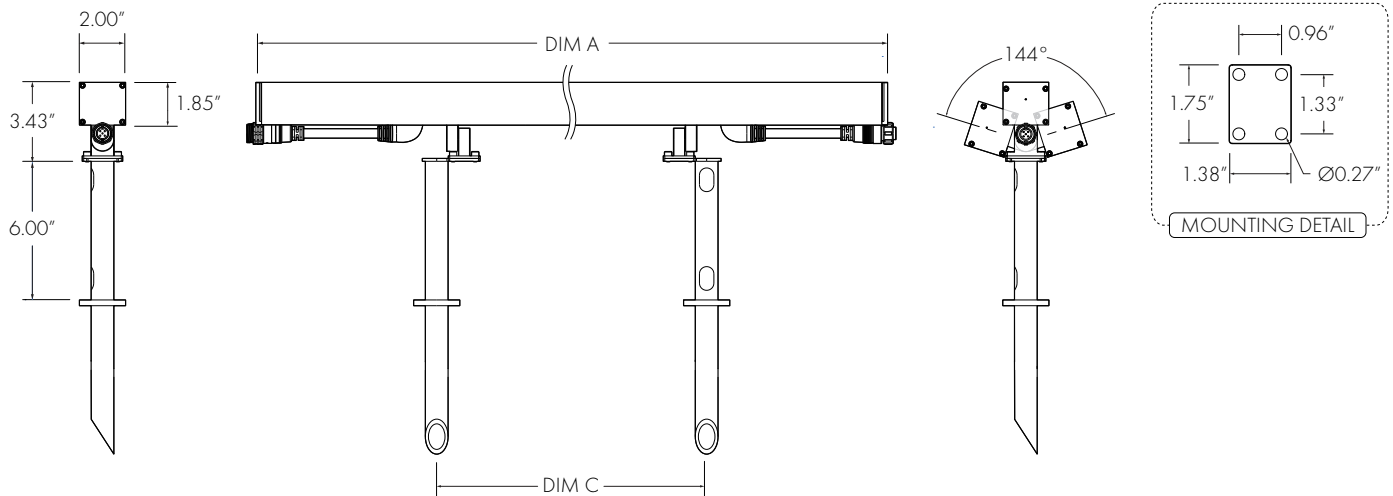
## DIMENSIONS

|       | 12.00" | 24.00"                | 36.00"                  | 48.00"                  |
|-------|--------|-----------------------|-------------------------|-------------------------|
| DIM A | 12.10" | 23.85"                | 35.60"                  | 47.35"                  |
| DIM B | 11.65" | 22.31"                | 34.06"                  | 45.81"                  |
| DIM C | 10.56" | 4.00" MIN   6.00" MAX | 12.00" MIN   18.00" MAX | 18.00" MIN   30.00" MAX |

## END MOUNT (EM)



## STAKE MOUNT (STM)



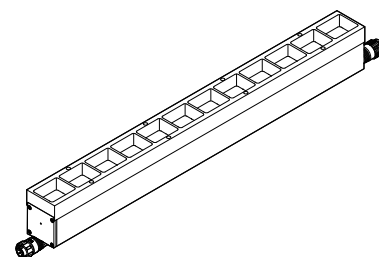
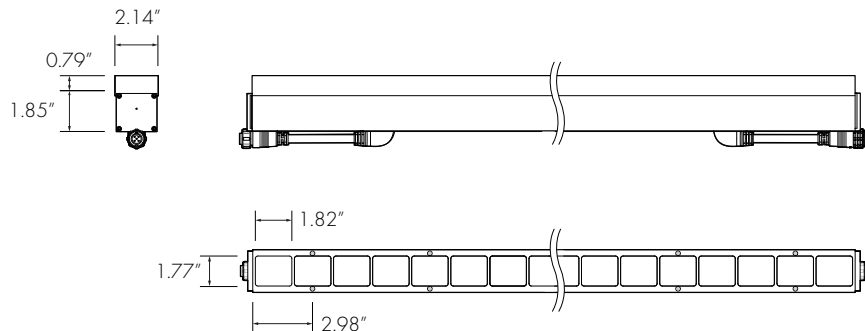
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TYPE:

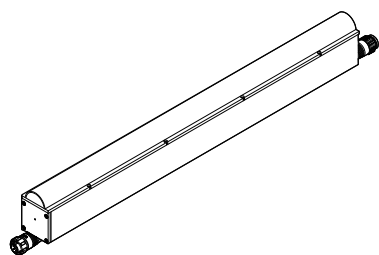
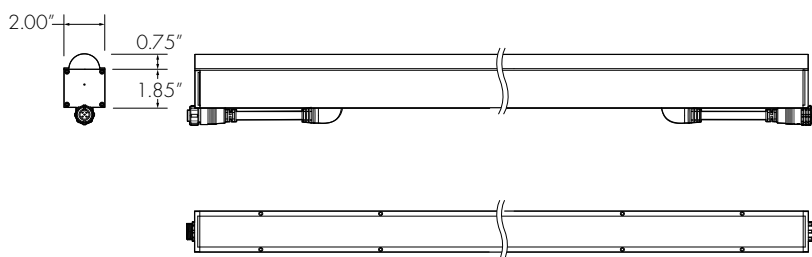
CATALOG #: MER-

## ACCESSORIES

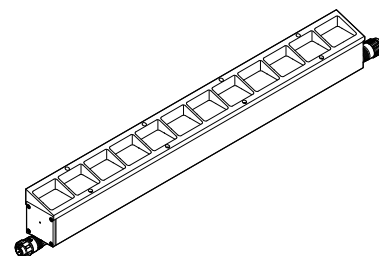
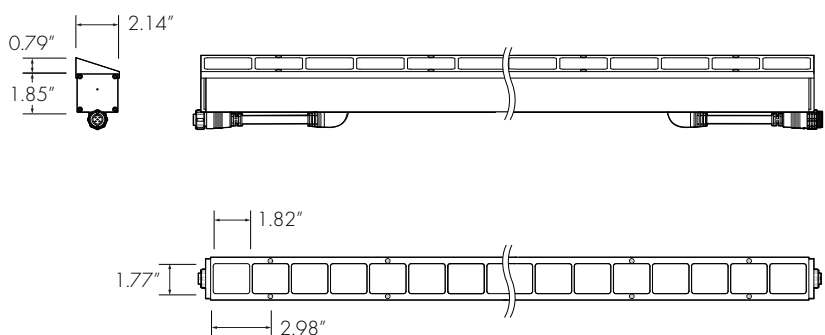
### LOUVER (LV)



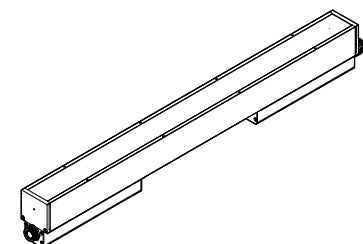
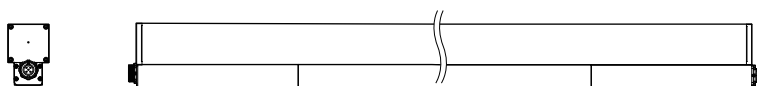
### DIRECT VIEW LENS (DV)



### VISOR (VS)



### CONCEALED WIRING (CW)

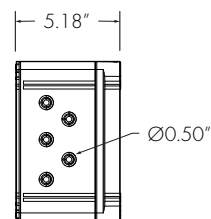
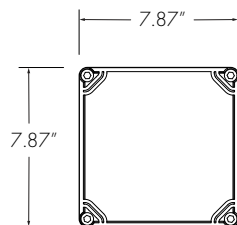
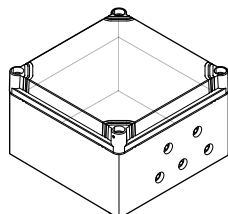


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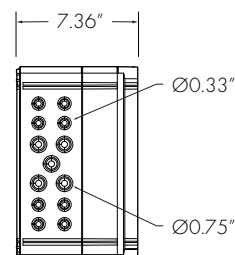
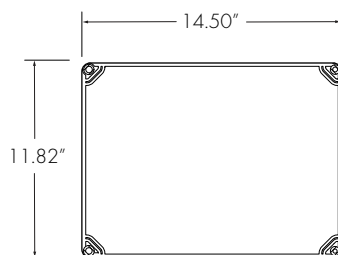
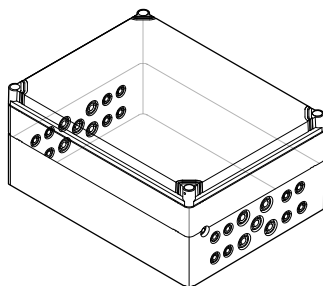
TYPE:

CATALOG #: MER-

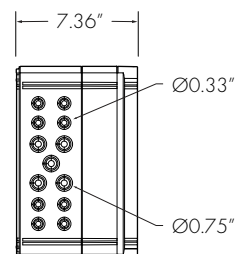
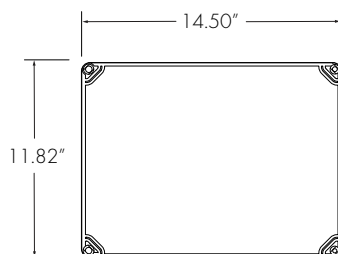
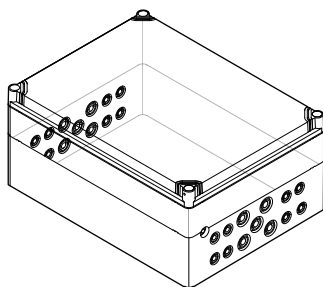
CONTRA EXTERIOR LOW POWER SUPPLY - CEL (0-10V DIMMING, DMX DIMMING)



CONTRA EXTERIOR STANDARD AND HIGH POWER SUPPLY - CES / CEH (0-10V DIMMING, DMX DIMMING)



CONTRA EXTERIOR LOW POWER SUPPLY, LUTRON L3DOE- CELU (HI-LUME PREMIER 0.1% ECOSYSTEM)



Drive-over in-ground floodlights · STAINLESS STEEL  
for installation in pre-cored holes

**Enclosure:** Heavy gauge stainless steel. Provided with two external clamps that secure the luminaire in a pre-cored hole prepared by the customer.

**Trim Ring:** Heavy gauge, machined stainless steel secured to the inner housing with captive, stainless steel fasteners. Trim is sealed in place using molded, one piece high temperature silicone gasket. Glass is tempered, 1/2" thick machined flush to trim ring.

**Electrical:** 10.9W LED luminaire, 13 total system watts, -30°C start temperature. Integral 120V through 277V electronic LED driver, 0-10V dimming. LED module(s) are available from factory for easy replacement. Standard LED color temperature is 4000K with an 85 CRI. Available in 3000K (85 CRI); add suffix K3 to order. Pure anodized aluminum reflector (non-adjustable). Inner housing pre-wired with nine (9) feet of 18/3 water stopper cabl, cable clamp, and waterproof cable gland entry into housing. A separate weatherproof wiring box for power supply must be provided (by contractor).

**Note:** LEDs supplied with luminaire. Due to the dynamic nature of LED technology, LED luminaire data on this sheet is subject to change at the discretion of BEGA-US. For the most current technical data, please refer to [www.bega-us.com](http://www.bega-us.com).

**Finish:** Machined #4 brushed stainless steel. Custom colors are not available.

**Temperature caution:** The column 'T' in this chart indicates the temperature in degrees Celsius which is reached on the center of the glass surface during operation. Surface temperatures are for exterior applications, for interior applications add 10°C to temperatures shown.

**Note:** These luminaires are designed to bear pressure loads up to 4400 lbs. from vehicles with pneumatic tires. The luminaires must not be used for traffic lanes where they are subject to horizontal pressure from vehicles braking, accelerating and changing direction.

CSA certified to U.S. and Canadian standards, suitable for wet locations. Protection class IP68 10m

**Weight:** 6.4 lbs.

**Luminaire Lumens:** 819



Symmetrical floodlights · clear safety glass

|       | Lamp      | β   | T   | A | B     | C     |
|-------|-----------|-----|-----|---|-------|-------|
| 77913 | 10.5W LED | 21° | 30° | 8 | 7 1/8 | 6 1/2 |

β = Beam angle

Type:  
BEGA Product:  
Project:  
Voltage:  
Color:  
Options:  
Modified:



| DATE | PROJECT | FIRM | TYPE |
|------|---------|------|------|
|------|---------|------|------|

RISE IS A SYSTEM OF BEAUTIFULLY DESIGNED OUTDOOR RATED LUMINAIRES THAT PROVIDE EFFICIENT AND POWERFUL LIGHT USING THE LATEST IN LED TECHNOLOGY. RISE F080 SINGLE IS A POWERFUL AND COMPACT LED LIGHT FIXTURE, DELIVERING UP TO 1170 LUMENS, THAT CAN BE USED IN SPOT, ACCENT, LANDSCAPE AND FLOODLIGHT APPLICATIONS. ITS UNIQUE MACRO<sup>™</sup> LOCK FEATURE ALLOWS FOR FULL 180 DEGREE TILT AND 360 DEGREE PAN AIMABILITY USING ONLY ONE TWIST.

#### FEATURES :

- POWERFUL CBCP
- EXTREMELY COMPACT
- POWERFUL OUTPUT UP TO 1170 LUMENS
- MACRO<sup>™</sup> LOCK - 180° TILT AND 360° PAN
- 12 UNIQUE BEAM ANGLES
- MULTIVOLT (110 V-277 V)
- 8 CCTS: 2200K THROUGH 6500K
- 80+ AND 90+ CRI
- DIMMABLE TO 5%
- IP66 RATED



| FIXTURE MODEL | FIXTURE CONFIG.  | POWER/ LUMEN OUTPUT*  | CCT/ COLOR   | CRI  | BEAM ANGLE   | FINISHES  | ACCESSORIES   | WIRING AND MOUNTING   |
|---------------|------------------|---|--|--|--|---|---|---|
| F080          | 1S - Single Head | LO - Low Output<br><br>MO - Medium Output<br><br>HO - High Output | 22 - 2200K<br>25 - 2500K<br>27 - 2700K<br>30 - 3000K<br>35 - 3500K<br>40 - 4000K<br>50 - 5000K<br>65 - 6500K<br>RD - Red<br>GR - Green<br>BL - Blue<br>AM - Amber<br><br>*2200K and 2500K not available in 40°, 60°, 70° and 90° | 8 - 80<br>9 - 90*<br>X - For RD, GR, BL, AM<br><br>*90 CRI not available in 2200K, 2500K, 5000K, and 6500K | 05 - Laser Spot (5°)<br>10 - Very Narrow Spot (10°)<br>15 - Narrow Spot (15°)<br>20 - Spot (20°)<br>40 - Flood (40°)<br>60 - Medium Flood (60°)<br>70 - Wide Flood (70°)<br>90 - Very Wide Flood (90°)<br>E1 - Elliptical 1 (15°x60°)<br>E2 - Elliptical 2 (30°x60°)<br>E3 - Elliptical 3 (60°x15°)<br>E4 - Elliptical 4 (60°x30°) | K - Black<br>Z - Bronze<br>S - Silver<br>W - White<br>C - Custom*<br><br>*Provide RAL # | X - No Accessory<br>H - Half Snoot<br>F - Full Snoot<br><br>Will ship as X if not specified | A - 19" Flying Leads - Internal Cable IC; Bottom Exit; 1/2" NPT ; UL/CE Listed<br><br>B* - 10' External Cable Side Exit; Surface Mount ; UL Listed<br><br>C* - 10' External Cable Bottom Exit; Surface Mount - 1/2" NPT ; UL Listed<br><br>D* - 10' External Cable Side Exit; Surface Mount ; CE Listed<br><br>E* - 10' External Cable Bottom Exit; Surface Mount - 1/2" NPT; CE Listed<br>*Will ship as A if not specified |

#### EXAMPLE: F080-1S-LO-22-8-05-S-X-A

\*See Photometry Chart for Lumen Data

| PERFORMANCE | WATTS | POWER         | LUMEN OUTPUT | OPTIC | EFFICACY | CBCP   |
|-------------|-------|---------------|--------------|-------|----------|--------|
|             | 4     | Low Output    | 309          | 5°    | 77       | 22,017 |
|             | 7.5   | Medium Output | 531          | 5°    | 71       | 37,812 |
|             | 11.5  | High Output   | 744          | 5°    | 65       | 52,991 |

ALL LUMEN DATA IS FROM 4000K 80CRI FIXTURES. PLEASE SEE PHOTOMETRY SPEC SHEET FOR ADDITIONAL LUMEN DATA.

#### COLOR RENDERING INDEX

#### COLOR CONSISTENCY

#### LUMEN DEPRECIATION

80+, 90+

3-STEP MACADAM ELLIPSE

|        | WATTS        | L70 @ 25C    | L70 @ 50C    | L90 @ 25C    | L90 @ 50C    |
|--------|--------------|--------------|--------------|--------------|--------------|
| LOW    | >60,500*     | >60,500*     | >60,500*     | >60,500*     | >60,500*     |
|        | >(109,000)** | >(109,000)** | >(109,000)** | >(109,000)** | >(109,000)** |
| MEDIUM | >60,500*     | >60,500*     | >60,500*     | >60,500*     | >60,500*     |
|        | >(109,000)** | >(109,000)** | >(109,000)** | >(109,000)** | >(109,000)** |
| HIGH   | >60,500*     | >36,300*     | >60,500*     | >33,200*     | >33,200*     |
|        | >(181,000)** |              | >(69,800)**  |              |              |

\* ENERGY STAR REPORTED TESTING HOURS TO DATE. CALCULATIONS FOR LED FIXTURES ARE BASED ON MEASUREMENTS THAT COMPLY WITH IES LM-80 TESTING PROCEDURES AND IES TM-21 CALCULATOR

\*\* ESTIMATED HOURS

NOTE: Information on this Spec Sheet is subject to change, please visit [ecosenselightning.com/downloads/rise](https://ecosenselightning.com/downloads/rise) for the most updated information.

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| DATE                            | PROJECT                                  | FIRM  | TYPE |
|---------------------------------|--|---|------|
| ELECTRICAL                      | WATTAGE                                  | LOW OUTPUT = 4 W; MEDIUM OUTPUT = 7.5 W; HIGH OUTPUT = 11.5 W   |      |
|                                 | POWER FACTOR                             | >0.9 for 120 V (HO, MO, LO), 230 V (HO, MO), 277 V (HO)   |      |
|                                 | THD                                      | <0.2 for 120 V (HO, MO, LO), 230 V (HO, MO), 277 V (HO)   |      |
|                                 | OPERATING VOLTAGE                        | MULTIVOLT: 110-277 VAC, 50/60 Hz  |      |
|                                 | DRIVER                                   | INTEGRAL TO FIXTURE; DE-RATED POWER AND SYNCHRONOUS START-UP AT FULL BRIGHTNESS   |      |
|                                 | STARTUP TEMPERATURE                      | -40 °F TO 122 °F (-40 °C TO 50 °C)  |      |
|                                 | OPERATING TEMPERATURE                    | -40 °F TO 122 °F (-40 °C TO 50 °C)  |      |
|                                 | STORAGE TEMPERATURE                      | -40 °F TO 176 °F (-40 °C TO 80 °C)  |      |
| CONTROL                         | DIMMING                                  | 110-277 VAC, ELV TYPE, REVERSE PHASE, TRAILING EDGE   |      |
| PHYSICAL                        | DIMENSIONS                               | W 2.49" x H 8.13" x L 6.97" ; (63.33 mm x 206.45 mm x 177.05 mm)  |      |
|                                 | HOUSING/LENS                             | EXTRUDED ALUMINUM; UV STABILIZED POLYCARBONATE; STAINLESS STEEL FASTENERS   |      |
|                                 | WEIGHT                                   | 1.25 LBS / 0.56 KG  |      |
|                                 | ENVIRONMENT                              | OUTDOOR • UL CERTIFIED FOR WET LOCATIONS IP66<br>IMPACT RATED TO IK10<br>MEETS 3G ANSI C136.31 VIBRATION STANDARD FOR BRIDGE APPLICATIONS   |      |
|                                 | MOUNTING OPTIONS                         | A - FLYING LEADS - INTERNAL CABLE IC; BOTTOM EXIT; 1/2" NPT ; UL/ CE RATED<br>B - EXTERNAL CABLE SIDE EXIT; SURFACE MOUNT ; UL LISTED<br>SURFACE MOUNT PLATE INCLUDED<br>C - EXTERNAL CABLE BOTTOM EXIT; 1/2" NPT ; UL LISTED<br>SURFACE MOUNT PLATE INCLUDED<br>D - EXTERNAL CABLE SIDE EXIT; SURFACE MOUNT ; CE LISTED<br>SURFACE MOUNT PLATE INCLUDED<br>E - EXTERNAL CABLE BOTTOM EXIT; SURFACE MOUNT ; CE LISTED<br>SURFACE MOUNT PLATE INCLUDED |      |
|                                 | WIRING                                   | LENGTH OF FLYING LEADS 19" (482.6 mm)<br>LENGTH OF EXTERNAL CABLE 10' (3.05 m)  |      |
|                                 | TOOLS                                    | 2.5 mm HEX KEY AND PHILLIPS #0 SCREWDRIVER FOR INTERCHANGEABLE LENS + SNOOTS<br>4 mm HEX KEY FOR AIMING<br>5 mm HEX KEY FOR MAIN TILT ARM   |      |
|                                 | WIND LOAD (EPA)                          | EFFECTIVE PROJECTED AREA 0.14 ft²   |      |
|                                 | CORROSION RESISTANT                      | RISE HAS A HIGH-PERFORMING, CORROSION-RESISTANT FINISH THAT USES HIGH DURABILITY TRIGLYCIDYL ISOCYANURATE (TGIC) POWDER COATINGS SPECIFICALLY DESIGNED FOR NATATORIUMS AND EXTERIOR WEATHER EXPOSURE. THIS FINISH HAS BEEN TESTED AND APPROVED TO <b>MARINE GRADE</b> CORROSION RESISTANCE STANDARD IN UL1598A, ASTM B117 SALT FOG TEST FOR 200 HOURS.  |      |
|                                 |  |   |      |
| FIXTURE RATING & CERTIFICATIONS | CE, UL CERTIFIED<br>RoHS COMPLIANT, IK10 |      |      |

LIMITED WARRANTY 5 YEARS

## 0-10V CONTROL OPTIONS

100-120 VAC / 277 VAC Linear Dimming Control Module 0-10 V - Plenum Rated ..... LDCM-PL-120-277-010V-GR

All products come standard with ELV dimming capabilities. 0-10V Control options required for operation at 0-10V.

## OPTIONAL ACCESSORIES

### Snoots

Half Snoot, Color Finish (K=Black, Z=Bronze, S=Silver, W=White, C=Custom) ..... F080-H-(K,Z,S,W,C)

Full Snoot, Color Finish (K=Black, Z=Bronze, S=Silver, W=White, C=Custom) ..... F080-F-(K,Z,S,W,C)

### Interchangeable Lens

5 Degree ..... F080-LENS-05

10 Degree ..... F080-LENS-10

15 Degree ..... F080-LENS-15

20 Degree ..... F080-LENS-20

40 Degree ..... F080-LENS-40

60 Degree ..... F080-LENS-60

70 Degree ..... F080-LENS-70

90 Degree ..... F080-LENS-90

15x60 or 60x15 Degree ..... F080-LENS-E1E3

30x60 or 60x30 Degree ..... F080-LENS-E2E4

Full Set of Beam Angle Lens Degree (5, 10, 15, 20, 40, 60, 70, 90, 15X60 or 60X15, 30X60 or 60X30) ..... F080-LENS-FULLSET

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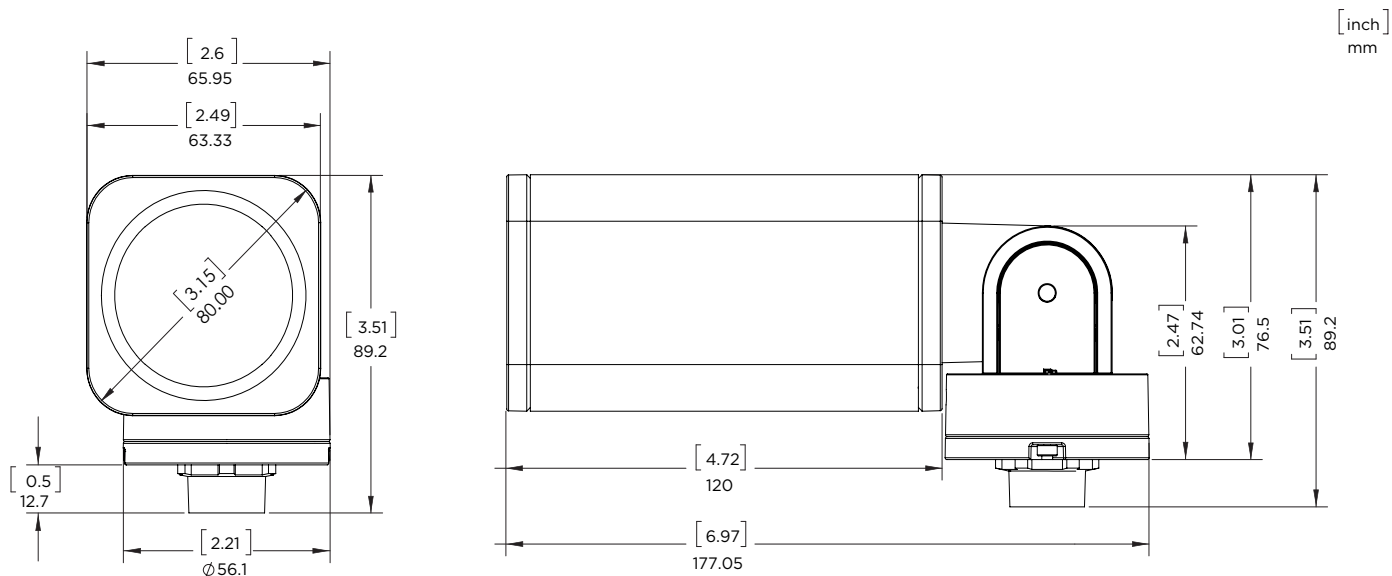
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| DATE   | PROJECT | FIRM | TYPE                       |
|--|---------|------|----------------------------|
| <b>Honeycomb Louver</b>  |         |      |                            |
| Honeycomb Louver F080.....   |         |      | F080-LV-HComb              |
| <b>Canopy Plate</b> (Not for use with wire Option B - External Cable Side Exit)  |         |      |                            |
| RISE Canopy Plate (K=Black, Z=Bronze, S=Silver, W=White, C=Custom) .....   |         |      | RISE-CANOPY-04-(K,Z,S,W,C) |
| <b>Color Filters</b>   |         |      |                            |
| Red .....  |         |      | F080-FILTER-RED            |
| Blue .....   |         |      | F080-FILTER-BLUE           |
| Green .....  |         |      | F080-FILTER-GREEN          |
| Amber .....  |         |      | F080-FILTER-AMBER          |
| <b>F080 Wall Mount Arm</b> (for use only with Wiring Option C - External Cable Bottom Exit and not for use with multi-up fixtures) |         |      |                            |
| Wall Mount Arm, 6 inch, Color Finish (K=Black, Z=Bronze, S=Silver, W=White, C=Custom) .....  |         |      | F080-WMA-06-(K,Z,S,W,C)    |
| Wall Mount Arm, 12 inch, Color Finish (K=Black, Z=Bronze, S=Silver, W=White, C=Custom) .....                                       |         |      | F080-WMA-12-(K,Z,S,W,C)    |
| Wall Mount Arm, 18 inch, Color Finish (K=Black, Z=Bronze, S=Silver, W=White, C=Custom) .....                                       |         |      | F080-WMA-18-(K,Z,S,W,C)    |
| Wall Mount Arm, 24 inch, Color Finish (K=Black, Z=Bronze, S=Silver, W=White, C=Custom) .....                                       |         |      | F080-WMA-24-(K,Z,S,W,C)    |
| <b>Ground Stake</b> (for use only with Wiring Option C - External Cable Bottom Exit and not for use with multi-up fixtures)        |         |      |                            |
| Landscape Stake, 12 in (for use with F080 Single Head only, not for use with multi-fixture units) .....                            |         |      | F080-LS-1S-STK-12          |

## DIMENSIONS



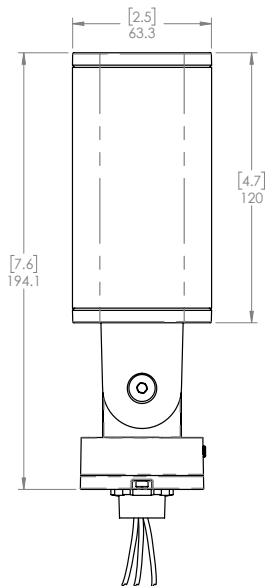
NOTE: Information on this Spec Sheet is subject to change, please visit [ecosenselighting.com/downloads/raise](https://ecosenselighting.com/downloads/raise) for the most updated information.

| DATE | PROJECT | FIRM | TYPE |
|------|---------|------|------|
|------|---------|------|------|

## WIRING GUIDE

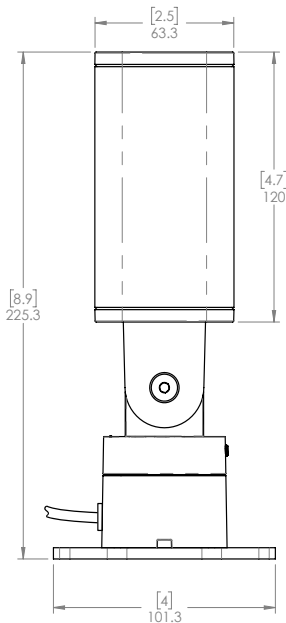
RISE is an interior and exterior rated (IP66) fixture that is available in three different wiring options:

### Flying Leads - Internal Cable (UL Listed or CE Listed)



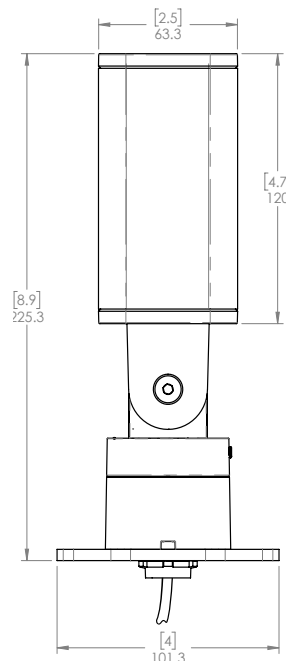
- For use with standard junction boxes
- 1/2" NPT Taper, Cable Length is 19"
- Compatible with EcoSense Canopy junction Box Cover
- 18 AWG Stranded Copper Cable - 3 Conductors

### External Cable Side Exit (UL Listed or CE Listed)



- For use when external, exterior rated cable is required to run to remote junction box or mains
- Cable exits the side of the base
- Comes with a Surface Mount Plate, for mounting direct to surface
- Cable Length is 10' (3.05 m)

### External Cable Bottom Exit (UL Listed or CE Listed)



- For use when external, exterior rated cable is required to run to remote junction box or mains
- Cable exits the bottom for use with various accessories such as Wall Mount Arm and Ground Stake
- 1/2" NPT taper for mounting
- Comes with a Surface Mount Plate, for mounting direct to surface
- Cable Length is 10' (3.05 m)

NOTE: Information on this Spec Sheet is subject to change, please visit [ecosenselighting.com/raise](https://ecosenselighting.com/raise) for the most updated information.

| DATE | PROJECT | FIRM | TYPE |
|------|---------|------|------|
|------|---------|------|------|

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## FEATURES :

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- EXTREMELY COMPACT
- POWERFUL OUTPUT UP TO 1170 LUMENS
- MACRO<sup>™</sup> LOCK - 180° TILT AND 360° PAN
- 12 UNIQUE BEAM ANGLES
- MULTIVOLT (110 V-277 V)
- 8 CCTS: 2200K THROUGH 6500K
- 80+ AND 90+ CRI
- DIMMABLE TO 5%
- IP66 RATED



| FIXTURE MODEL | FIXTURE CONFIG.  | POWER/ LUMEN OUTPUT*  | CCT/ COLOR   | CRI  | BEAM ANGLE   | FINISHES  | ACCESSORIES   | WIRING AND MOUNTING   |
|---------------|------------------|---|--|--|--|---|---|---|
| F080          | 1S - Single Head | LO - Low Output<br><br>MO - Medium Output<br><br>HO - High Output | 22 - 2200K<br>25 - 2500K<br>27 - 2700K<br>30 - 3000K<br>35 - 3500K<br>40 - 4000K<br>50 - 5000K<br>65 - 6500K<br>RD - Red<br>GR - Green<br>BL - Blue<br>AM - Amber<br><br>*2200K and 2500K not available in 40°, 60°, 70° and 90° | 8 - 80<br>9 - 90*<br>X - For RD, GR, BL, AM<br><br>*90 CRI not available in 2200K, 2500K, 5000K, and 6500K | 05 - Laser Spot (5°)<br>10 - Very Narrow Spot (10°)<br>15 - Narrow Spot (15°)<br>20 - Spot (20°)<br>40 - Flood (40°)<br>60 - Medium Flood (60°)<br>70 - Wide Flood (70°)<br>90 - Very Wide Flood (90°)<br>E1 - Elliptical 1 (15°x60°)<br>E2 - Elliptical 2 (30°x60°)<br>E3 - Elliptical 3 (60°x15°)<br>E4 - Elliptical 4 (60°x30°) | K - Black<br>Z - Bronze<br>S - Silver<br>W - White<br>C - Custom*<br><br>*Provide RAL # | X - No Accessory<br>H - Half Snoot<br>F - Full Snoot<br><br>Will ship as X if not specified | A - 19" Flying Leads - Internal Cable IC; Bottom Exit; 1/2" NPT ; UL/CE Listed<br><br>B* - 10' External Cable Side Exit; Surface Mount ; UL Listed<br><br>C* - 10' External Cable Bottom Exit; Surface Mount - 1/2" NPT ; UL Listed<br><br>D* - 10' External Cable Side Exit; Surface Mount ; CE Listed<br><br>E* - 10' External Cable Bottom Exit; Surface Mount - 1/2" NPT; CE Listed<br>*Will ship as A if not specified |

## EXAMPLE: F080-1S-LO-22-8-05-S-X-A

\*See Photometry Chart for Lumen Data

| PERFORMANCE | WATTS | POWER         | LUMEN OUTPUT | OPTIC | EFFICACY | CBCP   |
|-------------|-------|---------------|--------------|-------|----------|--------|
|             | 4     | Low Output    | 309          | 5°    | 77       | 22,017 |
|             | 7.5   | Medium Output | 531          | 5°    | 71       | 37,812 |
|             | 11.5  | High Output   | 744          | 5°    | 65       | 52,991 |

ALL LUMEN DATA IS FROM 4000K 80CRI FIXTURES. PLEASE SEE PHOTOMETRY SPEC SHEET FOR ADDITIONAL LUMEN DATA.

## COLOR RENDERING INDEX

## COLOR CONSISTENCY

## LUMEN DEPRECIATION

80+, 90+

3-STEP MACADAM ELLIPSE

|        | WATTS        | L70 @ 25C    | L70 @ 50C    | L90 @ 25C    | L90 @ 50C    |
|--------|--------------|--------------|--------------|--------------|--------------|
| LOW    | >60,500*     | >60,500*     | >60,500*     | >60,500*     | >60,500*     |
|        | >(109,000)** | >(109,000)** | >(109,000)** | >(109,000)** | >(109,000)** |
| MEDIUM | >60,500*     | >60,500*     | >60,500*     | >60,500*     | >60,500*     |
|        | >(109,000)** | >(109,000)** | >(109,000)** | >(109,000)** | >(109,000)** |
| HIGH   | >60,500*     | >36,300*     | >60,500*     | >33,200*     | >33,200*     |
|        | >(181,000)** |              | >(69,800)**  |              |              |

\* ENERGY STAR REPORTED TESTING HOURS TO DATE. CALCULATIONS FOR LED FIXTURES ARE BASED ON MEASUREMENTS THAT COMPLY WITH IES LM-80 TESTING PROCEDURES AND IES TM-21 CALCULATOR

\*\* ESTIMATED HOURS

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| DATE              | PROJECT                                    | FIRM  | TYPE |
|-------------------|--|---|------|
| <b>ELECTRICAL</b> | <b>WATTAGE</b>                             | LOW OUTPUT = 4 W; MEDIUM OUTPUT = 7.5 W; HIGH OUTPUT = 11.5 W   |      |
|                   | <b>POWER FACTOR</b>                        | >0.9 for 120 V (HO, MO, LO), 230 V (HO, MO), 277 V (HO)   |      |
|                   | <b>THD</b>                                 | <0.2 for 120 V (HO, MO, LO), 230 V (HO, MO), 277 V (HO)   |      |
|                   | <b>OPERATING VOLTAGE</b>                   | MULTIVOLT: 110-277 VAC, 50/60 Hz  |      |
|                   | <b>DRIVER</b>                              | INTEGRAL TO FIXTURE; DE-RATED POWER AND SYNCHRONOUS START-UP AT FULL BRIGHTNESS   |      |
|                   | <b>STARTUP TEMPERATURE</b>                 | -40 °F TO 122 °F (-40 °C TO 50 °C)  |      |
|                   | <b>OPERATING TEMPERATURE</b>               | -40 °F TO 122 °F (-40 °C TO 50 °C)  |      |
|                   | <b>STORAGE TEMPERATURE</b>                 | -40 °F TO 176 °F (-40 °C TO 80 °C)  |      |
| <b>CONTROL</b>    | <b>DIMMING</b>                             | 110-277 VAC, ELV TYPE, REVERSE PHASE, TRAILING EDGE   |      |
| <b>PHYSICAL</b>   | <b>DIMENSIONS</b>                          | W 2.49" x H 8.13" x L 6.97" ; (63.33 mm x 206.45 mm x 177.05 mm)  |      |
|                   | <b>HOUSING/LENS</b>                        | EXTRUDED ALUMINUM; UV STABILIZED POLYCARBONATE; STAINLESS STEEL FASTENERS   |      |
|                   | <b>WEIGHT</b>                              | 1.25 LBS / 0.56 KG  |      |
|                   | <b>ENVIRONMENT</b>                         | OUTDOOR • UL CERTIFIED FOR WET LOCATIONS IP66<br>IMPACT RATED TO IK10<br>MEETS 3G ANSI C136.31 VIBRATION STANDARD FOR BRIDGE APPLICATIONS   |      |
|                   | <b>MOUNTING OPTIONS</b>                    | A - FLYING LEADS - INTERNAL CABLE IC; BOTTOM EXIT; 1/2" NPT ; UL/ CE RATED<br>B - EXTERNAL CABLE SIDE EXIT; SURFACE MOUNT ; UL LISTED<br>SURFACE MOUNT PLATE INCLUDED<br>C - EXTERNAL CABLE BOTTOM EXIT; 1/2" NPT ; UL LISTED<br>SURFACE MOUNT PLATE INCLUDED<br>D - EXTERNAL CABLE SIDE EXIT; SURFACE MOUNT ; CE LISTED<br>SURFACE MOUNT PLATE INCLUDED<br>E - EXTERNAL CABLE BOTTOM EXIT; SURFACE MOUNT ; CE LISTED<br>SURFACE MOUNT PLATE INCLUDED |      |
|                   | <b>WIRING</b>                              | LENGTH OF FLYING LEADS 19" (482.6 mm)<br>LENGTH OF EXTERNAL CABLE 10' (3.05 m)  |      |
|                   | <b>TOOLS</b>                               | 2.5 mm HEX KEY AND PHILLIPS #0 SCREWDRIVER FOR INTERCHANGEABLE LENS + SNOOTS<br>4 mm HEX KEY FOR AIMING<br>5 mm HEX KEY FOR MAIN TILT ARM   |      |
|                   | <b>WIND LOAD (EPA)</b>                     | EFFECTIVE PROJECTED AREA 0.14 ft²   |      |
|                   | <b>CORROSION RESISTANT</b>                 | RISE HAS A HIGH-PERFORMING, CORROSION-RESISTANT FINISH THAT USES HIGH DURABILITY TRIGLYCIDYL ISOCYANURATE (TGIC) POWDER COATINGS SPECIFICALLY DESIGNED FOR NATATORIUMS AND EXTERIOR WEATHER EXPOSURE. THIS FINISH HAS BEEN TESTED AND APPROVED TO <b>MARINE GRADE</b> CORROSION RESISTANCE STANDARD IN UL1598A, ASTM B117 SALT FOG TEST FOR 200 HOURS.  |      |
|                   | <b>FIXTURE RATING &amp; CERTIFICATIONS</b> | CE, UL CERTIFIED<br>RoHS COMPLIANT, IK10  |      |



**LIMITED WARRANTY**    **5 YEARS**

## 0-10V CONTROL OPTIONS

100-120 VAC / 277 VAC Linear Dimming Control Module 0-10 V - Plenum Rated ..... LDCM-PL-120-277-010V-GR

All products come standard with ELV dimming capabilities. 0-10V Control options required for operation at 0-10V.

## OPTIONAL ACCESSORIES

### Snoots

Half Snoot, Color Finish (K=Black, Z=Bronze, S=Silver, W=White, C=Custom) ..... F080-H-(K,Z,S,W,C)  
Full Snoot, Color Finish (K=Black, Z=Bronze, S=Silver, W=White, C=Custom) ..... F080-F-(K,Z,S,W,C)

### Interchangeable Lens

5 Degree ..... F080-LENS-05  
10 Degree ..... F080-LENS-10  
15 Degree ..... F080-LENS-15  
20 Degree ..... F080-LENS-20  
40 Degree ..... F080-LENS-40  
60 Degree ..... F080-LENS-60  
70 Degree ..... F080-LENS-70  
90 Degree ..... F080-LENS-90  
15x60 or 60x15 Degree ..... F080-LENS-E1E3  
30x60 or 60x30 Degree ..... F080-LENS-E2E4  
Full Set of Beam Angle Lens Degree (5, 10, 15, 20, 40, 60, 70, 90, 15X60 or 60X15, 30X60 or 60X30) ..... F080-LENS-FULLSET

NOTE: Information on this Spec Sheet is subject to change, please visit [ecosenselighting.com/downloads/raise](https://ecosenselighting.com/downloads/raise) for the most updated information.

**ECOSENSE LIGHTING INC.**  
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**P • 310.496.6255**  
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855.6.ECOSEN

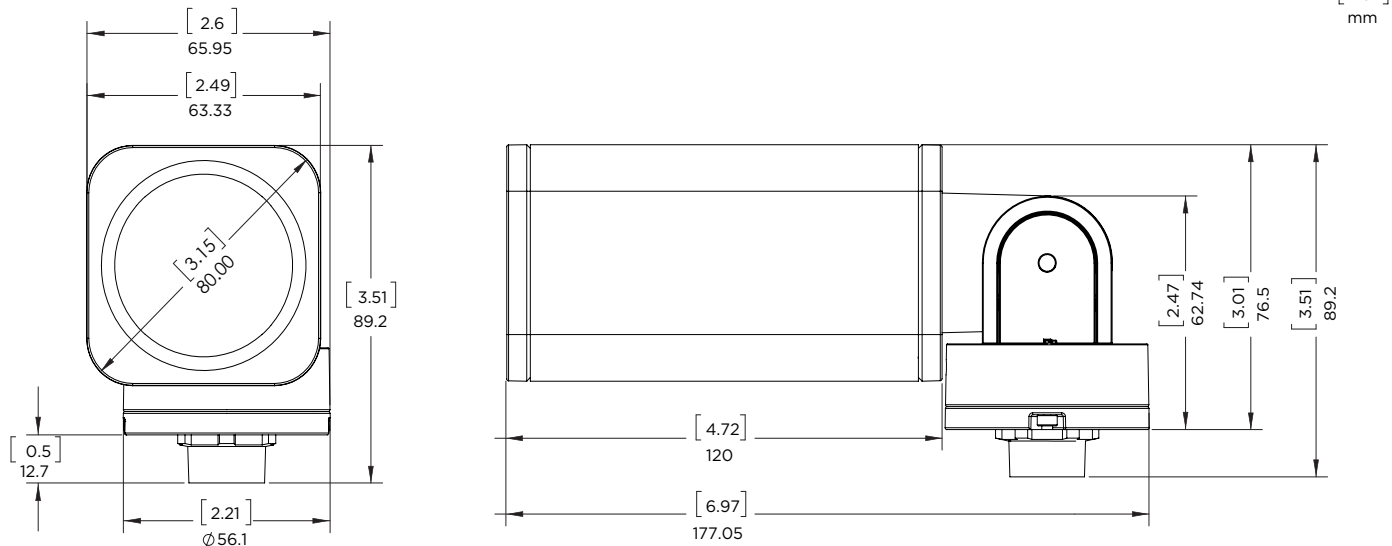
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**ECOSENSELIGHTING.COM**

**2/4**

| DATE   | PROJECT | FIRM | TYPE                       |
|--|---------|------|----------------------------|
| <b>Honeycomb Louver</b>  |         |      |                            |
| Honeycomb Louver F080.....   |         |      | F080-LV-HComb              |
| <b>Canopy Plate</b> (Not for use with wire Option B - External Cable Side Exit)  |         |      |                            |
| RISE Canopy Plate (K=Black, Z=Bronze, S=Silver, W=White, C=Custom) .....   |         |      | RISE-CANOPY-04-(K,Z,S,W,C) |
| <b>Color Filters</b>   |         |      |                            |
| Red .....  |         |      | F080-FILTER-RED            |
| Blue .....   |         |      | F080-FILTER-BLUE           |
| Green .....  |         |      | F080-FILTER-GREEN          |
| Amber .....  |         |      | F080-FILTER-AMBER          |
| <b>F080 Wall Mount Arm</b> (for use only with Wiring Option C - External Cable Bottom Exit and not for use with multi-up fixtures) |         |      |                            |
| Wall Mount Arm, 6 inch, Color Finish (K=Black, Z=Bronze, S=Silver, W=White, C=Custom) .....  |         |      | F080-WMA-06-(K,Z,S,W,C)    |
| Wall Mount Arm, 12 inch, Color Finish (K=Black, Z=Bronze, S=Silver, W=White, C=Custom) .....                                       |         |      | F080-WMA-12-(K,Z,S,W,C)    |
| Wall Mount Arm, 18 inch, Color Finish (K=Black, Z=Bronze, S=Silver, W=White, C=Custom) .....                                       |         |      | F080-WMA-18-(K,Z,S,W,C)    |
| Wall Mount Arm, 24 inch, Color Finish (K=Black, Z=Bronze, S=Silver, W=White, C=Custom) .....                                       |         |      | F080-WMA-24-(K,Z,S,W,C)    |
| <b>Ground Stake</b> (for use only with Wiring Option C - External Cable Bottom Exit and not for use with multi-up fixtures)        |         |      |                            |
| Landscape Stake, 12 in (for use with F080 Single Head only, not for use with multi-fixture units) .....                            |         |      | F080-LS-1S-STK-12          |

## DIMENSIONS



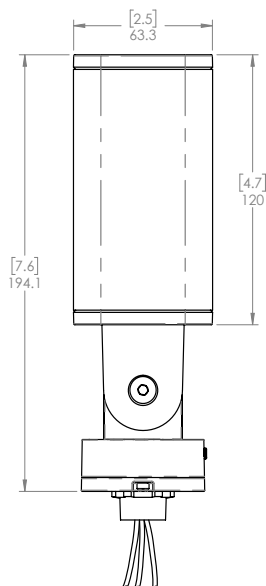
NOTE: Information on this Spec Sheet is subject to change, please visit [ecosenselighting.com/downloads/raise](https://ecosenselighting.com/downloads/raise) for the most updated information.

| DATE | PROJECT | FIRM | TYPE |
|------|---------|------|------|
|------|---------|------|------|

## WIRING GUIDE

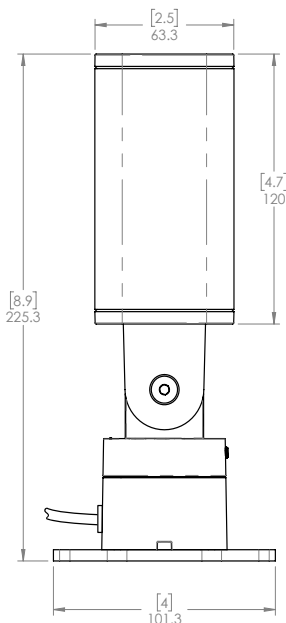
RISE is an interior and exterior rated (IP66) fixture that is available in three different wiring options:

### Flying Leads - Internal Cable (UL Listed or CE Listed)



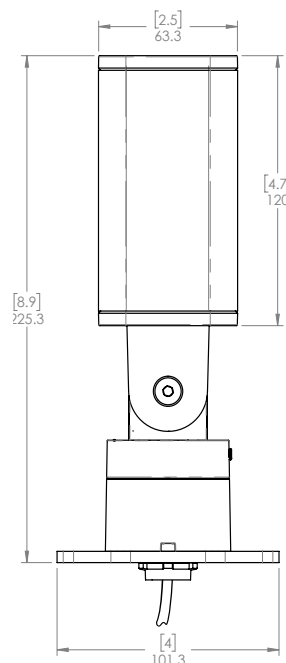
- For use with standard junction boxes
- 1/2" NPT Taper, Cable Length is 19"
- Compatible with EcoSense Canopy junction Box Cover
- 18 AWG Stranded Copper Cable - 3 Conductors

### External Cable Side Exit (UL Listed or CE Listed)



- For use when external, exterior rated cable is required to run to remote junction box or mains
- Cable exits the side of the base
- Comes with a Surface Mount Plate, for mounting direct to surface
- Cable Length is 10' (3.05 m)

### External Cable Bottom Exit (UL Listed or CE Listed)



- For use when external, exterior rated cable is required to run to remote junction box or mains
- Cable exits the bottom for use with various accessories such as Wall Mount Arm and Ground Stake
- 1/2" NPT taper for mounting
- Comes with a Surface Mount Plate, for mounting direct to surface
- Cable Length is 10' (3.05 m)

NOTE: Information on this Spec Sheet is subject to change, please visit [ecosenselighting.com/rise](https://ecosenselighting.com/rise) for the most updated information.

# UPRA-10012

## Prague 2 Medium Bollard



14w LED  
1660 Lumens

IP65  
Suitable for wet locations

IK08  
Impact Resistant [Vandal Resistant]

Weight - 19.1 lbs

### Construction

#### Aluminum

Less than 0.1% copper content - Marine Grade 6060 extruded & LM6 Aluminum High Pressure die casting provides excellent mechanical strength, clean detailed product lines and excellent heat dissipation.

#### Pre paint

8 step degrease and phosphate process that includes deoxidizing and etching as well as a zinc and nickel phosphate process before product painting.

#### Memory Retentive -Silicon Gasket

Provided with special injection molded "fit for purpose" long life high temperature memory retentive silicon gaskets. Maintains the gaskets exact profile and seal over years of use and compression.

#### Thermal management

LM6 Aluminum is used for its excellent mechanical strength and thermal dissipation properties in low and high ambient temperatures. The superior thermal heat sink design by Ligman used in conjunction with the driver, controls thermals below critical temperature range to ensure maximum luminous flux output, as well as providing long LED service life and ensuring less than 10% lumen depreciation at 50,000 hours.

#### Surge Suppression

Standard 10kv surge suppressor provided with all fixtures.

#### BUG Rating

B0 - U0 - G0

#### Finishing

All Ligman products go through an extensive finishing process that includes fettling to improve paint adherence.

#### Paint

UV Stabilized 4.9Mil thick powder coat paint and baked at 200 Deg C. This process ensures that Ligman products can withstand harsh environments. Rated for use in natatoriums.

#### Inspired by Nature Finishes

The Inspired by nature Finishing is a unique system of decorative powder coating. Our metal decoration process can easily transform the appearance of metal or aluminum product into a wood grain finish.

This patented technology enables the simulation of wood grain, and even marble or granite finish through the use of decorative powder coating.

The wood grain finish is so realistic that it's almost undistinguishable from real wood, even from a close visual inspection. The system of coating permeates the entire thickness of the coat and as a result, the coating cannot be removed by normal rubbing, chipping, or scratching.

#### The Coating Process

After pre-treatment the prepared parts are powder coated with a specially formulated polyurethane powder. This powder provides protection against wear, abrasion, impact and corrosion and acts as the relief base color for the finalized metal decoration.

The component is then wrapped with a sheet of non-porous film with the selected decoration pattern printed on it using special high temperature inks.

This printed film transfer is vacuum-sealed to the surface for a complete thermo print and then transferred into a customized oven. The oven transforms the ink into different forms within the paint layer before it becomes solid. Finally, the film is removed, and a vivid timber look on aluminum remains.

Wood grain coating can create beautiful wood-looking products of any sort. There are over 300 combinations of designs currently in use. Wood grains can be made with different colors, designs, etc.

Our powder coatings are certified for indoor and outdoor applications and are backed by a comprehensive warranty. These coatings rise to the highest conceivable standard of performance excellence and design innovation.

#### Added Benefits

- Resistance to salt-acid room, accelerated aging
- Boiling water, lime and condensed water resistant
- Anti-Graffiti, Anti-Slip, Anti-Microbial, Anti-Scratch
- Super durable (UV resistant)
- TGIC free (non-toxic)

#### Hardware

Provided Hardware is Marine grade 316 Stainless steel.

#### Anti Seize Screw Holes

Tapped holes are infused with a special anti seize compound designed to prevent seizure of threaded connections, due to electrolysis from heat, corrosive atmospheres and moisture.

#### Crystal Clear Low Iron Glass Lens

Provided with tempered, impact resistant crystal clear low iron glass ensuring no green glass tinge.

#### Optics & LED

Precise optic design provides exceptional light control and precise distribution of light. LED CRI > 80

#### Lumen - Maintenance Life

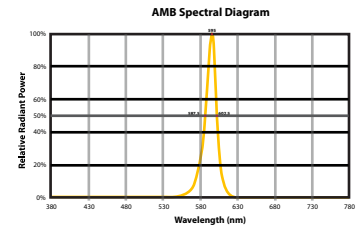
L80 /B10 at 50,000 hours (This means that at least 90% of the LED still achieve 80% of their original flux)

**A new contemporary bollard design family, meeting Dark Sky requirements, utilizing MicroVos Technology to get maximum spacing and excellent uniformity.**

Small, medium and large size LED bollards incorporate optional symmetrical and asymmetrical light distributions, in a variety of different heights. Clean architectural design with no visible hardware, at the top of the luminaire are the further characteristics of this bollard. Ideal for lighting pathways, entrances, square, and terraces.

Color temperature from 2700K, 3000K, 3500K and 4000K, LED CRI >80. Aluminum housing and extruded aluminium column with high corrosion resistance. Stainless steel fasteners in grade 316. Durable silicone rubber gasket and clear toughened glass. Powder coating with high corrosion resistance and chemical chromatized protection.

### CITY OF FLAGSTAFF & TURTLE FRIENDLY COMPLIANT



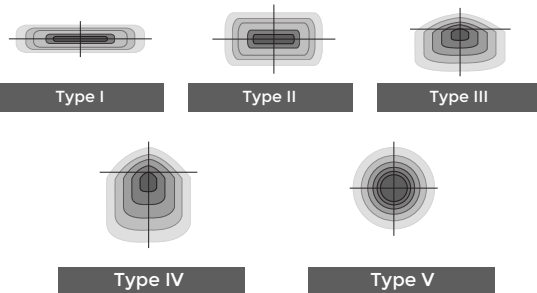
#### Narrow-Spectrum Amber LEDs

Peak wavelength between 585 & 595 nanometers and a full width of 50% power no greater than 15 nanometers.

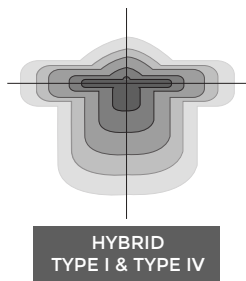
### Additional Options (Consult Factory For Pricing)



Ligman's micro Variable Optical System provides the ability to interchange, mix & rotate optics to provide specific light distributions for optimized spacing and uniformity.



The variable optic system allows for the designer to create hybrid distributions for precise lighting requirements.



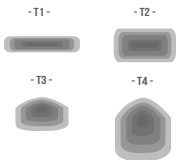

# UPRA-10012

Prague 2 Medium Bollard



|          |  |      |  |      |      |  |
|----------|--|------|--|------|------|--|
| PROJECT  |  |      |  |      | DATE |  |
| QUANTITY |  | TYPE |  | NOTE |      |  |

ORDERING EXAMPLE || UPR - 10012 - 14w - T2 - W30 - 02 - 120/277v - Options

|  |                        |  |  |  |                             |
|--|------------------------|--|--|--|-----------------------------|
| UPRA-10012   |                        |  |  |  |                             |
|  | LAMP                   | BEAM   | LED COLOR  | FINISH COLOR   | VOLTAGE                     |
|  | 14w LED<br>1660 Lumens | T1 - Type I Distribution<br>T2 - Type II Distribution<br>T3 - Type III Distribution<br>T4 - Type IV Distribution<br>M - Medium 32°<br>W - Wide 52°<br>VW - Very Wide 65°<br>EW - Extra Wide 108°<br> | W27 - 2700K<br>W30 - 3000K<br>W35 - 3500K<br>W40 - 4000K | 01 - BLACK RAL 9011<br>02 - DARK GREY RAL 7043<br>03 - WHITE RAL 9003<br>04 - METALLIC SILVER RAL 9006<br>05 - MATTE SILVER RAL 9006<br>06 - LIGMAN BRONZE<br>07 - CUSTOM RAL<br> | 120/277v<br>Other - Specify |
| <div><div>INSPIRED BY NATURE FINISHES</div><div><div>SW01 - OAK FINISH</div><div>SW02 - WALNUT FINISH</div><div>SW03- PINE FINISH</div><div>DF - DOUGLAS FIR FINISH</div><div>CW - CHERRY WOOD FINISH</div><div>NW - NATIONAL WALNUT FINISH</div><div>SU01 - CONCRETE FINISH</div><div>SU02 - SOFTSCAPE FINISH</div><div>SU03 - STONE FINISH</div><div>SU04 - CORTEN FINISH</div></div><div>THERE IS AN ADDITIONAL COST FOR THESE FINISHES</div></div> |                        |  |  |  |                             |

## ADDITIONAL OPTIONS

- NAT - Natatorium Rated

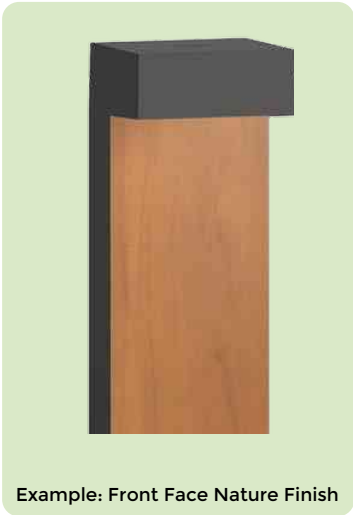
HCT - Custom Bollard Height

AMB - Turtle Friendly Amber LED
- GFCI - GFCI Box

FNF - Front Face Nature Finish

### Custom Finishes Available Upon Request

Consult factory for pricing and lead times



# Prague Product Family

L7



Prague 1

- UPRA-10001-8w-855lm [19.6"]
- UPRA-10002-8w-855lm [39.3"]



Prague 2

- UPRA-10011-14w-1675lm [19.6"]
- UPRA-10012-14w-1675lm [39.3"]



Prague 3

- UPRA-10021-20w-2422lm [19.6"]
- UPRA-10022-20w-2422lm [39.3"]

# EYE 80 • EYE 125 • EYE 200

## Surface Version

EYE is a ceiling lamp that comes in a recessed or surface-mounted version with 3 sizes each. It offers high luminous efficiency and perfect luminance control with 3 optics options: spot, flood and wide flood.

### TECHNICAL DATA

|                           |  |
|---------------------------|--|
| <b>Wattage</b>            | 5W, 12W, 20W   |
| <b>Power Supply</b>       | Remote 24VDC - See page 3 (EYE 80)<br>Remote 350mA (EYE 125), 500mA (EYE 200)                  |
| <b>Construction</b>       | Body: Die-Cast Aluminum<br>Lens: Extra Clear Glass Diffuser                                    |
| <b>CCT</b>                | 3000K (2700K, 4000K on request)  |
| <b>BUG Rating</b>         | B1-U0-G0 (EYE 80 40° & 60°)<br>B1-U1-G0 (EYE 125 40° & 60°)<br>B2-U1-G0 (EYE 200 40° & 60°)    |
| <b>CRI</b>                | >90  |
| <b>Delivered Lumens</b>   | 400 lm (EYE 80, 40°, 3000K)<br>950 lm (EYE 125, 40°, 3000K)<br>1400 lm (EYE 200, 40°, 3000K)   |
| <b>Efficacy</b>           | 80 lm/W (EYE 80, 40°, 3000K)<br>63 lm/W (EYE 125, 40°, 3000K)<br>58 lm/W (EYE 200, 40°, 3000K) |
| <b>Optics</b>             | 20°, 40°, 60°  |
| <b>Finishes</b>           | 4 Standard, See Below  |
| <b>Fixture Dimensions</b> | Ø3.22" x 1.97" (EYE 80)<br>Ø5.12" x 3.03" (EYE 125)<br>Ø8.46" x 4.84" (EYE 200)                |
| <b>Aperture</b>           | Ø3.15" (EYE 80)<br>Ø4.92" (EYE 125)<br>Ø7.87" (EYE 200)  |
| <b>Lumen Maintenance</b>  | L70 >50,000hrs (Ta 40°C)   |
| <b>Color Consistency</b>  | 3-Step MacAdam   |
| <b>IP Rating</b>          | IP65   |
| <b>Impact Resistance</b>  | IK08   |



Fixture Dimensions - see page 2

### ORDERING INFORMATION

Example: LNEY60POSFHB7ZG.US. Power Supplies / Accessories ordered separately.

|                |   |  |   |   |           |
|----------------|---|--|---|---|-----------|
| <b>LNEY</b>    |   |  |   |   | <b>US</b> |
| <b>Model #</b> | <b>Size</b>   | <b>Optics</b>  | <b>Power</b>  | <b>Finish</b>   |           |
| <b>LNEY</b>    | <b>50 POS</b> - EYE 80 (5W)<br><b>60 POS</b> - EYE 125 (12W)<br><b>80 POS</b> - EYE 200 (20W) | <b>S</b> - 20° Spot<br><b>F</b> - 40° Flood<br><b>W</b> - 60° Wide | <b>HB7Z</b> - Remote Driver (EYE 80)<br><b>HB10</b> - Remote Driver (EYE 125/200) | <b>L</b> - Graphite<br><b>V</b> - Oxide<br><b>U</b> - White<br><b>G</b> - Black | <b>US</b> |

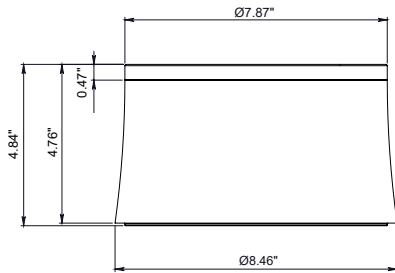
Job Name/Date:

Fixture Type Designation:

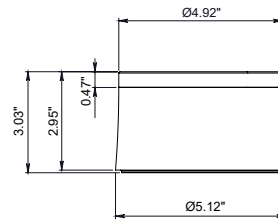
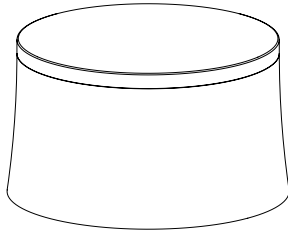
# EYE 80 • EYE 125 • EYE 200

## Surface Version

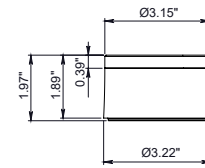
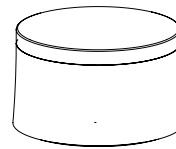
### FIXTURE DIMENSIONS



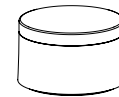
EYE 200



EYE 125



EYE80



Job Name/Date:

Fixture Type Designation:

## EYE 80 • EYE 125 • EYE 200

## Surface Version

datasheet

## SUGGESTED POWER SUPPLIES

24VDC - EYE 80 (5W)

| Part Number               | Description   | Input/Output                        | # of Fixtures - 5W |
|---------------------------|---|-------------------------------------|--------------------|
| <a href="#">PPLT00149</a> | Non-Dim   | 120VAC to 24VDC, 10W, Class 2, IP65 | 1-1                |
| <a href="#">PPLT00632</a> | 0-10V Dimming (Dim to Off)                              | 120-277VAC to 24VDC, 12W, Class 2   | 1-1                |
| <a href="#">PPLT00155</a> | Non-Dim   | 120VAC to 24VDC, 30W, Class 2       | 1-4                |
| <a href="#">PPLT00599</a> | ELV / TRIAC & 0-10V Dimming (100 to 0%)                 | 120-277VAC to 24VDC, 96W, Class 2   | 1-15               |
| <a href="#">PPLT00158</a> | Non-Dim   | 120VAC to 24VDC, 100W, Class 2      | 1-16               |
| <a href="#">PPLT00543</a> | 0-10V Dimming to 15% (-40°C / -40°F cold weather start) | 120-277VAC to 24VDC, 100W, Class 2  | 2-16               |

## Suggested Lutron Compatible - EYE 80 (5W)

| Part Number               | Option         | Lutron SKU | Dim Range | Description   | Input/Output                      | # of Fixtures |
|---------------------------|----------------|------------|-----------|---|-----------------------------------|---------------|
| <a href="#">PPLT00500</a> | LTEA2W         | LTEA       | 100%-1%   | Hi-Lume™ 1% 2-Wire LED Driver (120V forward phase only) | 120VAC to 24VDC, 40W, Class 2     | 1-6           |
| <a href="#">PPLT00273</a> | L3DAE / L3DA3W | L3DA       | 100%-1%   | Hi-Lume™ 1% EcoSystem™ or 1% 3-Wire LED Driver          | 120-277VAC to 24VDC, 40W, Class 2 | 1-6           |

350mA - EYE 125 (12W)

| Part Number                 | Description  | Input/Output                       | # of Fixtures - 12W |
|-----------------------------|--|------------------------------------|---------------------|
| <a href="#">PPLT00468</a>   | Phase Dim (120V only)                              | 120VAC to 350mA, 14W, Class 2      | 1-1                 |
| <a href="#">PPLT00308-P</a> | 0-10V Dimming to 0.1%                              | 120-277VAC to 350mA, 30W, Class 2  | 1-1                 |
| <a href="#">PPLT00263</a>   | Leading / Trailing Edge Dimming to 10% (120V only) | 120-277VAC to 350mA, 32W, Class 2  | 1-1                 |
| <a href="#">PPLT00538-P</a> | 0-10V Dimming to 0.1% (4 channels)                 | 120-277VAC to 350mA, 100W, Class 2 | 1-1 (1-4)           |

## Suggested Lutron Compatible - EYE 125 (12W)

| Part Number               | Option         | Lutron SKU | Dim Range | Description   | Input/Output                      | # of Fixtures |
|---------------------------|----------------|------------|-----------|---|-----------------------------------|---------------|
| <a href="#">PPLT00271</a> | LTEA2W         | LTEA       | 100%-1%   | Hi-Lume™ 1% 2-Wire LED Driver (120V forward phase only) | 120VAC to 350mA, 13W, Class 2     | 1-1           |
| <a href="#">PPLT00516</a> | L3DAE / L3DA3W | L3DA       | 100%-1%   | Hi-Lume™ 1% EcoSystem™ or 1% 3-Wire LED Driver          | 120-277VAC to 350mA, 13W, Class 2 | 1-1           |

500mA - EYE 200 (20W)

| Part Number                 | Description  | Input/Output                            | # of Fixtures - 20W |
|-----------------------------|--|---|---------------------|
| <a href="#">PPLT00527</a>   | Phase Dim (120V only)                              | 120VAC to 500mA, 20W, Class 2, IP66     | 1-1                 |
| <a href="#">PPLT00308-P</a> | 0-10V Dimming to 0.1%                              | 120-277VAC to 500mA, 30W, Class 2, DAMP | 1-1                 |
| <a href="#">PPLT00262</a>   | Leading / Trailing Edge Dimming to 10% (120V only) | 120-277VAC to 500mA, 32W, Class 2       | 1-1                 |
| <a href="#">PPLT00538-P</a> | 0-10V Dimming to 0.1% (4 channels)                 | 120-277VAC to 500mA, 100W, Class 2      | 1-1 (1-4)           |

## Suggested Lutron Compatible - EYE 200 (20W)

| Part Number               | Option         | Lutron SKU | Dim Range | Description   | Input/Output                      | # of Fixtures |
|---------------------------|----------------|------------|-----------|---|-----------------------------------|---------------|
| <a href="#">PPLT00258</a> | LTEA2W         | LTEA       | 100%-1%   | Hi-Lume™ 1% 2-Wire LED Driver (120V forward phase only) | 120VAC to 500mA, 19W, Class 2     | 1-1           |
| <a href="#">PPLT00195</a> | L3DAE / L3DA3W | L3DA       | 100%-1%   | Hi-Lume™ 1% EcoSystem™ or 1% 3-Wire LED Driver          | 120-277VAC to 500mA, 19W, Class 2 | 1-1           |

For other power supply options consult factory.

Job Name/Date:

Fixture Type Designation:

# EYE 80 • EYE 125 • EYE 200

## Surface Version

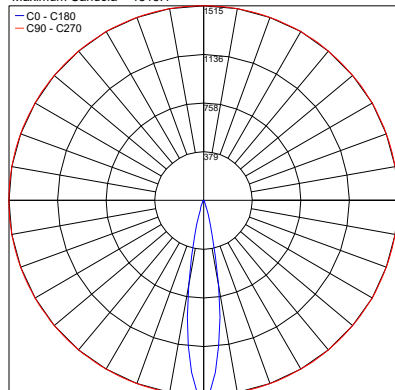
datasheet

### PHOTOMETRIC DATA

Note: All photometric data is 3000K

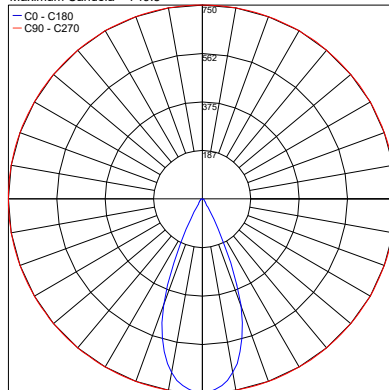
#### EYE 80

Maximum Candela = 1515.1

 — C0 - C180  
 — C90 - C270


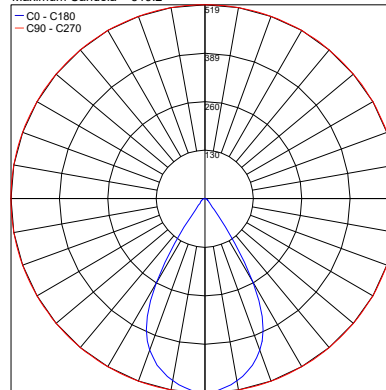
PHOTOMETRIC FILENAME : EYE 80 - EY80POSSXB7ZX - 20° 500MA 5W.IES

Maximum Candela = 749.8

 — C0 - C180  
 — C90 - C270


PHOTOMETRIC FILENAME : EYE 80 - EY80POSFXB7ZX - 40° 500MA 5W.IES

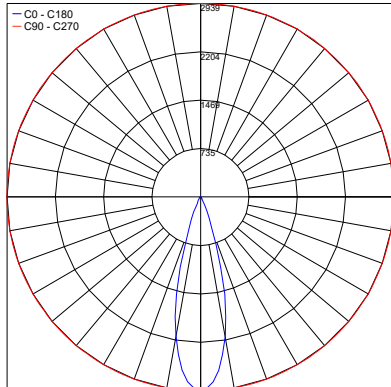
Maximum Candela = 519.2

 — C0 - C180  
 — C90 - C270


PHOTOMETRIC FILENAME : EYE 80 - EY80POSWXB7ZX - 60° 500MA 5W.IES

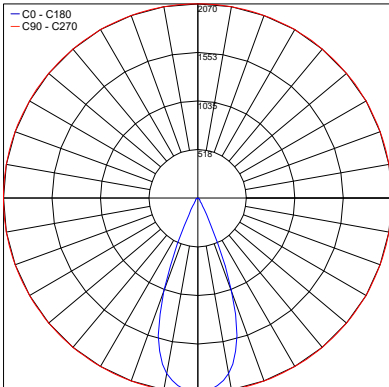
#### EYE 125

Maximum Candela = 2938.5

 — C0 - C180  
 — C90 - C270


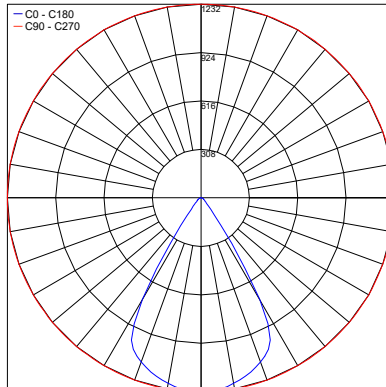
PHOTOMETRIC FILENAME : EYE 125 - EY125POSSXB10X 12W 20°.IES

Maximum Candela = 2070.1

 — C0 - C180  
 — C90 - C270


PHOTOMETRIC FILENAME : EYE 125 - EY125POSFXB10X 12W 40°.IES

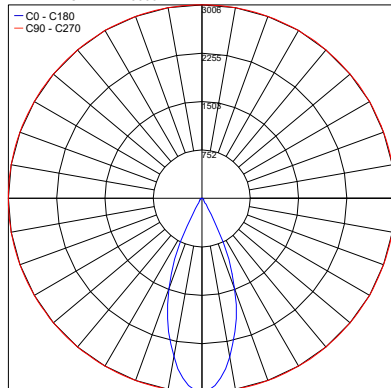
Maximum Candela = 1232.2

 — C0 - C180  
 — C90 - C270


PHOTOMETRIC FILENAME : EYE 125 - EY125POSWXB10X 12W 60°.IES

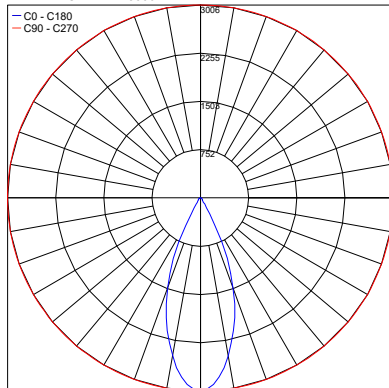
#### EYE 200

Maximum Candela = 3006.2

 — C0 - C180  
 — C90 - C270


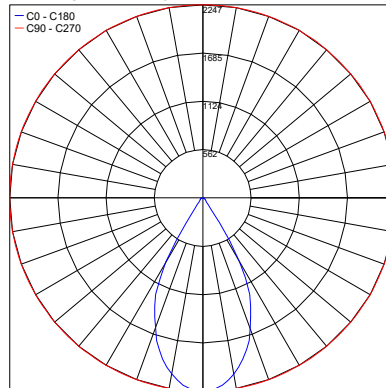
PHOTOMETRIC FILENAME : EYE 200 - EY200POSFXB10X 20W 40°.IES

Maximum Candela = 3006.2

 — C0 - C180  
 — C90 - C270


PHOTOMETRIC FILENAME : EYE 200 - EY200POSWXB10X 20W 60°.IES

Maximum Candela = 2247.0

 — C0 - C180  
 — C90 - C270


PHOTOMETRIC FILENAME : EYE 200 - EY200POSWXB10X 20W 60°.IES

Job Name/Date:

Fixture Type Designation:



Outdoor IP65  
**Accent™ Series**  
**LED Strip Light**

---

Product Data Sheet



Please read all instructions carefully before installation.

## Description

Our Outdoor (IP65) UltraBright™ Accent Series is the perfect choice for those wanting to uplift and revitalize any size space - inside or outside. With near-perfect color rendering and longer run lengths, these sophisticated lights are made to satisfy the desire for beauty and functionality. The weatherproof IP65 silicone cover promises complete protection against dust, can withstand powerful streams of water, and allows the strips to be easy to clean. Rediscover your favorite spaces and boast an even, bright line of light using minimal energy. Whether you want to brighten decks, beautify kitchens, or highlight your display windows, the IP65-rated Accent™ Series will truly reinvent your space.

15 Year  
Warranty



**TITLE  
24**  
REQUIREMENTS

Title 24 is regulated for lamps with color temperatures 4000K and below

## Product Features

|                              |  |
|------------------------------|--|
| CRI                          | High CRI of up to 97                       |
| R9 and R13 Values            | High R9 (99) & R13 (98) values             |
| Lumens                       | Up to 300 lm/ft (985 lm/m)                 |
| Efficacy                     | Up to 80 lm/W                              |
| Voltage                      | 12V and 24V DC Input                       |
| LEDs/Foot                    | 73 LEDs/ft (240/m)                         |
| Beam Angle                   | 120° Beam Angle                            |
| Ambient Temp                 | -4°F to 113°F (-20°C to 45°C)              |
| PCB                          | 4 oz copper PCB                            |
| LED Pitch                    | 3/16" (4 mm)                               |
| Strip Width                  | 1/2" (12 mm)                               |
| Cutting Points 12V           | 1/2" (13 mm)                               |
| Cutting Points 24V           | 1" (25 mm)                                 |
| Max Run Length in Series 12V | 32 ft (10 m)                               |
| Max Run Length in Series 24V | 49 ft (15 m)                               |
| LED Size                     | 2216                                       |
| Adhesive Type                | 3M VHB 9495 tape (IP65)                    |
| Dimmable                     | Yes  |
| IP65 Protection              | Non-yellowing UV resistant silicone sleeve |



## Product Specifications

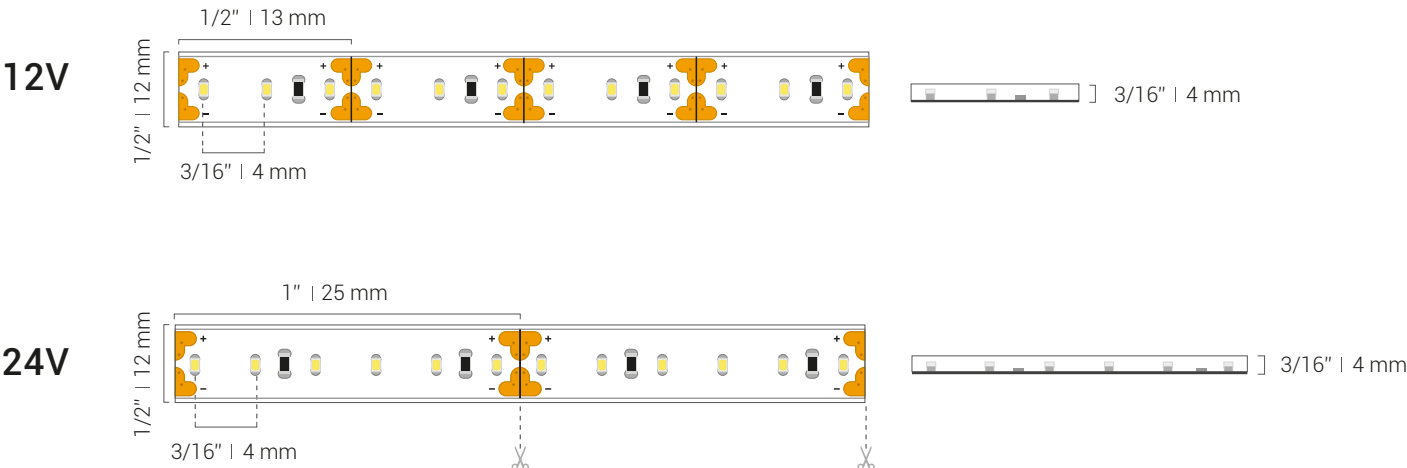
| Product SKU     | Color*<br>(CCT) | Watts / Foot<br>(Meter) | Lumen / Foot<br>(Meter) | Luminous<br>Efficacy<br>(Lumens / Watt) | CRI | Gamut<br>Score Rg<br>(Color Sat.) | Fidelity<br>Score Rf<br>(Color Render) | TLCI<br>(Qa) | CQS |
|-----------------|-----------------|-------------------------|-------------------------|---|-----|-----------------------------------|--|--------------|-----|
| IP65-AT1-27K97C | 2700K           | 3.5 W/ft<br>(11.5 W/m)  | 267 lm/ft<br>(877 lm/m) | 76                                      | 97  | 105                               | 95                                     | 95           | 96  |
| IP65-AT1-30K97C | 3000K           | 3.5 W/ft<br>(11.5 W/m)  | 275 lm/ft<br>(901 lm/m) | 78                                      | 97  | 103                               | 96                                     | 98           | 98  |
| IP65-AT1-35K97C | 3500K           | 3.5 W/ft<br>(11.5 W/m)  | 281 lm/ft<br>(921 lm/m) | 80                                      | 97  | 103                               | 96                                     | 98           | 98  |
| IP65-AT1-40K95C | 4000K           | 3.5 W/ft<br>(11.5 W/m)  | 263 lm/ft<br>(864 lm/m) | 75                                      | 97  | 102                               | 96                                     | 98           | 98  |
| IP65-AT1-50K95C | 5000K           | 3.5 W/ft<br>(11.5 W/m)  | 300 lm/ft<br>(985 lm/m) | 80                                      | 97  | 103                               | 96                                     | 99           | 98  |

\*CCT may be +/-100K but always ordered from same bin and will present no noticeable differences perceived by the human eye.

## Ordering Code

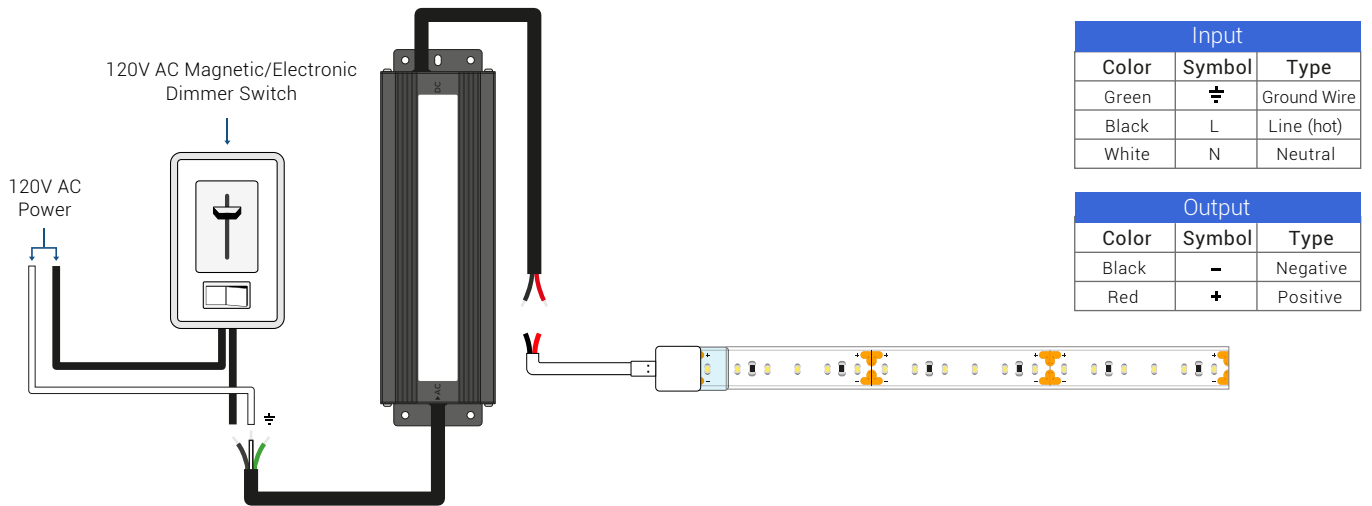
| IP Protection                 | Brand                      | Series                         | CCT   | Voltage                  | Length                                     |
|-------------------------------|----------------------------|--------------------------------|---|--------------------------|--|
| <b>IP65 -</b><br>Weatherproof | <b>UB -</b><br>UltraBright | <b>AT1 -</b><br>Accent™ Series | <b>27K97C</b> - 2700K/97+ CRI<br><b>30K97C</b> - 3000K/97+ CRI<br><b>35K97C</b> - 3500K/97+ CRI<br><b>40K95C</b> - 4000K/95+ CRI<br><b>50K95C</b> - 5000K/95+ CRI | <b>12V</b><br><b>24V</b> | 16FT - 16.4 ft Reel<br>32FT - 32.8 ft Reel |

## Dimensions

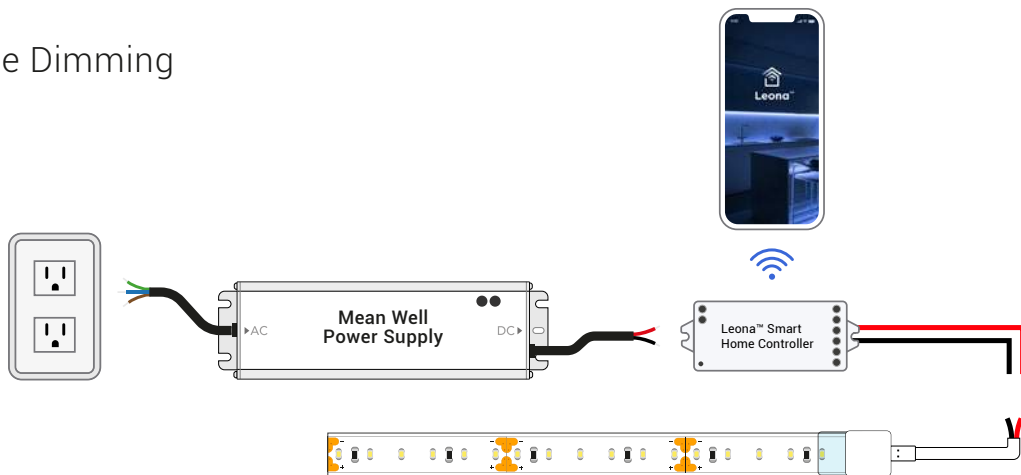


## Dimming Options

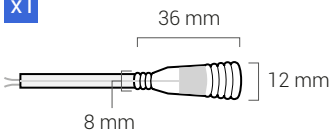
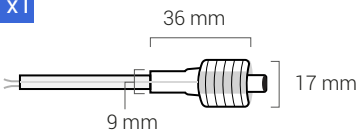



### Lutron Style Wall Dimmer



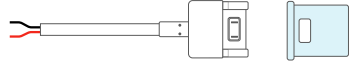


### In-Line Dimming



## Included Accessories

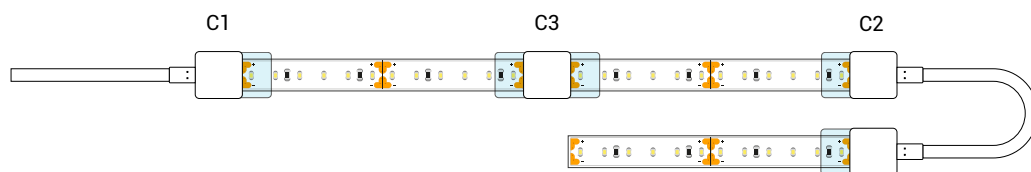
|   |   |   |  |   |
|---|---|---|--|---|
| <b>x1</b><br><br><b>Weatherproof C1 Connector (Female)</b> | <b>x1</b><br><br><b>Weatherproof C1 Connector (Male)</b> | <b>x10</b><br><br><b>Mounting Bracket</b><br>W: 6 mm L: 28 mm | <b>x2</b><br><br><b>End Cap</b><br>W: 14 mm L: 6 mm | <b>x2</b><br><br><b>End Cap with holes</b><br>W: 14 mm L: 6 mm |
|---|---|---|--|---|

## Strip Light Connectors

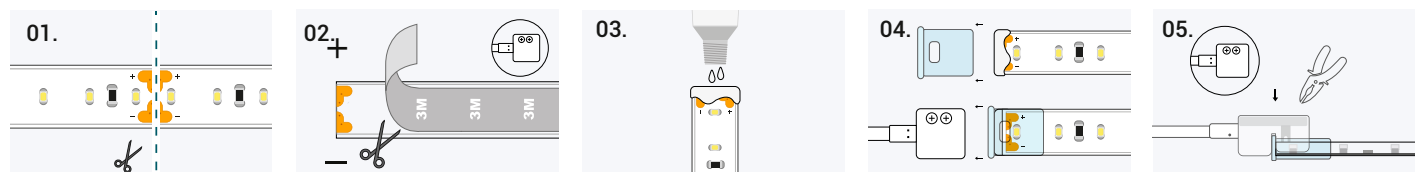
| SKU                   | Description                                     | Wire Gauge | Amperage** Limit | Diagram   |
|-----------------------|---|------------|------------------|---|
| IP65-GRIP-SC-C1-10-40 | Outdoor IP65 Grip Connector with 40" wire       | 20 AWG     | 5 Amps           |    |
| IP65-GRIP-SC-C2-10-08 | Outdoor IP65 Grip Jumper Connector with 8" wire | 20 AWG     |                  |  |
| IP65-GRIP-SC-C3-10-0  | Outdoor IP65 Grip Jumper Connector              |            |                  |  |

\*Calculate max length of LED strip to follow the solderless connector based on an amperage draw of 0.3 A/ft (0.96 A/m) at 12 volts, 0.15 amps per foot (0.48 A/m) at 24 volts.

\*\*Be sure no more than 5 amps is drawn after any solderless connector.

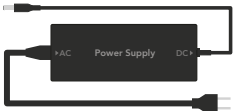



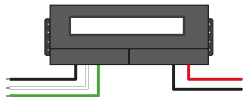


## Solderless Connection Guide

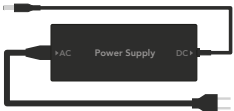

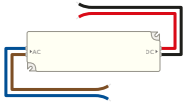

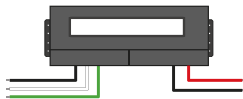



1. Cut the LED strip light and the silicone sleeve on the cutting point you want to install the connector.
2. Check the polarity and remove 2" of the adhesive tape and its backer from the back of the LED Strip light.
3. Apply Silicone sealant liberally inside of the silicone sleeve until ensuring it is completely sealed.
4. Slide the transparent case of your Outdoor IP65 Grip connector into the sleeve, until making sure that the strip is making proper contact.
5. Grab the white plastic part of your connector and push the metal contacts through the window of the transparent case. Adjust it with pliers until you hear a click, and then let the sealant cure according to its own instructions.

## Compatible Drivers (12V)

|              | Power Supply         | LED Strip Length | Product SKU            | Diagram   |
|--------------|----------------------|------------------|------------------------|---|
| Non-dimmable | Plug-In Power Supply | 1 - 2 ft         | 12V-WMPS2-1            |    |
|              |                      | 3 - 5 ft         | 12V-DPS2-2             |   |
|              |                      | 6 - 10 ft        | 12V-DPS2-4             |   |
|              |                      | 11 - 16 ft       | 12V-DPS2-6             |   |
|              |                      | 17 - 21 ft       | 12V-DPS2-8             |   |
|              | Mean Well™ HLG       | 2 - 10 ft        | HLG-40H-12A            |    |
|              |                      | 11 - 15 ft       | HLG-80H-12A            |   |
|              |                      | 16 - 30 ft       | HLG-120H-12A           |   |
|              |                      | 31 - 38 ft       | HLG-150H-12A           |   |
|              |                      | 39 - 49 ft       | HLG-240H-12A           |   |
|              |                      | 50 - 68 ft       | HLG-320H-12A           |   |
|              |                      | 69 - 123 ft      | HLG-600H-12A           |   |
|              | Mean Well™ LPV       | 1 - 5 ft         | LPV-20-12              |  |
|              |                      | 6 - 9 ft         | LPV-35-12              |   |
|              |                      | 10 - 15 ft       | LPV-60-12              |   |
|              |                      | 16 - 25 ft       | LPV-100-12             |   |
| Dimmable     | Zurik® EMLV          | 1 - 7 ft         | ZRK-EMLV2-30W-12VDC    |  |
|              |                      | 8 - 15 ft        | ZRK-EMLV2-60W-12VDC    |   |
|              |                      | 16 - 30 ft       | ZRK-EMLV2-120W-12VDC-J |   |
|              |                      | 31 - 51 ft       | ZRK-EMLV2-200W-12VDC-J |   |
|              |                      | 52 - 77 ft       | ZRK-EMLV2-300W-12VDC-J |   |
|              | Zurik® Universal     | 1 - 14 ft        | ZRK-UNV-60W-12VDC      |  |
|              |                      | 15 - 28 ft       | ZRK-UNV-120W-12VDC     |   |
|              |                      | 29 - 50 ft       | ZRK-UNV-200W-12VDC     |   |
|              |                      | 51 - 78 ft       | ZRK-UNV-300W-12VDC     |   |
|              |                      | 1 - 45 ft        | ZRK-UNV-C180W-12VDC    |   |
|              |                      | 46 - 78 ft       | ZRK-UNV-C300W-12VDC    |   |

## Compatible Drivers (24V)

|              | Power Supply                 | LED Strip Length | Product SKU   | Diagram   |
|--------------|------------------------------|------------------|---|---|
| Non-dimmable | Plug-In Power Supply         | 1 - 5 ft         | 24V-WMPS2-1   |    |
|              |                              | 6 - 13 ft        | 24V-DPS2-2.5  |   |
|              |                              | 14 - 21 ft       | 24V-DPS2-4  |   |
|              |                              | 22 - 27 ft       | 24V-DPS2-5  |   |
|              | Mean Well™ HLG               | 2 - 10 ft        | HLG-40H-24A   |    |
|              |                              | 11 - 15 ft       | HLG-60H-24A   |   |
|              |                              | 16 - 25 ft       | HLG-100H-24A  |   |
|              |                              | 26 - 30 ft       | HLG-120H-24A  |   |
|              |                              | 31 - 47 ft       | HLG-185H-24A  |   |
|              |                              | 48 - 61 ft       | HLG-240H-24A  |   |
|              |                              | 62 - 82 ft       | HLG-320H-24A  |   |
|              |                              | 83 - 154 ft      | HLG-600H-24A  |   |
|              | Mean Well™ LPV               | 1 - 5 ft         | LPV-20-24   |  |
|              |                              | 6 - 9 ft         | LPV-35-24   |   |
|              |                              | 10 - 15 ft       | LPV-60-24   |   |
| Dimmable     | Zurik® EMLV                  | 1 - 7 ft         | ZRK-EMLV2-30W-24VDC   |  |
|              |                              | 8 - 15 ft        | ZRK-EMLV2-60W-24VDC   |   |
|              |                              | 16 - 24 ft       | ZRK-EMLV2-96W-24VDC-J   |   |
|              |                              | 25 - 30 ft       | ZRK-EMLV2-120W-24VDC-J  |   |
|              |                              | 31 - 51 ft       | ZRK-EMLV2-200W-24VDC-J  |   |
|              |                              | 52 - 77 ft       | ZRK-EMLV2-300W-24VDC-J  |   |
|              | Zurik® Universal             | 1 - 14 ft        | ZRK-UNV-60W-24VDC   |  |
|              |                              | 15 - 23 ft       | ZRK-UNV-96W-24VDC   |   |
|              |                              | 24 - 28 ft       | ZRK-UNV-120W-24VDC  |   |
|              |                              | 29 - 50 ft       | ZRK-UNV-200W-24VDC  |   |
|              |                              | 51 - 78 ft       | ZRK-UNV-300W-24VDC  |   |
|              |                              | 1 - 48 ft        | ZRK-UNV-C192W-24VDC   |   |
|              |                              | 49 - 99 ft       | ZRK-UNV-C384W-24VDC   |   |
|              | Lutron® Hi-Lume™ Premier     | 1 - 27 ft        | L3D0-96W24V-U   |  |
|              |                              |                  |   |   |
|              | 0.1% Constant Voltage Driver | Dimming Range:   | Description:  |   |
|              |                              | 0.1-100%         | Hi-Lume Premier 0.1% EcoSystem 24V constant voltage LED driver with Soft-on, Fade-to-Black dimming technology |   |

## Compatible Aluminum Extrusions

| Name  | Type           | Included Accessories   | Covers   | Kit SKU  | Mockup  |
|---|----------------|--|--|--|---|
| <b>Ion™</b>   | Surface Mount  | -  | -  | ION-CH-A-1M  |    |
| <b>Titan™</b>   | Surface Mount  | 2 Open End Caps<br>2 Closed End Caps<br>4 Metal Mounting Clips | Clear Cover, 1 m (3' 3/8")<br>Frosted Cover, 1 m (3' 3/8")<br>Matte Cover, 1 m (3' 3/8")   | TTN-CH-A-CVR-C-1M<br>TTN-CH-A-CVR-F-1M<br>TTN-CH-A-CVR-M-1M                                  |    |
| <b>Gemini™</b>  | Surface Mount  | 2 Open End Caps<br>2 Closed End Caps<br>4 Metal Mounting Clips | Clear Cover, 1 m (3' 3/8")<br>Frosted Cover, 1 m (3' 3/8")<br>Matte Cover, 1 m (3' 3/8")   | GEM-CH-A-CVR-C-1M<br>GEM-CH-A-CVR-F-1M<br>GEM-CH-A-CVR-M-1M                                  |    |
| <b>Note:</b> This extrusion only fits the Outdoor (IP65) Accent™ Series LED strip without connectors. |                |  |  |  |   |
| <b>Nova™</b>  | Surface Mount  | 2 Open End Caps<br>2 Closed End Caps<br>4 Metal Mounting Clips | Clear Round Cover, 1 m (3' 3/8")<br>Clear Square, 1 m (3' 3/8")<br>Matte Round Cover, 1 m (3' 3/8")<br>Matte Square Cover, 1 m (3' 3/8") | NOV-CH-A-CVR-C-RD-1M<br>NOV-CH-A-CVR-C-SQ-1M<br>NOV-CH-A-CVR-M-RD-1M<br>NOV-CH-A-CVR-M-SQ-1M |    |
| <b>Note:</b> This extrusion only fits the Outdoor (IP65) Accent™ Series LED strip without connectors. |                |  |  |  |   |
| <b>Kepler™</b>  | Surface Mount  | 2 Open End Caps<br>2 Closed End Caps<br>4 Metal Mounting Clips | Clear Cover, 1 m (3' 3/8")<br>Frosted Cover, 1 m (3' 3/8")<br>Matte Cover, 1 m (3' 3/8")   | KEP-CH-A-CVR-C-1M<br>KEP-CH-A-CVR-F-1M<br>KEP-CH-A-CVR-M-1M                                  |  |
| <b>Note:</b> This extrusion only fits the Outdoor (IP65) Accent™ Series LED strip without connectors. |                |  |  |  |   |
| <b>Laika™</b>   | Surface Mount  | 2 Open End Caps<br>2 Closed End Caps<br>4 Metal Mounting Clips | Clear Cover, 1 m (3' 3/8")<br>Frosted Cover, 1 m (3' 3/8")   | LAI-CH-A-CVR-C-1M<br>LAI-CH-A-CVR-F-1M   |  |
| <b>Note:</b> This extrusion only fits the Outdoor (IP65) Accent™ Series LED strip without connectors. |                |  |  |  |   |
| <b>Atlas™</b>   | Angled Mount   | 2 Open End Caps<br>2 Closed End Caps<br>4 Metal Mounting Clips | Clear Cover, 1 m (3' 3/8")<br>Frosted Cover, 1 m (3' 3/8")<br>Matte Cover, 1 m (3' 3/8")   | ATL-CH-A-CVR-C-1M<br>ATL-CH-A-CVR-F-1M<br>ATL-CH-A-CVR-M-1M                                  |  |
| <b>Note:</b> This extrusion only fits the Outdoor (IP65) Accent™ Series LED strip without connectors. |                |  |  |  |   |
| <b>Calypso™</b>   | Recessed Mount | 2 Open End Caps<br>2 Closed End Caps<br>4 Metal Mounting Clips | Frosted Cover, 1 m (3' 3/8")<br>Matte Cover, 1 m (3' 3/8")   | CAL-CH-A-CVR-F-1M<br>CAL-CH-A-CVR-M-1M   |  |
| <b>Phoenix™</b>   | Recessed Mount | 2 Open End Caps<br>2 Closed End Caps<br>4 Metal Mounting Clips | Frosted Cover, 1 m (3' 3/8")<br>Matte Cover, 1 m (3' 3/8")   | PHO-CH-A-CVR-F-1M<br>PHO-CH-A-CVR-M-1M   |  |
| <b>Cassini™</b>   | Recessed Mount | 2 Open End Caps<br>2 Closed End Caps<br>4 Metal Mounting Clips | Clear Cover, 1 m (3' 3/8")<br>Frosted Cover, 1 m (3' 3/8")<br>Matte Cover, 1 m (3' 3/8")   | CAS-CH-A-CVR-C-1M<br>CAS-CH-A-CVR-F-1M<br>CAS-CH-A-CVR-M-1M                                  |  |
| <b>Note:</b> This extrusion only fits the Outdoor (IP65) Accent™ Series LED strip without connectors. |                |  |  |  |   |

## Safety And Disclosures

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1. Installation must be in accordance with local and national electrical code regulations.
2. To ensure safety and correct installation, our strips are intended to be installed by a qualified, licensed electrician.
3. Only install with a Class 2 DC Constant Voltage LED driver to meet UL requirements.
4. Do not install in an environment where excessive heat may exist.
5. LED strip lights must be handled with care. Excessive handling, bending, and pressure may damage the product, voiding the warranty.
6. Do not secure this product with any kind of staples, nails, or materials that could potentially damage the product in any way. Keep these instructions for future reference.
7. Do not cover this product with any kind of combustible material such as paper, fabrics, etc.
8. Do not install within 5 feet of a swimming pool or spa.
9. Each maximum run requires a dedicated power feed from the driver. Do not extend beyond the recommended maximum run length.
10. Make sure the appropriate gauge wire is installed between the driver, LEDs, and any dimmers. When choosing wire, calculate voltage drop, maximum amperage rating, and the location ratings on the wire. Improper wire selection and installation could overheat wires, and cause fire.
11. Do not modify the product beyond instructions or warranty will be void.
12. We reserve the right to modify and improve the design of our fixtures without prior notice. Although we try our best to order the same colors every time, due to changes in technology and phosphors over time, we cannot guarantee to match existing installed fixtures for subsequent orders or replacements in regards to product appearance, CCT, or lumen output.
13. Do not install product with the majority of the product unsupported. Allowing the product to be suspended or dangling while installing may cause damage to the PCB due to the weight of the strip and/or spool.

## Warranty Information

### Limited Warranty

This product has a 15 year limited warranty from the date of shipment. This warranty only includes the main product outlined in this specification sheet and does not include the additional accessories that are used as a reference. Complete warranty details for fixtures and additional accessories are available at <https://www.flexfireleds.com/warranties/> within the Policies section. For warranty related questions please contact the product support team at ([support@flexfireleds.com](mailto:support@flexfireleds.com)).

### Consumer's Acknowledgment

Flexfire LEDs, Inc. stands behind its products when they are used properly and according to our specifications. When you purchase our products, you are agreeing to the terms and conditions outlined in our warranty section. We try our best to make recommendations, but the burden of proper installation, design, and maintenance relies on the purchaser. This limited warranty does not include product failures that are the result of: Not using a voltage regulated power supply to connect the LED product or controls; Connecting LED products to the wrong output voltage; Improper connection of power supplies, LED products, or controls; Connecting LED products or controls directly to any AC power source if they are stated for DC only input; Connecting power supplies backwards to an AC power source; Products used in an inappropriate location or in environmental conditions (temperature, humidity, moisture, etc.) outside the normal specified range; Water damage to products not specifically sold as waterproof products; Electrical power surges and spikes; Damage from hail, flooding, tornado, fire, wind, earthquake, lightning, electrical storm, or any other natural disasters or "force majeure" incidences; Damage caused by a vehicle or other accident; Damage caused when transporting the item; Damage to any products that were modified by the user, used for purposes other than as intended or directed, or connected to LED systems or components not purchased from Flexfire LEDs; Products that have been subjected to misuse, mishandling, misapplication or accident. Products used in connection with any components, devices or systems other than those explicitly approved as compatible with Company's products and listed on Company's website. Excessive wear and tear and/or physical or accidental abuse, loss, or theft. Improper repairs or warranty services performed by someone other than Flexfire LEDs will void this warranty.

## Contact Information



**Toll Free Number:**  
1-844-353-9347



**Local Number:**  
(925) 273-9080



**info@flexfireleds.com**

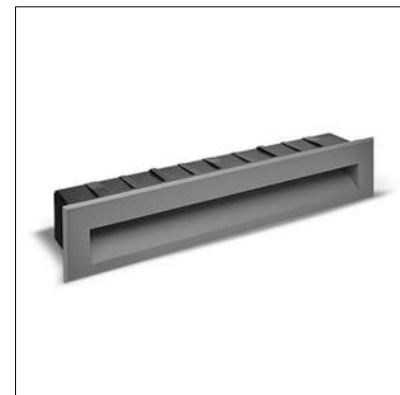


**FLEXFIRELEDs**

[www.flexfireleds.com](http://www.flexfireleds.com)

# STEP LINEAR 07

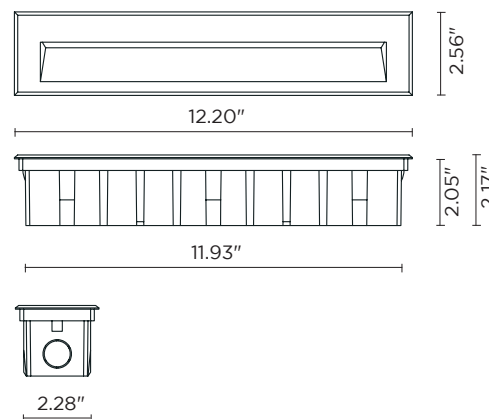
Step Linear 07 is a recessed linear steplight for outdoor installation in walls. It is available in 3000K with an asymmetric 120° optic and a textured gray finish.



## TECHNICAL DATA

|                           |   |
|---------------------------|---|
| <b>Wattage / Input</b>    | 10.5W (120VAC)  |
| <b>Power Supply</b>       | Integral  |
| <b>Construction</b>       | Body/Frame: Die-Cast Copper-Free Aluminum<br>Lens: Tempered, Frosted Glass<br>Cable Length: 1.64' |
| <b>CCT</b>                | 3000K   |
| <b>Delivered Lumens</b>   | 324 lm (3000K)  |
| <b>Efficacy</b>           | 30.9 lm/W   |
| <b>Optics</b>             | Asymmetric 120°   |
| <b>Finishes</b>           | Textured Gray   |
| <b>Fixture Dimensions</b> | 2.56" w x 12.20" l x 2.17" h  |
| <b>LED Source</b>         | 30 x SMD5630 Low Power LEDs   |
| <b>Fixture Weight</b>     | 3.31 lbs  |
| <b>IP Rating</b>          | IP65  |
| <b>IK Rating</b>          | IK08  |

## Fixture Dimensions

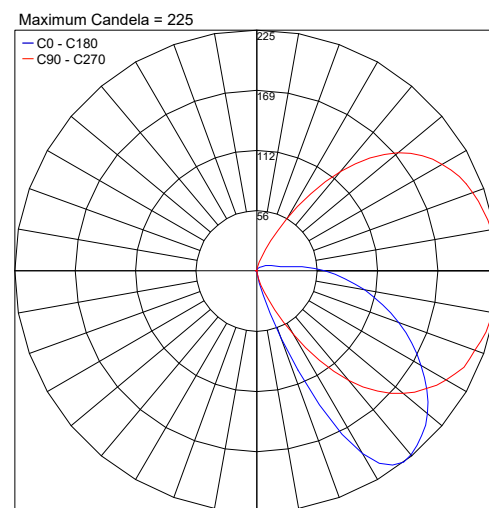


## ORDERING INFORMATION

Example: 502020P

| 502020P   |       |        |               |
|-----------|-------|--------|---------------|
| Model No. | CCT   | Optics | Finish        |
| 502020P   | 3000K | 120°   | Textured Gray |

## PHOTOMETRIC DATA



Job Name/Date:

Fixture Type Designation:

# BEAM 2.7

Beam 2.0 is a recessed in-grade uplight with a cap and lateral light emission to indicate pathways and pedestrian zones. It is offered in single or double beam in white or blue light with radial optics and 3 different finishes.

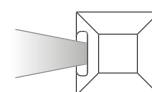
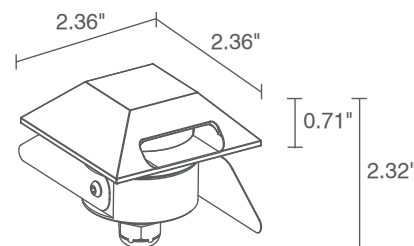
## TECHNICAL DATA

|                           |   |
|---------------------------|---|
| <b>Wattage / Input</b>    | 2W (single or double beam: 24VDC)   |
| <b>Power Supply</b>       | Remote, not included. See page 2.   |
| <b>Construction</b>       | Body: Stainless Steel or Anodized Aluminum<br>Trim: Stainless Steel or Aluminum<br>Lens: Sandblasted Plexiglass |
| <b>CCT</b>                | 2700K, 3000K, 4000K, 5000K, Blue  |
| <b>CRI</b>                | >80   |
| <b>Delivered Lumens</b>   | Single Beam: 70 lm (3000K)<br>Double Beam: 51 lm (3000K) per beam   |
| <b>Efficacy</b>           | Single Beam: 35 lm/W (3000K)<br>Double Beam: 25.5 lm/W (3000K) per beam   |
| <b>Optics</b>             | Radial  |
| <b>Finishes</b>           | Stainless Steel, Grey, Anthracite, Custom RAL   |
| <b>Fixture Dimensions</b> | 2.36" x 2.36" x 2.32"   |
| <b>Cut-out Size</b>       | Ø1.77" (for wall installations)   |
| <b>Fixture Weight</b>     | 1.04 lbs Stainless Steel<br>0.55 lbs Grey Aluminum  |
| <b>LED Source</b>         | Single Beam: 1 Power LED<br>Double Beam: 2 Power LEDs   |
| <b>Lumen Maintenance</b>  | L80, B10 >50,000hrs (Ta 25°C)   |
| <b>Color Consistency</b>  | 1/4 ANSI BIN  |
| <b>Operating Temp.</b>    | -4°F to +113°F  |
| <b>IP Rating</b>          | IP67  |
| <b>IK Rating</b>          | IK09  |

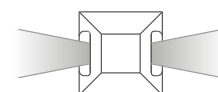


Cut-out Dimension for wall installations  
= Ø1.77"

Fixture Dimensions



Single Beam



Double Beam

## ORDERING INFORMATION

*Example: CD27215DH or CD27215DH-2. Accessories and Power Supplies ordered separately.*

|                      |           | <b>D</b>   |                           |                |
|----------------------|-----------|------------|---------------------------|----------------|
| Model No.            | CCT       | Optics     | Finish                    | Cable Length   |
| CD2712 (single beam) | F - 2700K | D - Radial | I - Stainless Steel       | 4.92' standard |
| CD2721 (double beam) | 5 - 3000K |            | F - Grey                  | 1 - 16.40'     |
|                      | 9 - 4000K |            | H - Anthracite            | 2 - 32.81'     |
|                      | 0 - 5000K |            | C - Custom                | 3 - 49.21'     |
|                      | 1 - Blue  |            | (consult factory for "C") | 4 - 65.62'     |

Job Name/Date:

Fixture Type Designation:

## SUGGESTED POWER SUPPLIES

24VDC - Single Beam or Double Beam

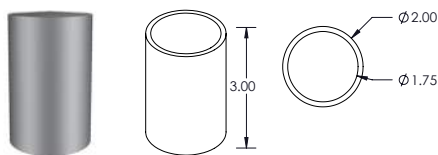
| Part Number               | Description   | Input/Output                       | # of Fixtures |
|---------------------------|---|------------------------------------|---------------|
| <a href="#">PPLT00149</a> | Non-Dim   | 120VAC to 24VDC, 10W, Class 2      | 1-4           |
| <a href="#">PPLT00632</a> | 0-10V Dimming (Dim to Off)                              | 120-277VAC to 24VDC, 12W, Class 2  | 1-4           |
| <a href="#">PPLT00155</a> | Non-Dim   | 120VAC to 24VDC, 30W, Class 2      | 1-12          |
| <a href="#">PPLT00157</a> | Non-Dim   | 120VAC to 24VDC, 60W, Class 2      | 1-24          |
| <a href="#">PPLT00599</a> | ELV / TRIAC & 0-10V Dimming (100 to 0%)                 | 120-277VAC to 24VDC, 96W, Class 2  | 1-38          |
| <a href="#">PPLT00543</a> | 0-10V Dimming to 15% (-40°C / -40°F cold weather start) | 120-277VAC to 24VDC, 100W, Class 2 | 5-40          |

For other power supply options consult factory.

## ACCESSORIES - Installation



**WC1501**  
Outer Casing  
For in-grade use

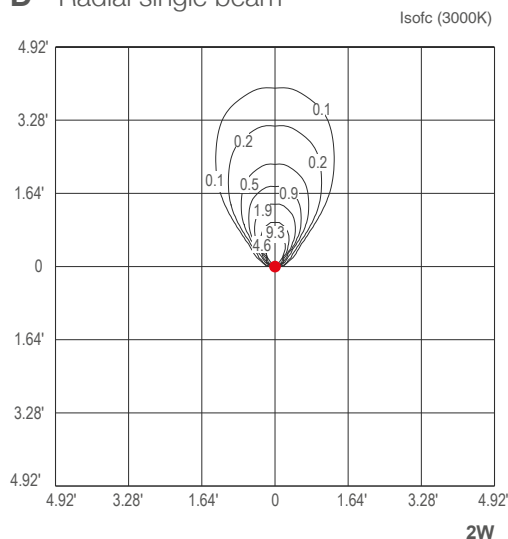


**PPMP03113**  
Core Drilled  
Application Sleeve

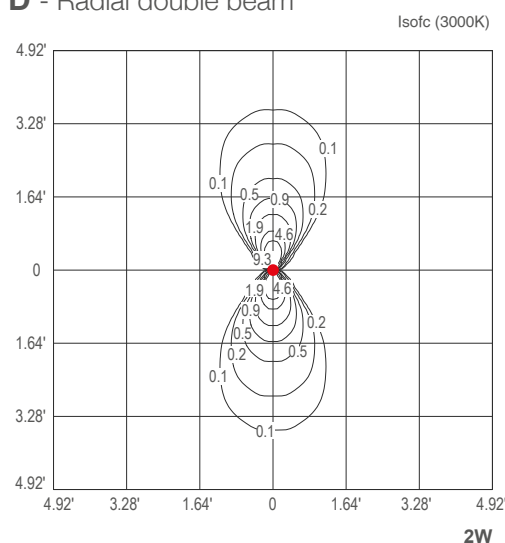
## PHOTOMETRIC DATA

Note all Photometry is 3000K

## D - Radial single beam



## D - Radial double beam



Job Name/Date:

Fixture Type Designation:

Project name: \_\_\_\_\_

Type: \_\_\_\_\_



Wall mounted luminaire with asymmetric light distribution that provides ambient light on vertical surfaces. Suitable for exterior applications.

**Luminaire characteristics:****Power input:** 24W**Lumens:** 950 lm (delivered for 3000K)**Luminaire efficacy:** 39 lm/W (for 3000K)**Source:** LED module, LM-80 tested.

3000K : 90CRI.

4000K : 90CRI.

**Lumen maintenance:** 70% of initial lumens at >50 000 hours (L70), LM79 tested.**Optics:** Accent light.**Mounting:** See mounting options on page 2.**Material:**

Body: Die-cast aluminum.

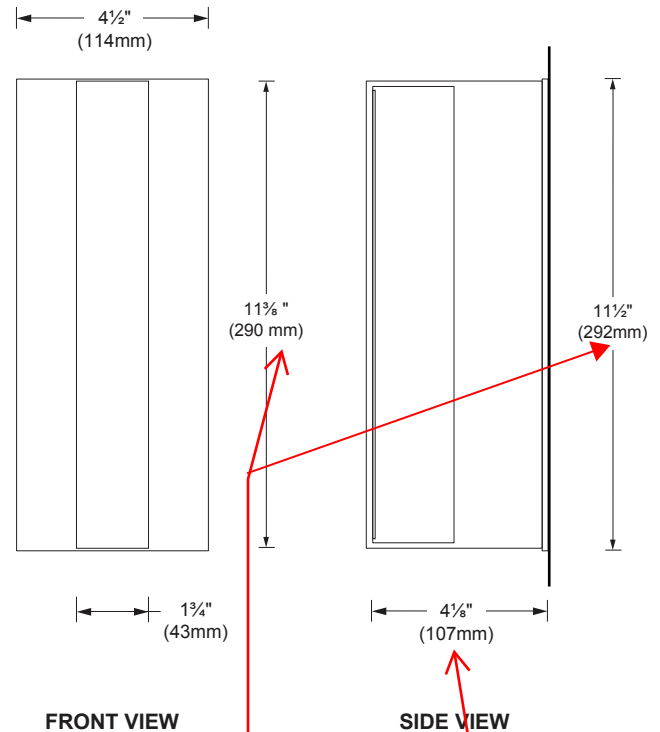
Diffuser: Toughened glass.

**Electrical:** Universal high efficiency electronic power supply, rated at 50 000 hours, 120-277V. See page 3 for remote power supply options.**Finish:** White or Aluminum gray.**Weight:** 2.80lbs (1.27kg).**Warranty:** 5 year limited warranty.**Certification:** cULus listed for wet location.**Ratings:** IP54, IK06

4" Junction box



Single gang box

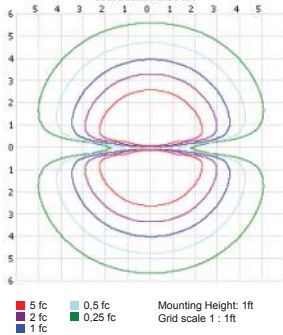


Project name: \_\_\_\_\_

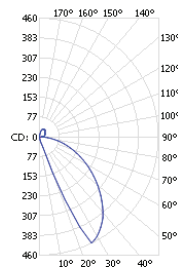
Type: \_\_\_\_\_

**PHOTOMETRIC DATA**Visit [sistemalux.com](http://sistemalux.com) for complete photometric data.

| LOAD<br>(W) | CCT<br>(K) | CRI | OPTIC        | LUMENS<br>(lm) | EFFICACY<br>(lm / w) | MAX CANDELA<br>(cd) | MODEL   |
|-------------|------------|-----|--------------|----------------|----------------------|---------------------|---------|
| 24W         | 3000K      | 90  | Accent light | 950            | 39                   | 455                 | S.7270W |



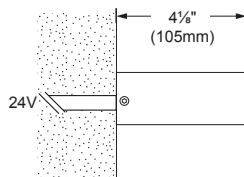
3000K - 90 CRI - accent light



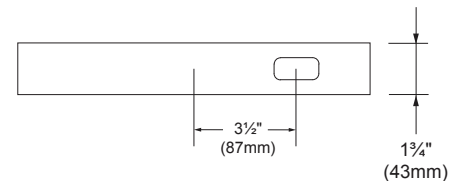
This luminaire will be modified to a custom fixture with 400 lumen output.

**SURFACE MOUNTING OPTIONS**

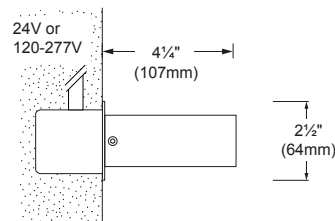
**DF-REM** - Direct feed with remote power supply.  
Connections made inside fixture (14-18AWG). Rigid or flexible conduit up to Ø1" cabbire, romex or bx. Installed directly to surface.

**FEED POSITION**

The feed is located 3 1/2" (87mm) from the center of the fixture. Refer to instruction sheet for more precise mounting details.

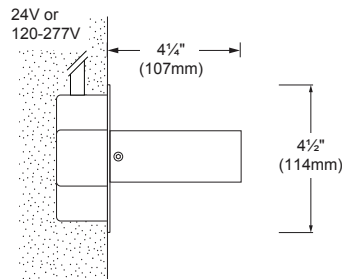
**FRONT VIEW**

**J2-UNV** - 2" junction box with integral power supply.  
Mounting adapter plate for junction box installation.  
Min 1 1/8" (48mm) deep



**J2-REM** - 2" junction box with remote power supply.  
Mounting adapter plate for junction box installation.  
Min 1 1/8" (48mm) deep

**JB-UNV** - 4" junction box with integral power supply.  
Mounting adapter plate for junction box installation.  
Min 1 1/2" (38mm) deep



**JB-REM** - 4" junction box with remote power supply.  
Mounting adapter plate for junction box installation.  
Min 1 1/2" (38mm) deep

Project name: \_\_\_\_\_

Type: \_\_\_\_\_

## ORDERING INFO

| MODEL  | MOUNTING  | ELECTRICAL  | FINISH   |
|--|---|---|--|
| <input type="radio"/> <b>S.7270W</b> - 3000K<br><input type="radio"/> <b>S.7270N</b> - 4000K | <input type="radio"/> <b>DF</b> - Surface mounted with direct feed<br><input type="radio"/> <b>JB</b> - Surface mounted with junction box<br><input type="radio"/> <b>J2</b> - Surface mounted with single gang box | <input type="radio"/> <b>UNV</b> - 120-277V<br><input type="radio"/> <b>REM</b> - 24V remote power supply | <input type="radio"/> <b>01</b> - White<br><input type="radio"/> <b>14</b> - Aluminum gray |

**REMOTE POWER SUPPLY OPTION** (TO BE ORDERED SEPARATELY)  
 Requirement for one (1) fixture: 22W, 24VDC (Remote fixture only)

|  |  |  |
|--|--|--|
| <input type="radio"/> <b>4444-0024-025-UNV-ND</b>  | <input type="radio"/> <b>4545-0024-075-UNV-ND</b>  | <input type="radio"/> <b>4448-0024-150-UNV-D10</b>   |
| <input type="radio"/> <b>4549-0024-075-UNV-D10</b> | <input type="radio"/> <b>4551-0024-080-120-LTE</b> | <input type="radio"/> <b>4546-0024-200-2C-UNV-ND</b> |

**REMOTE POWER SUPPLY OPTION**  
(TO BE ORDERED SEPARATELY)

| Watts | Min-Max                     | Voltage  | Rated   | Dimming protocol                             | Box dimensions                        | Max distance 18AWG       | Code                    |
|-------|-----------------------------|----------|---------|--|---------------------------------------|--------------------------|-------------------------|
| 25    | 1                           | 120-277V | Indoor  | None   | 6" X 4" X 3"<br>(152 X 102 X 76mm)    | 30ft (9m)                | 4444-0024-025-UNV-ND    |
| 75    | 1-3                         | 120-277V | Outdoor | 0-10V  | 14¼" X 5" X 3¼"<br>(362 X 127 X 83mm) | 30ft (9m)                | 4549-0024-075-UNV-D10   |
| 75    | 1-3                         | 120-277V | Outdoor | None   | 11¼" X 3" X 1¼"<br>(285 X 75 X 42mm)  | 30ft (9m)                | 4545-0024-075-UNV-ND    |
| 80    | 1-3 w/o dim<br>2-3 w/ dim   | 120V     | Outdoor | Leading and trailing edge<br>(ELV and TRIAC) | 14" X 5" X 2"<br>(356 X 127 X 51mm)   | 30ft (9m)                | 4551-0024-080-120-LTE   |
| 150   | 1-6                         | 120-277V | Indoor  | 0-10V  | 10" X 8" X 4"<br>(254 X 203 X 102mm)  | 27ft (8m)                | 4448-0024-150-UNV-D10   |
| 200   | 1-4<br>Per channel<br>MAX 8 | 120-277V | Outdoor | None   | 12" X 4½" X 2⅝"<br>(305 X 114 X 60mm) | 30ft (9m)<br>Per channel | 4546-0024-200-2C-UNV-ND |

# QUBY IP54

## OUTDOOR

designplan<sup>TM</sup> 

datasheet

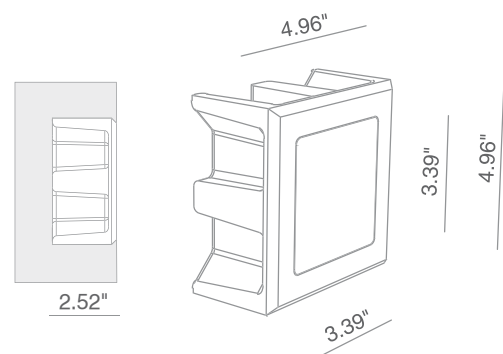
Quby is a recessed wall luminaire made of Calcyt® plaster that can be used as orientation lighting. The fixture has a trimless opaline cover that sits flush with the wall and the absence of a metal frame makes the fixture especially elegant. It is available as indoor (IP20), bathroom or outdoor (IP54) versions in 5 color temperatures.

### TECHNICAL DATA

|                           |   |
|---------------------------|---|
| <b>Wattage / Input</b>    | 1W, 2W, 4W (350mA)                              |
| <b>Power Supply</b>       | Remote, not included. See page 2.               |
| <b>Construction</b>       | Body: CALCYT® plaster<br>Lens: Frosted diffuser |
| <b>CCT</b>                | 2200K, 2700K, 3000K, 4000K, Royal Blue          |
| <b>CRI</b>                | >90 and >80                                     |
| <b>Delivered Lumens</b>   | 42 lm (1W, 3000K)                               |
| <b>Efficacy</b>           | 42 lm/W   |
| <b>Optics</b>             | Fixed   |
| <b>Finishes</b>           | Paintable Plaster                               |
| <b>Fixture Dimensions</b> | 4.96" l x 2.52" w x 4.96" h                     |
| <b>Cut-out Dimension</b>  | 5.20" x 5.20"                                   |
| <b>Aperature</b>          | 3.39" x 3.39"                                   |
| <b>Color Consistency</b>  | 3-Step MacAdam                                  |
| <b>IP Rating</b>          | IP54  |



Ceiling Cut-Out: 5.20" x 5.20"  
Fixture Dimensions



### ORDERING INFORMATION

*Example: 126 60 205. Accessories / Power Supplies ordered separately.*

| Model No.                      | Description                      | Model No.                      | Description                      |
|--------------------------------|----------------------------------|--------------------------------|----------------------------------|
| <b>126 60 505</b> - 2200K      | 1W, 100 lm, CRI 80, IP54 Outdoor | <b>126 61 505</b> - 2200K      | 4W, 400 lm, CRI 80, IP54 Outdoor |
| <b>126 60 005</b> - 2700K      | 1W, 100 lm, CRI 90, IP54 Outdoor | <b>126 61 005</b> - 2700K      | 4W, 400 lm, CRI 90, IP54 Outdoor |
| <b>126 60 105</b> - 3000K      | 1W, 100 lm, CRI 90, IP54 Outdoor | <b>126 61 105</b> - 3000K      | 4W, 400 lm, CRI 90, IP54 Outdoor |
| <b>126 60 205</b> - 4000K      | 1W, 100 lm, CRI 90, IP54 Outdoor | <b>126 61 205</b> - 4000K      | 4W, 400 lm, CRI 90, IP54 Outdoor |
| <b>126 60 305</b> - Royal Blue | 1W, 100 lm, IP54 Outdoor         | <b>126 61 305</b> - Royal Blue | 4W, 400 lm, IP54 Outdoor         |
| <b>126 62 505</b> - 2200K      | 2W, 200 lm, CRI 80, IP54 Outdoor |                                |                                  |
| <b>126 62 005</b> - 2700K      | 2W, 200 lm, CRI 90, IP54 Outdoor |                                |                                  |
| <b>126 62 105</b> - 3000K      | 2W, 200 lm, CRI 90, IP54 Outdoor |                                |                                  |
| <b>126 62 205</b> - 4000K      | 2W, 200 lm, CRI 90, IP54 Outdoor |                                |                                  |
| <b>126 62 305</b> - Royal Blue | 2W, 200 lm, IP54 Outdoor         |                                |                                  |

Job Name/Date:

Fixture Type Designation:

# QUBY IP54

## OUTDOOR

### SUGGESTED POWER SUPPLIES

350mA

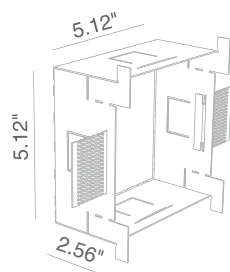
| Part Number                 | Description           | Input/Output                       | # of Fixtures |      |      |
|-----------------------------|-----------------------|------------------------------------|---------------|------|------|
|                             |                       |                                    | 1W            | 2W   | 4W   |
| <a href="#">PPLT00138</a>   | 0-10V Dimming to 10%  | 120-277VAC to 350mA, 4W, Class 2   | 2-3           | 1-1  | N/A  |
| <a href="#">PPLT00468</a>   | Phase Dim (120V only) | 120VAC to 350mA, 14W, Class 2      | 4-12          | 2-6  | 1-3  |
| <a href="#">PPLT00308-P</a> | 0-10V Dimming to 0.1% | 120-277VAC to 350mA, 30W, Class 2  | 1-16          | 1-9  | 1-4  |
| <a href="#">PPLT00309-P</a> | 0-10V Dimming to 0.1% | 120-277VAC to 350mA, 50W, Class 2  | 1-16          | 1-9  | 1-4  |
| <a href="#">PPLT00538-P</a> | 0-10V Dimming to 0.1% | 120-277VAC to 350mA, 100W, Class 2 | 1-68          | 1-40 | 1-16 |

### Suggested Lutron Compatible

| Part Number               | Option         | Lutron SKU | Dim Range | Description  | Input/Output                      | # of Fixtures |     |     |
|---------------------------|----------------|------------|-----------|--|-----------------------------------|---------------|-----|-----|
|                           |                |            |           |  |                                   | 1W            | 2W  | 4W  |
| <a href="#">PPLT00252</a> | LTEA2W         | LTEA       | 100%-1%   | Hi-Lume™ 1% 2-Wire LED Driv. (120V forward phase only) | 120VAC to 350mA, 7W, Class 2      | 4-5           | 2-3 | 1-1 |
| <a href="#">PPLT00247</a> | L3DAE / L3DA3W | L3DA       | 100%-1%   | Hi-Lume™ 1% EcoSystem™ or 1% 3-Wire LED Driv.          | 120-277VAC to 350mA, 7W, Class 2  | 4-5           | 2-3 | 1-1 |
| <a href="#">PPLT00516</a> | L3DAE / L3DA3W | L3DA       | 100%-1%   | Hi-Lume™ 1% EcoSystem™ or 1% 3-Wire LED Driv.          | 120-277VAC to 350mA, 13W, Class 2 | 6-11          | 3-6 | 2-3 |
| <a href="#">PPLT00271</a> | LTEA2W         | LTEA       | 100%-1%   | Hi-Lume™ 1% 2-Wire LED Driv. (120V forward phase only) | 120VAC to 350mA, 13W, Class 2     | 6-11          | 3-6 | 2-3 |
| <a href="#">PPLT00179</a> | L3DAE / L3DA3W | L3DA       | 100%-1%   | Hi-Lume™ 1% EcoSystem™ or 1% 3-Wire LED Driv.          | 120-277VAC to 350mA, 19W, Class 2 | 12-16         | 6-9 | 3-4 |
| <a href="#">PPLT00220</a> | LTEA2W         | LTEA       | 100%-1%   | Hi-Lume™ 1% 2-Wire LED Driv. (120V forward phase only) | 120VAC to 350mA, 19W, Class 2     | 12-16         | 6-9 | 3-4 |

For other power supply options consult factory.

### ACCESSORIES - Installation

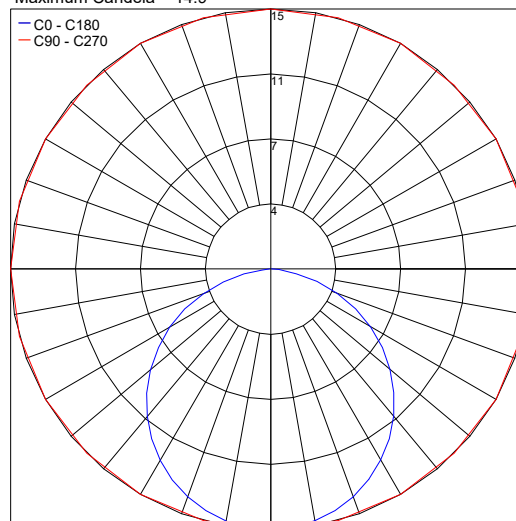


**725 01 000**  
Outer Casing

### PHOTOMETRIC DATA

Note all Photometry is 3000K

Maximum Candela = 14.9

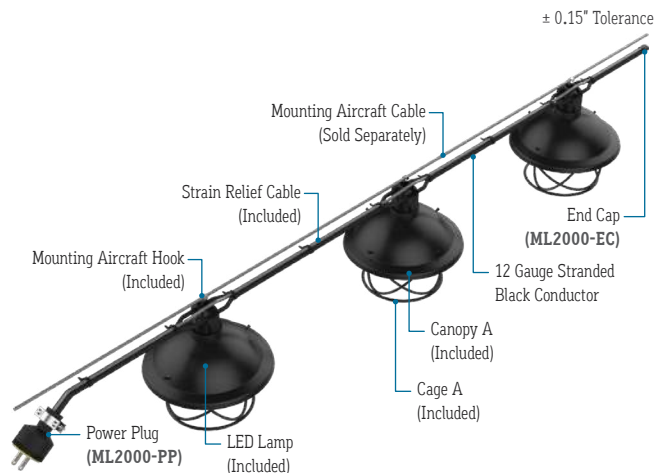


Job Name/Date:

Fixture Type Designation:



CALIFORNIA  
ACCENT  
LIGHTING  
INC



## FEATURES

|               |  |
|---------------|--|
| APPLICATIONS  | Indoor and Outdoor   |
| LAMP          | LED Lamp (Included)  |
| LED LAMP LIFE | 20,000 Hours   |
| LENGTH        | Built to Order   |
| FINISH        | Black  |
| FEED          | Standard 6' Power Lead   |
| STRAIN RELIEF | Cable (Included, Not for Mounting)                                       |
| MOUNTING      | Mounting Aircraft Cable (Sold Separately)                                |
| LISTING       | Dry or Wet Location<br>ANSI/UL1598<br>CSA 22.2 No. 250.0-04, 2nd Edition |
| OPTIONS       | Mesh, Canopies, or Cages   |
| UV RATING     | Sun Light Resistance   |
| BUG RATING    | B0-U1-G0<br>Dark Sky Compliant* <sup>1</sup>                             |
| INSTALLATION  | Link to Installation Instructions  |
| ELECTRICAL    |  |
| DIMMING       | Forward Phase  |
| MAXIMUM RUN   | 100'   |
| VOLTAGE       | 120V   |
| SYSTEM        | 20 Amps (12 Gauge Wire)  |
| WATTS         | 1W or 3W Lamps   |

| SERIES      | SPACING       | LAMP               | DIMMING                     | LISTING       | CANOPY FINISH INSIDE* <sup>2</sup> | CANOPY FINISH OUTSIDE* <sup>2</sup> | FIXTURE LENGTH                          |
|-------------|---------------|--------------------|-----------------------------|---------------|------------------------------------|-------------------------------------|---|
| ML2000-CACA | -             | -                  | -                           | -             | -                                  | -                                   | -                                       |
| ML2000-CACA | 12" O/C (12") | 2.7K-GSF 5.0K-GSFL | Forward Phase (DM)          | Indoor (DRY)  | Natural (NA)                       | Natural (NA)                        | Specify Length in Feet<br>Example: 100' |
|             | 18" O/C (18") | 5.0K-GSF 2.7K-SSF  | Leave Blank for Non-Dimming | Outdoor (WET) | Polished (PA)                      | Polished (PA)                       |   |
|             | 24" O/C (24") | A-GSF 5.0K-SSF     |                             |               | White (WH)                         | White (WH)                          |   |
|             | 36" O/C (36") | R-GSF 2.7K-SSC     |                             |               | Black (BK)                         | Black (BK)                          |   |
|             | 48" O/C (48") | G-BSF 5.0K-SSC     |                             |               | Green (GN)                         | Green (GN)                          |   |
|             | 60" O/C (60") | B-GSF A-SSC        |                             |               | Bronze (BR)                        | Bronze (BR)                         |   |
|             |               | 2.4K-GSFL R-SSC    |                             |               | Silver (SR)                        | Silver (SR)                         |   |
|             |               | 2.7K-GSFL G-SSC    |                             |               | Red (RD)                           | Red (RD)                            |   |
|             |               | 3.0K-GSFL B-SSC    |                             |               |                                    |                                     |   |

\*<sup>1</sup> For Dark Sky Compliant fixtures, use only 2.4K, 2.7K, or 3.0K LEDs

\*<sup>2</sup> Standard Canopy Finish: Black (BK) if unspecified

# ML2000-CACA | STRING LIGHTS

## PROJECT

## TYPE



## END VIEW



Canopy A w/ Cage  
(ML2000-CACA)

## ACCESSORIES (Sold Separately)



Power Plug  
(ML2000-PP)



End Cap  
(ML2000-EC)

## LAMP SPECIFICATIONS

| LAMP NUMBER | CORRELATED COLOR TEMPERATURE | DARK SKY COMPLIANT | COMPATIBLE SHAPES   |
|-------------|------------------------------|--------------------|---------------------|
| 2.4K        | 2400K Incandescent White     | Yes                | GSFL                |
| 2.7K        | 2700K Warm White             | Yes                | GSF, GSFL, SSF, SSC |
| 3.0K        | 3000K Warm White             | Yes                | GSFL                |
| 5.0K        | 5000K Cool White             | No                 | GSF, GSFL, SSF, SSC |
| A           | Amber                        | No                 | SSC, GSF            |
| R           | Red                          | No                 | SSC, GSF            |
| G           | Green                        | No                 | SSC, GSF            |
| B           | Blue                         | No                 | SSC, GSF            |

## CALIFORNIA ACCENT LIGHTING, INC.

2820 E. Gretta Lane, Anaheim, CA 92806

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marketLITE™  
Manufactured in the U.S.A.





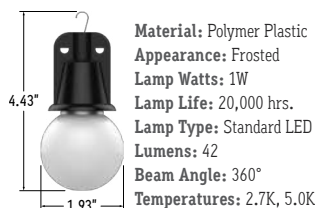
CALIFORNIA  
ACCENT  
LIGHTING  
INC

# ML2000-CACA

STRING  
LIGHTS

L14

## LAMP OPTIONS



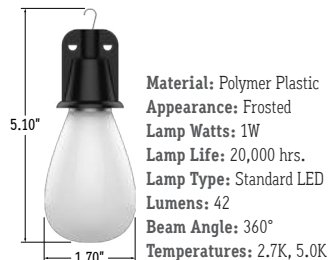
G Shape  
(GSF)

**Material:** Polymer Plastic  
**Appearance:** Frosted  
**Lamp Watts:** 1W  
**Lamp Life:** 20,000 hrs.  
**Lamp Type:** Standard LED  
**Lumens:** 42  
**Beam Angle:** 360°  
**Temperatures:** 2.7K, 5.0K



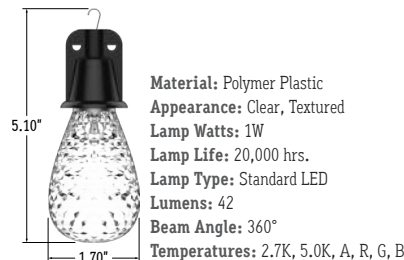
Filament G Shape  
(GSFL)

**Material:** Glass  
**Appearance:** Clear  
**Lamp Watts:** 3W  
**Lamp Life:** 25,000 hrs.  
**Lamp Type:** Filament LED  
**Lumens:** 256  
**Beam Angle:** 360°  
**Temperatures:** 2.4K, 2.7K, 3.0K, 5.0K



S Shape  
(SSF)

**Material:** Polymer Plastic  
**Appearance:** Frosted  
**Lamp Watts:** 1W  
**Lamp Life:** 20,000 hrs.  
**Lamp Type:** Standard LED  
**Lumens:** 42  
**Beam Angle:** 360°  
**Temperatures:** 2.7K, 5.0K



S Shape  
(SSC)

**Material:** Polymer Plastic  
**Appearance:** Clear, Textured  
**Lamp Watts:** 1W  
**Lamp Life:** 20,000 hrs.  
**Lamp Type:** Standard LED  
**Lumens:** 42  
**Beam Angle:** 360°  
**Temperatures:** 2.7K, 5.0K, A, R, G, B

## MOUNTING ACCESSORIES

(Sold Separately - Click on Image to View Cut Sheet, If Applicable)



Mounting Plate  
(ML2000-MP)



Cable Lock  
(ML2000-CL-1/8")



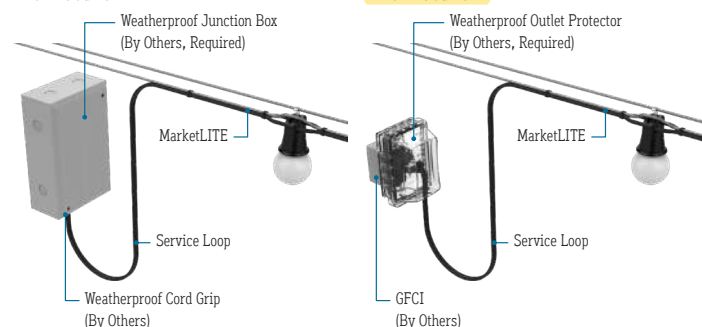
Mounting Aircraft Cable  
(ML2000-AC-1/8"-X)  
(X = Specify Length)

## INSTALLATION RECOMMENDATIONS

- Determine weight of marketLITE that will be used.
- Determine length of marketLITE and multiply by weight.
- An engineer must choose the proper aircraft cable to handle the tension, based on length and weight to prevent product from sagging.
- An engineer must determine the strength of the structure where the cable will attach, based on tension calculation from previous step.
- If installing on a pole, check with pole manufacturer to confirm the pole can handle the tension.
- marketLITE is hung to the above aircraft cable using the hooks. Secure hooks to aircraft cable by crimping or using stainless steel tie wraps.
- The supplied aircraft cable is designed to prevent strain on the wire. An additional aircraft cable is required to hang marketLITE.

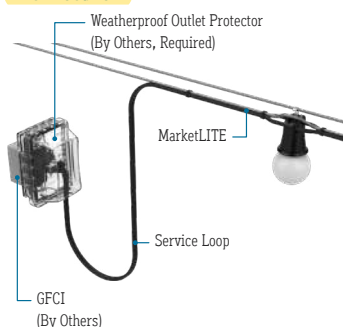
## HARDWARE INSTALLATION

(Wet Location)



## POWER PLUG

(Wet Location)



## WEIGHT PER FOOT

| SERIES      | SPACING | WEIGHT            |
|-------------|---------|-------------------|
| ML2000-CACA | 12" O/C | 0.62 lbs per foot |
|             | 18" O/C | 0.45 lbs per foot |
|             | 24" O/C | 0.37 lbs per foot |
|             | 36" O/C | 0.28 lbs per foot |
|             | 48" O/C | 0.24 lbs per foot |
|             | 60" O/C | 0.22 lbs per foot |

## DESIGN GUIDELINES

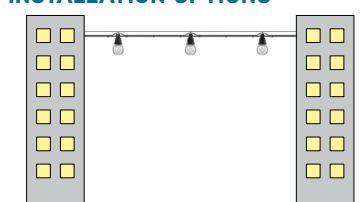
Straight Run



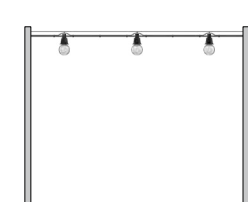
Swayed Run



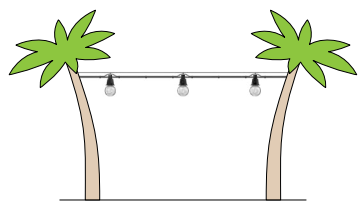
## INSTALLATION OPTIONS



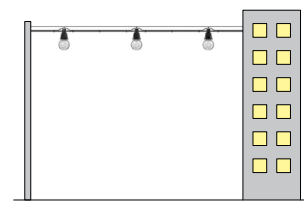
Building to Building



Pole to Pole



Tree to Tree



Building to Pole

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marketLITE™  
Manufactured in the U.S.A.



# EYE 80 • EYE 125 • EYE 200

## Recessed Version

designplan<sup>TM</sup>

datasheet

EYE is a ceiling lamp that comes in a recessed or surface-mounted version with 3 sizes each. It offers high luminous efficiency and perfect luminance control with 3 optics options: spot, flood and wide flood.

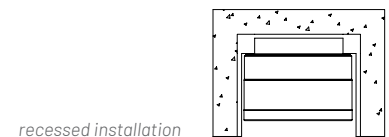


### TECHNICAL DATA

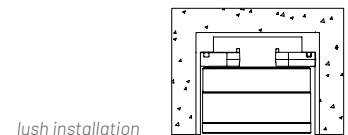
|                           |  |
|---------------------------|--|
| <b>Wattage</b>            | 5W, 12W, 20W   |
| <b>Power Supply</b>       | Remote 24VDC - See page 2 (EYE 80)<br>Remote 350mA (EYE 125), 500mA (EYE 200)                  |
| <b>Construction</b>       | Body: Die-Cast Aluminum<br>Lens: Extra Clear Glass Diffuser                                    |
| <b>CCT</b>                | 3000K (2700K, 4000K on request)  |
| <b>BUG Rating</b>         | B1-U0-G0 (EYE 80 40° & 60°)<br>B1-U1-G0 (EYE 125 40° & 60°)<br>B2-U1-G0 (EYE 200 40° & 60°)    |
| <b>CRI</b>                | >90  |
| <b>Delivered Lumens</b>   | 400 lm (EYE 80, 40°, 3000K)<br>950 lm (EYE 125, 40°, 3000K)<br>1400 lm (EYE 200, 40°, 3000K)   |
| <b>Efficacy</b>           | 80 lm/W (EYE 80, 40°, 3000K)<br>63 lm/W (EYE 125, 40°, 3000K)<br>58 lm/W (EYE 200, 40°, 3000K) |
| <b>Optics</b>             | 20°, 40°, 60°  |
| <b>Finishes</b>           | 4 Standard, See Below  |
| <b>Fixture Dimensions</b> | Ø3.22" x 1.97" (EYE 80)<br>Ø5.12" x 3.03" (EYE 125)<br>Ø8.46" x 4.84" (EYE 200)                |
| <b>Aperture</b>           | Ø3.15" (EYE 80)<br>Ø4.92" (EYE 125)<br>Ø7.87" (EYE 200)  |
| <b>Lumen Maintenance</b>  | L70 >50,000hrs (Ta 40°C)   |
| <b>Color Consistency</b>  | 3-Step MacAdam   |
| <b>IP Rating</b>          | IP65   |
| <b>Impact Resistance</b>  | IK08   |

Fixture Dimensions - see page 2

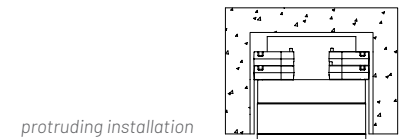
Installation Options (photos on page 3)



recessed installation



flush installation



protruding installation

### ORDERING INFORMATION

Example: LNEY60ISOHFB7ZU.US. Power Supplies / Accessories ordered separately.

|                |  |   |   |               |    |
|----------------|--|---|---|---------------|----|
| LNEY           |  |   |   | U             | US |
| <b>Model #</b> | <b>Size</b>  | <b>Optics</b>                                       | <b>Power</b>  | <b>Finish</b> |    |
| LNEY           | 50 ISO - EYE 80 (5W)<br>60 ISO - EYE 125 (12W)<br>80 ISO - EYE 200 (20W) | S - 20° Spot<br>F - 40° Flood<br>W - 60° Wide Flood | HB7Z - Remote Driver (EYE 80)<br>HB10 - Remote Driver (EYE 125/200) | U - White     | US |

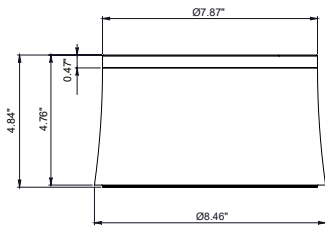
Job Name/Date:

Fixture Type Designation:

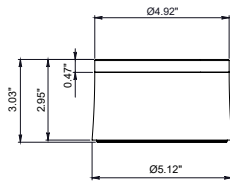
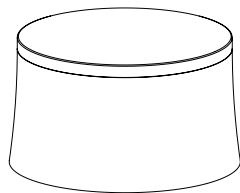
# EYE 80 • EYE 125 • EYE 200

## Recessed Version

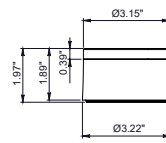
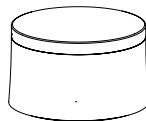
### FIXTURE DIMENSIONS



EYE 200



EYE 125



EYE80



Job Name/Date:

Fixture Type Designation:

## EYE 80 • EYE 125 • EYE 200

## Recessed Version

datasheet

## SUGGESTED POWER SUPPLIES

24VDC - EYE 80 (5W)

| Part Number               | Description   | Input/Output                        | # of Fixtures - 5W |
|---------------------------|---|-------------------------------------|--------------------|
| <a href="#">PPLT00149</a> | Non-Dim   | 120VAC to 24VDC, 10W, Class 2, IP65 | 1-1                |
| <a href="#">PPLT00632</a> | 0-10V Dimming (Dim to Off)                              | 120-277VAC to 24VDC, 12W, Class 2   | 1-1                |
| <a href="#">PPLT00155</a> | Non-Dim   | 120VAC to 24VDC, 30W, Class 2       | 1-4                |
| <a href="#">PPLT00599</a> | ELV / TRIAC & 0-10V Dimming (100 to 0%)                 | 120-277VAC to 24VDC, 96W, Class 2   | 1-15               |
| <a href="#">PPLT00158</a> | Non-Dim   | 120VAC to 24VDC, 100W, Class 2      | 1-16               |
| <a href="#">PPLT00543</a> | 0-10V Dimming to 15% (-40°C / -40°F cold weather start) | 120-277VAC to 24VDC, 100W, Class 2  | 2-16               |

## Suggested Lutron Compatible - EYE 80 (5W)

| Part Number               | Option         | Lutron SKU | Dim Range | Description   | Input/Output                      | # of Fixtures |
|---------------------------|----------------|------------|-----------|---|-----------------------------------|---------------|
| <a href="#">PPLT00500</a> | LTEA2W         | LTEA       | 100%-1%   | Hi-Lume™ 1% 2-Wire LED Driver (120V forward phase only) | 120VAC to 24VDC, 40W, Class 2     | 1-6           |
| <a href="#">PPLT00273</a> | L3DAE / L3DA3W | L3DA       | 100%-1%   | Hi-Lume™ 1% EcoSystem™ or 1% 3-Wire LED Driver          | 120-277VAC to 24VDC, 40W, Class 2 | 1-6           |

350mA - EYE 125 (12W)

| Part Number                 | Description  | Input/Output                       | # of Fixtures - 12W |
|-----------------------------|--|------------------------------------|---------------------|
| <a href="#">PPLT00468</a>   | Phase Dim (120V only)                              | 120VAC to 350mA, 14W, Class 2      | 1-1                 |
| <a href="#">PPLT00308-P</a> | 0-10V Dimming to 0.1%                              | 120-277VAC to 350mA, 30W, Class 2  | 1-1                 |
| <a href="#">PPLT00263</a>   | Leading / Trailing Edge Dimming to 10% (120V only) | 120-277VAC to 350mA, 32W, Class 2  | 1-1                 |
| <a href="#">PPLT00538-P</a> | 0-10V Dimming to 0.1% (4 channels)                 | 120-277VAC to 350mA, 100W, Class 2 | 11 (1-4)            |

## Suggested Lutron Compatible - EYE 125 (12W)

| Part Number               | Option         | Lutron SKU | Dim Range | Description   | Input/Output                      | # of Fixtures |
|---------------------------|----------------|------------|-----------|---|-----------------------------------|---------------|
| <a href="#">PPLT00271</a> | LTEA2W         | LTEA       | 100%-1%   | Hi-Lume™ 1% 2-Wire LED Driver (120V forward phase only) | 120VAC to 350mA, 13W, Class 2     | 1-1           |
| <a href="#">PPLT00516</a> | L3DAE / L3DA3W | L3DA       | 100%-1%   | Hi-Lume™ 1% EcoSystem™ or 1% 3-Wire LED Driver          | 120-277VAC to 350mA, 13W, Class 2 | 1-1           |

500mA - EYE 200 (20W)

| Part Number                 | Description  | Input/Output                            | # of Fixtures - 20W |
|-----------------------------|--|---|---------------------|
| <a href="#">PPLT00527</a>   | Phase Dim (120V only)                              | 120VAC to 500mA, 20W, Class 2, IP66     | 1-1                 |
| <a href="#">PPLT00308-P</a> | 0-10V Dimming to 0.1%                              | 120-277VAC to 500mA, 30W, Class 2, DAMP | 1-1                 |
| <a href="#">PPLT00262</a>   | Leading / Trailing Edge Dimming to 10% (120V only) | 120-277VAC to 500mA, 32W, Class 2       | 1-1                 |
| <a href="#">PPLT00538-P</a> | 0-10V Dimming to 0.1% (4 channels)                 | 120-277VAC to 500mA, 100W, Class 2      | 1-1 (1-4)           |

## Suggested Lutron Compatible - EYE 200 (20W)

| Part Number               | Option         | Lutron SKU | Dim Range | Description   | Input/Output                      | # of Fixtures |
|---------------------------|----------------|------------|-----------|---|-----------------------------------|---------------|
| <a href="#">PPLT00258</a> | LTEA2W         | LTEA       | 100%-1%   | Hi-Lume™ 1% 2-Wire LED Driver (120V forward phase only) | 120VAC to 500mA, 19W, Class 2     | 1-1           |
| <a href="#">PPLT00195</a> | L3DAE / L3DA3W | L3DA       | 100%-1%   | Hi-Lume™ 1% EcoSystem™ or 1% 3-Wire LED Driver          | 120-277VAC to 500mA, 19W, Class 2 | 1-1           |

For other power supply options consult factory.

Job Name/Date:

Fixture Type Designation:

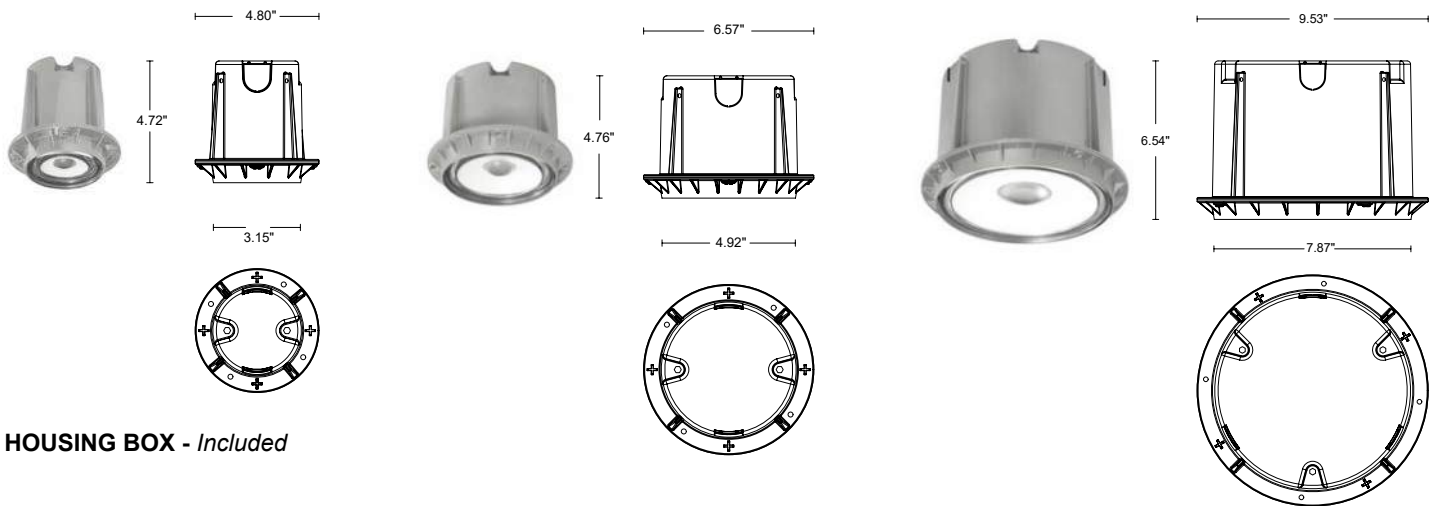
# EYE 80 • EYE 125 • EYE 200

## Recessed Version

### INSTALLATION TYPES



### ACCESSORIES - Installation (included)



### HOUSING BOX - Included

### ACCESSORIES - Optional

**00KEY50**  
Leveling Kit

**010829600000**  
Plastering Rim

**0303003**  
Suction Cup  
to screw the glass

Job Name/Date:

Fixture Type Designation:

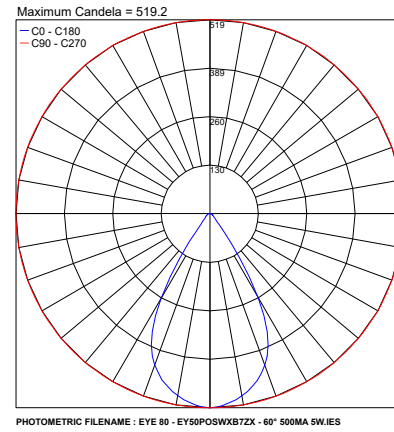
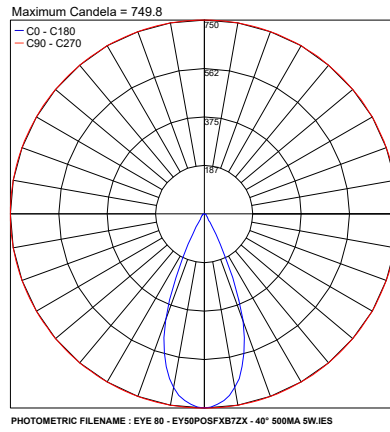
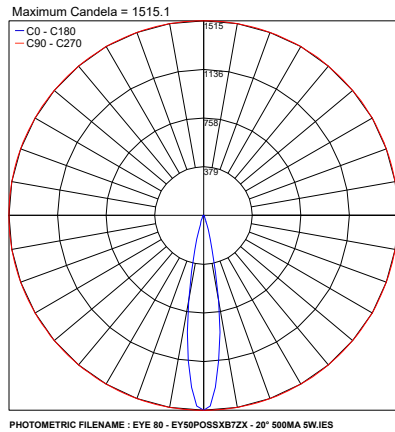
# EYE 80 • EYE 125 • EYE 200

## Recessed Version

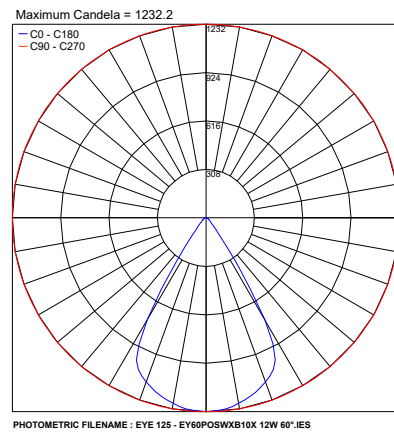
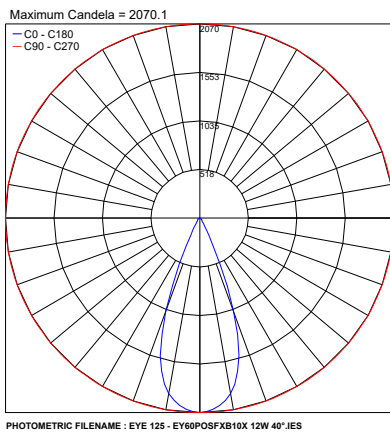
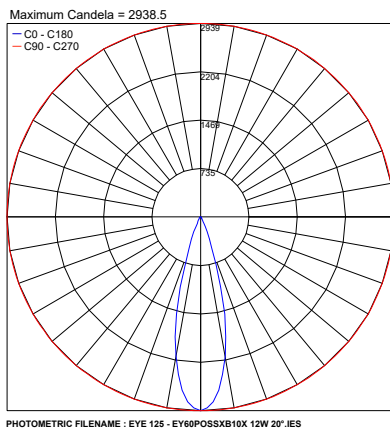
### PHOTOMETRIC DATA

Note: All photometric data is 3000K

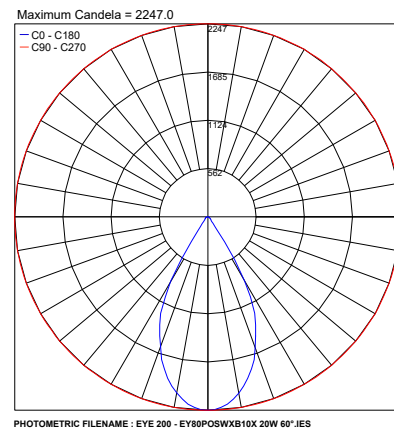
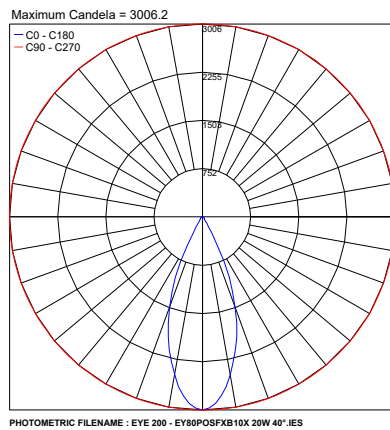
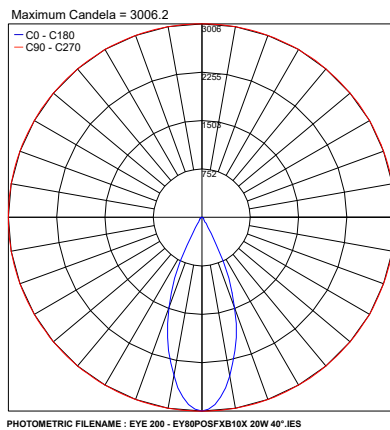
#### EYE 80



#### EYE 125



#### EYE 200



Job Name/Date:

Fixture Type Designation:

# CHANNEL NEON 0.5" FLAT LENS

24VDC, OUTDOOR | 5W | STATIC WHITE, WARM DIM & TUNABLE WHITE

ASSEMBLED IN AMERICA

REV 12.02.21



## DESCRIPTION

Channel Neon is our Flex Neon fixture shipped within a channel for ease of installation. Channel Neon comes with a 0.5" wide Flat lens, offering superior color rendering while creating uniform illumination without visible diodes. May be surface or flush mounted. Choose from multiple color temperatures, including two Warm Dim options of 2400K (**24D**) or 2700K (**27D**) and Dynamic Tunable White (**2K6K** or **27K6**). Tunable White 2000K-6500K (**2K6K**) or 2700K-6500K (**27K6**) grants independent control and adjustment of color temperature and intensity from 2000K (Sunset) through 6500K (Day Light White). **2K6K** is ideal for residential spaces including, dining rooms, bedrooms, living spaces, and bathrooms by allowing the user to achieve a warm glow during the golden hours of the early mornings and evenings. For commercial environments, **27K6** promotes focus and alertness which is ideal for offices, healthcare and education, while still achieving warmer color temperatures best for hospitality and retail environments. Use with two dimmers or, our proprietary Tunable White Controller (**CDMX-1**) for fast and accurate adjustment with three pre-set scenes (Ordered separately). The (**W**) is an IP67 rated wet location fixture featuring watertight barrel connections. Patent pending.

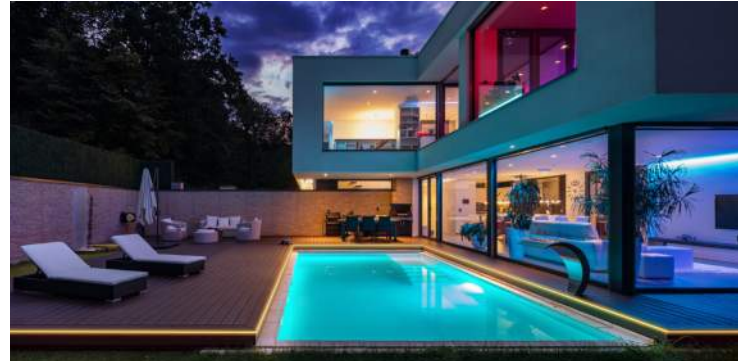
## SPECIFICATIONS

|                       |  |
|-----------------------|--|
| INPUT                 | 24VDC with 5" leads  |
| POWER SUPPLIES        | Remote 24VDC power supply required   |
| POWER CONSUMPTION     | 5 watts per foot   |
| INCREMENTS            | 2.4" or 3"   |
| MAX LENGTH            | 5W - 10'   |
| MATERIAL              | UV Resistant PVC   |
| OPERATING TEMPERATURE | -4° F (-20° C) to 122° F (+50° C)  |
| AVERAGE LED LIFE      | 50,000 hrs   |
| WARRANTY              | 5 Year pro-rated   |
| COMPLIANCE            | Class 2 Wiring Indoor Applications, Outdoor Wet Location with Water Tight Barrel Connectors IP67 Rated, ETL listed |

## LUMEN PERFORMANCE AT 2700K 5W PER FOOT

(SEE COMPLETE CHART PG 2)

|              |           |                |            |
|--------------|-----------|----------------|------------|
| LUMEN OUTPUT | 212 lm/ft | EFFICIENCY     | 46 lm/watt |
| CRI          | 92        | R9             | 76         |
| Rf           | 89.5      | Rg             | 98.3       |
| BEAM ANGLE   | 120°      | BEAM TOLERANCE | +/- 30CCT  |



## REMOTE POWER SUPPLIES\*, DIMMERS & CONTROLS (SOLD SEPARATELY)

### STATIC WHITE & WARM DIM

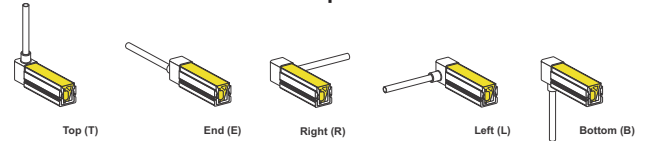
- **UNI Driver:** [Universal Dimming \(TRIAC, ELV, 0-10V\)](#)

### TUNABLE WHITE

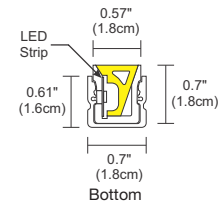
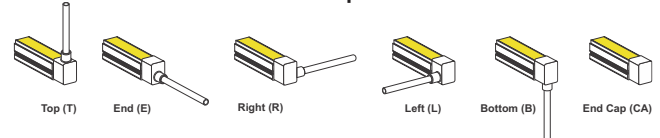
- **0-10V:** Requires two dimmers, one for intensity and one for color temperature
- **DMX Dynamic Color Changing:** Must be used with PureEdge [Controllers](#)

\*In-Wall Mounting Kits available for select power supplies

## Wet Location Input Wire Leads



## Wet Location Output Wire Leads



| System                                    | Viewing Angle<br>Model Shape                             | Wattage             | Length in Inches  | Color Temperature   | 5" Input Wire Feed  | 5" Output Wire  | Environment                                       |
|---|--|---------------------|-------------------|---|---|---|---|
| <b>CN</b>                                 | <b>F5</b>  | <b>5W</b>           | <b>120</b>        | <b>27K</b>  | <b>E</b>  | <b>L</b>  | <b>W</b>  |
| CN Channel Neon 24V                       | F5 Flat Lens 0.5" wide with channel 0.7" wide, 0.7" high | 5W 5 watts per foot | 6"-120" (10' max) | <b>22K</b> 2200K Amber White<br><b>24K</b> 2400K Very Warm White<br><b>24D</b> 2400K Warm Dim, Dims to 1800K<br><b>27K</b> 2700K Incandescent White<br><b>27D</b> 2700K Warm Dim, Dims to 2000K<br><b>30K</b> 3000K Warm White<br><b>35K</b> 3500K Neutral White<br><b>40K</b> 4000K Cool White<br><b>2K6K</b> Tunable White 2000K-6500K<br><b>27K6</b> Tunable White 2700K-6500K | <b>T</b> Top Power Input Wire<br><b>E</b> End Power Input Wire<br><b>L</b> Left Power Input Wire<br><b>R</b> Right Power Input Wire<br><b>B</b> Bottom Power Input Wire | <b>T</b> Top Wire Lead Out<br><b>E</b> End Wire Lead Out<br><b>L</b> Left Wire Lead Out<br><b>R</b> Right Wire Lead Out<br><b>B</b> Bottom Wire Lead Out<br><b>CA</b> Cap at end, no feed through | Outdoor wet location Barrel Connector cable leads |
| 2.4" Increments<br>Warm Dim 3" increments |  |                     |                   | Custom wire leads available up to 94"   |   |   |   |

|         |              |      |
|---------|--------------|------|
| PROJECT | FIXTURE TYPE | DATE |
|---------|--------------|------|

# CHANNEL NEON 0.5" FLAT LENS

24VDC, OUTDOOR | 5W | STATIC WHITE, WARM DIM & TUNABLE WHITE

REV 12.02.21

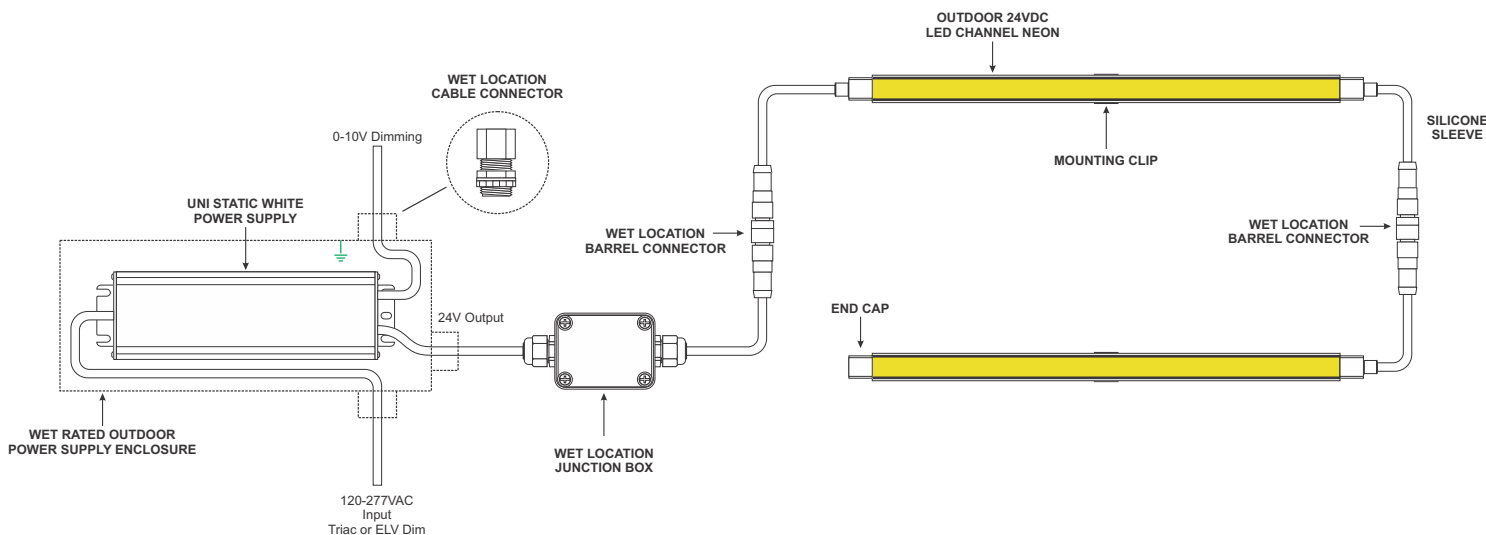
**NOMINAL LAMP DATA** The average LED Life is 50,000 hours.

|                         | CN-F5 |     |      |     |      |     |     |
|-------------------------|-------|-----|------|-----|------|-----|-----|
| WATTS PER FOOT          | 5w    |     |      |     |      |     |     |
| COLOR TEMPERATURE       | 22K   | 24K | 24D* | 27K | 27D* | 30K | 35K |
| LUMENS PER FOOT (lm/ft) | 174   | 184 | 271  | 212 | 271  | 232 | 265 |
| LUMENS PER WATT (lm/w)  | 38    | 42  | 56   | 46  | 56   | 50  | 58  |
| CRI                     | 92    | 92  | 93   | 92  | 93   | 84  | 85  |

|                         | TUNABLE WHITE 2K6K |     |     |     |     |     |     |     |     |  | TUNABLE WHITE 27K6* |     |     |     |     |     |     |
|-------------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|--|---------------------|-----|-----|-----|-----|-----|-----|
| WATTS PER FOOT          | 5w                 |     |     |     |     |     |     |     |     |  | 5w                  |     |     |     |     |     |     |
| COLOR TEMPERATURE       | 18K                | 20K | 24K | 27K | 30K | 35K | 40K | 54K | 63K |  | 24K                 | 27K | 30K | 35K | 40K | 54K | 63K |
| LUMENS PER FOOT (lm/ft) | 170                | 157 | 175 | 191 | 213 | 238 | 188 | 177 | 180 |  | 164                 | 168 | 174 | 181 | 188 | 177 | 180 |
| LUMENS PER WATT (lm/w)  | 37                 | 34  | 38  | 42  | 46  | 52  | 44  | 44  | 45  |  | 41                  | 42  | 43  | 44  | 44  | 44  | 45  |
| CRI                     | 92                 | 92  | 92  | 93  | 92  | 92  | 84  | 84  | 85  |  | 92                  | 93  | 92  | 92  | 84  | 84  | 85  |

\*Warm Dim & Tunable White has a variance in color temperature due to the curvature of the material.

## Drawings: Dimensions for the Channel Neon



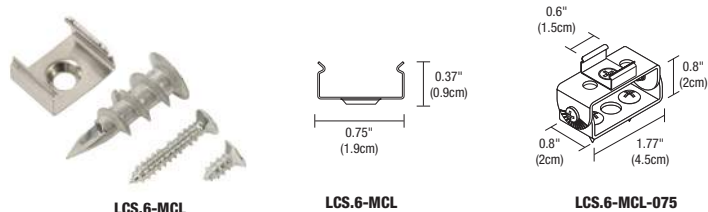
|         |  |              |  |      |  |
|---------|--|--------------|--|------|--|
| PROJECT |  | FIXTURE TYPE |  | DATE |  |
|---------|--|--------------|--|------|--|

# CHANNEL NEON 0.5" FLAT LENS

24VDC, OUTDOOR | 5W | STATIC WHITE, WARM DIM & TUNABLE WHITE

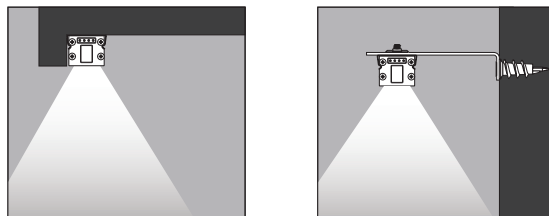
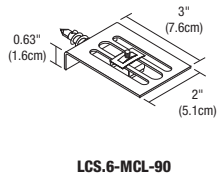
REV 12.02.21

**Accessories:** Indoor Light Channel .6 Surface Mount, order based on lighting design or as replacement parts

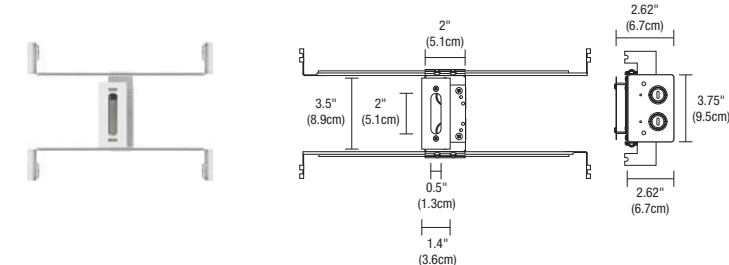


## MOUNTING CLIPS

LC-MCL mounting clips are provided with every two feet of Light Channel and may be ordered separately as replacement parts. The LC-MCL-075 rotates Light Channel up to 75°. LC-MCL-90 mounts Light Channel at a 90° angle.



| System  | Product                  | Type  |
|---|--------------------------|---|
| <b>LCS.6</b>                                  | <b>MCL</b>               | Standard (Leave Blank)                            |
| <b>LCS.6</b> Light Channel 0.6" Surface Mount | <b>MCL</b> Mounting Clip | <b>075</b> Adjusts 0-75°<br><b>90</b> Adjusts 90° |



## 1" RECTANGLE CANOPY & J-BOX

The Slim-Profile Junction Box with Hanger Bars mounts to studs spaced between 14.5" and 25" apart behind drywall. Allows low voltage DC wires from Remote Power Supply to connect to channel wires. The Junction Box opening is covered by the fixture for a clean, safe connection. Includes a Goof Plate, for poor plastering around J-box.

| Channel  | Canopy                  | Product                  |
|----------|-------------------------|--------------------------|
| <b>C</b> | <b>1RE</b>              | <b>JBOX</b>              |
|          | <b>1RE</b> 1" Rectangle | <b>JBOX</b> Junction Box |

## TIE STRAP

Use for mounting to poles for extra support, every 6"-12" (30 per package).



| Product                 | Type                |
|-------------------------|---------------------|
| <b>SS</b>               | <b>ST</b>           |
| <b>SS</b> LED Flex Neon | <b>ST</b> Tie Strap |

## DIRECT BURIAL LOCATION CABLE ORDER PER FOOT

Our Direct Burial, 2 Conductor Plus ground, 12 Gauge Cable is a durable and adaptable cable suitable for transmitting power, control, and switching in outdoor wet and in ground environments. Keep within 60 ft between fixture and power supply. Cable sold by the foot, simply specify the length needed by the foot.



| Product                 | Gauge               | Cable                 |
|-------------------------|---------------------|-----------------------|
| <b>DB</b>               | <b>12G</b>          | <b>2C</b>             |
| <b>DB</b> Direct Burial | <b>12G</b> 12 Gauge | <b>2C</b> 2 Conductor |

## WET AND DAMP LOCATION CABLE ORDER PER FOOT

Our Wet Location, 5 Conductor, 14 Gauge Cable is a durable and adaptable cable suitable for transmitting power, control, and switching in indoor and outdoor wet and damp environments. Cable sold by the foot, simply specify the length. Keep within 50 ft between fixture and power supply.



| Product                 | Gauge               | Cable                 |
|-------------------------|---------------------|-----------------------|
| <b>OC</b>               | <b>14G</b>          | <b>5C</b>             |
| <b>OC</b> Outdoor Cable | <b>14G</b> 14 Gauge | <b>5C</b> 5 Conductor |

|         |  |              |  |      |  |
|---------|--|--------------|--|------|--|
| PROJECT |  | FIXTURE TYPE |  | DATE |  |
|---------|--|--------------|--|------|--|

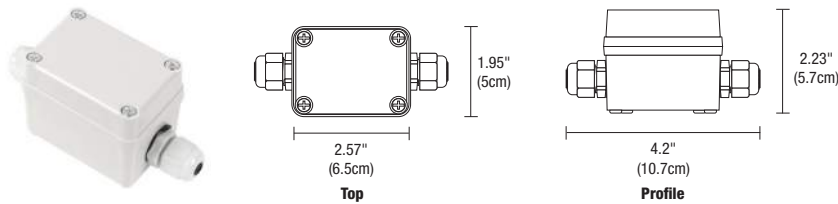
# CHANNEL NEON 0.5" FLAT LENS

24VDC, OUTDOOR | 5W | STATIC WHITE, WARM DIM & TUNABLE WHITE

REV 12.02.21

## WET LOCATION JUNCTION BOX

Wet-rated low voltage Splice Box with connectors.



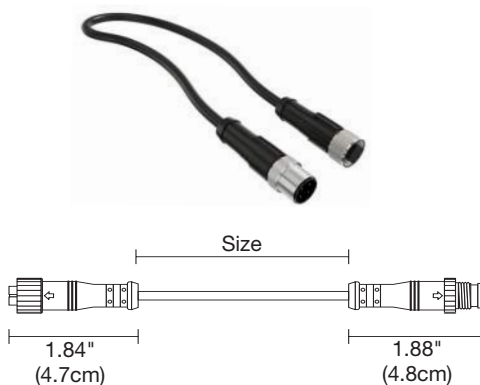
| Product          | Type              | Option         |
|------------------|-------------------|----------------|
| <b>2RE</b>       | <b>JBOX</b>       | <b>W</b>       |
| 2RE 2" Rectangle | JBOX Junction Box | W Wet Location |



## WET LOCATION JUNCTION BOX WITH 6" POWER CABLE

This watertight, multi-fixture Junction Box is especially designed for lighting in wet and damp locations. It is versatile, rugged and simple to install. The Junction Box comes standard with a 6" Flexible Cable providing easy, safe, and reliable connections for 24V low voltage luminaires. This box is approved for indoor and outdoor usage and complies with all the requirements of UL1241 and the National Electric Code.

| Product                     | Canopy           | Product           | Size                        | Option         |
|-----------------------------|------------------|-------------------|-----------------------------|----------------|
| <b>SS</b>                   | <b>2RE</b>       | <b>JBOX</b>       | <b>6IN</b>                  | <b>W</b>       |
| SS LED Soft Strip Flex Neon | 2RE 2" Rectangle | JBOX Junction Box | 6IN 6" Four Wire Connection | W Wet Location |



## POWER CABLE CONNECTOR WET LOCATION

The flexible power cable connector is designed to work in outdoor environments for safe and reliable connections. This Flexible Connector is easy to install and configure, helping you create innovative lighting designs in an outdoor commercial or residential space.

| Product                     | Type                          | Size                 | Option         |
|-----------------------------|-------------------------------|----------------------|----------------|
| <b>SS</b>                   | <b>CFX</b>                    | <b>12IN</b>          | <b>W</b>       |
| SS Soft Strip and Flex Neon | CFX Flexible 4 Wire Connector | 12IN 12"<br>96IN 96" | W Wet Location |

## WET LOCATION T-CONNECTOR

Our Wet Location T-Connector is a robust rugged design especially suited to withstand the challenges of damp and wet environments. This unique T-Connector has one Male and two Female Connectors and is suitable for multiple indoor and outdoor uses. Versatile design is easy to use, making installation quick and efficient.



| Product                     | Type                  | Option         |
|-----------------------------|-----------------------|----------------|
| <b>SS</b>                   | <b>TC</b>             | <b>W</b>       |
| SS Soft Strip and Flex Neon | TC T-Connector 4 Wire | W Wet Location |

|         |  |              |  |      |  |
|---------|--|--------------|--|------|--|
| PROJECT |  | FIXTURE TYPE |  | DATE |  |
|---------|--|--------------|--|------|--|

# TM30 DATA

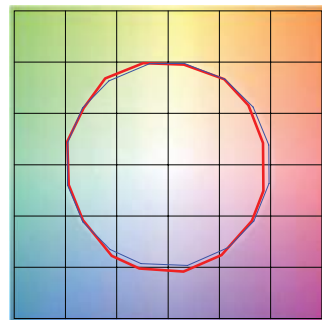
24VDC, OUTDOOR | 5W | STATIC WHITE, WARM DIM & DYNAMIC/TUNABLE WHITE

REV 12.02.21

**TM-30-15 DATA:** The data below is for ST2A, ST5A, ST7A and ST10A bare LED Soft Strips. Consistent color temperatures throughout a single strip and among multiple strips is possible through a 3 phase binning process in which each order is inspected with a color meter to ensure uniformity.

**2200K** | Rf: 90.5 | Rg: 99.9

Color Vector Graphic

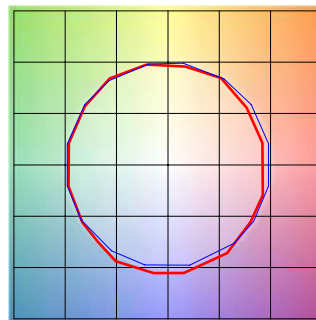


■ Test ■ Reference

| GRAPHIC SHIFTS % |      |        |        |
|------------------|------|--------|--------|
| HUE BIN          | Rf   | CHROMA | HUE    |
| 1                | 88.3 | -5.2%  | 1.0%   |
| 2                | 90.1 | -3.6%  | 3.7%   |
| 3                | 87.5 | -0.5%  | 5.6%   |
| 4                | 93.9 | -1.2%  | 1.3%   |
| 5                | 94.7 | 0.7%   | 2.1%   |
| 6                | 93.7 | 2.6%   | 0.7%   |
| 7                | 93.5 | -1.5%  | -2.2%  |
| 8                | 97.8 | -0.4%  | -0.2%  |
| 9                | 93.7 | -1.5%  | 2.4%   |
| 10               | 90.8 | -0.8%  | 4.9%   |
| 11               | 89.3 | 3.7%   | 5.4%   |
| 12               | 90.2 | 4.6%   | 1.0%   |
| 13               | 89.0 | 4.4%   | -9.7%  |
| 14               | 75.4 | 0.6%   | -15.1% |
| 15               | 90.7 | -1.7%  | -5.0%  |
| 16               | 84.2 | -4.4%  | -9.1%  |

**2400K** | Rf: 90.2 | Rg: 99.3

Color Vector Graphic

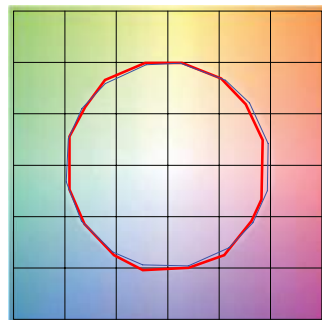


■ Test ■ Reference

| GRAPHIC SHIFTS % |      |        |        |
|------------------|------|--------|--------|
| HUE BIN          | Rf   | CHROMA | HUE    |
| 1                | 89.0 | -4.8%  | 1.1%   |
| 2                | 90.4 | -3.7%  | 3.2%   |
| 3                | 88.1 | -0.7%  | 5.2%   |
| 4                | 93.0 | -2.1%  | 0.9%   |
| 5                | 94.5 | -0.1%  | 2.0%   |
| 6                | 94.7 | 1.7%   | 0.6%   |
| 7                | 93.7 | -1.9%  | -1.5%  |
| 8                | 96.8 | -1.2%  | 0.2%   |
| 9                | 91.9 | -1.8%  | 3.7%   |
| 10               | 88.8 | -0.9%  | 6.1%   |
| 11               | 87.5 | 3.8%   | 7.1%   |
| 12               | 89.6 | 4.3%   | 0.3%   |
| 13               | 88.1 | 4.2%   | -9.1%  |
| 14               | 82.5 | 2.8%   | -10.6% |
| 15               | 91.4 | -2.1%  | -4.2%  |
| 16               | 84.0 | -3.6%  | -9.9%  |

**2700K** | Rf: 89.5 | Rg: 98.3

Color Vector Graphic

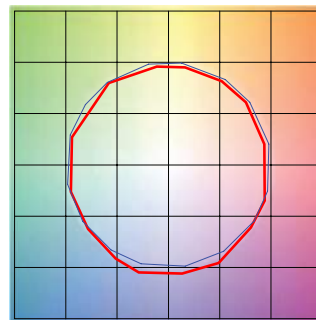


■ Test ■ Reference

| GRAPHIC SHIFTS % |      |        |        |
|------------------|------|--------|--------|
| HUE BIN          | Rf   | CHROMA | HUE    |
| 1                | 88.6 | -5.2%  | 0.9%   |
| 2                | 90.3 | -3.6%  | 2.9%   |
| 3                | 88.4 | -1.5%  | 5.0%   |
| 4                | 91.9 | -2.5%  | 1.4%   |
| 5                | 93.5 | -0.9%  | 2.3%   |
| 6                | 95.7 | 0.9%   | -0.4%  |
| 7                | 91.1 | -3.7%  | -0.5%  |
| 8                | 95.8 | -2.0%  | 0.4%   |
| 9                | 90.5 | -2.6%  | 4.5%   |
| 10               | 84.9 | -1.1%  | 8.7%   |
| 11               | 85.0 | 2.3%   | 9.8%   |
| 12               | 88.1 | 5.5%   | 1.5%   |
| 13               | 90.9 | 2.9%   | -5.2%  |
| 14               | 86.2 | 4.3%   | -8.9%  |
| 15               | 90.7 | -2.4%  | -3.6%  |
| 16               | 83.0 | -2.7%  | -11.3% |

**3000K** | Rf: 88.7 | Rg: 98.2

Color Vector Graphic

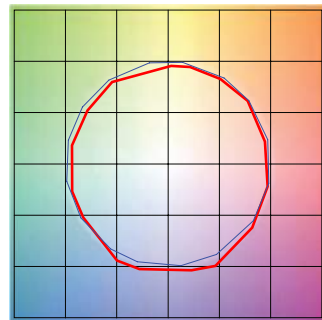


■ Test ■ Reference

| GRAPHIC SHIFTS % |      |        |        |
|------------------|------|--------|--------|
| HUE BIN          | Rf   | CHROMA | HUE    |
| 1                | 88.3 | -5.2%  | 0.8%   |
| 2                | 90.2 | -3.7%  | 2.7%   |
| 3                | 88.3 | -1.6%  | 4.9%   |
| 4                | 92.2 | -2.0%  | 1.8%   |
| 5                | 91.0 | -3.5%  | 1.8%   |
| 6                | 95.8 | 0.4%   | -0.4%  |
| 7                | 90.2 | -4.4%  | -0.0%  |
| 8                | 94.8 | -2.6%  | 0.8%   |
| 9                | 89.2 | -2.9%  | 6.0%   |
| 10               | 81.4 | -1.5%  | 9.7%   |
| 11               | 82.9 | 2.3%   | 10.5%  |
| 12               | 88.3 | 6.7%   | 1.9%   |
| 13               | 91.9 | 2.8%   | -4.0%  |
| 14               | 86.3 | 4.9%   | -8.3%  |
| 15               | 87.1 | -1.2%  | -6.1%  |
| 16               | 83.2 | -1.7%  | -11.6% |

**3500K** | Rf: 88.1 | Rg: 97.1

Color Vector Graphic

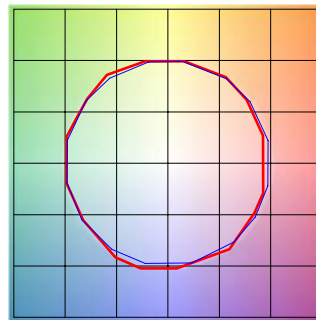


■ Test ■ Reference

| GRAPHIC SHIFTS % |      |        |       |
|------------------|------|--------|-------|
| HUE BIN          | Rf   | CHROMA | HUE   |
| 1                | 87.8 | -5.2%  | 1.0%  |
| 2                | 90.8 | -3.3%  | 2.3%  |
| 3                | 89.8 | -1.6%  | 3.9%  |
| 4                | 91.0 | -2.7%  | 0.9%  |
| 5                | 90.0 | -5.4%  | 0.7%  |
| 6                | 95.6 | -0.9%  | -0.4% |
| 7                | 90.0 | -5.3%  | 1.4%  |
| 8                | 91.8 | -3.6%  | 3.0%  |
| 9                | 87.1 | -2.9%  | 7.3%  |
| 10               | 80.1 | -1.3%  | 12.2% |
| 11               | 81.8 | 4.1%   | 10.5% |
| 12               | 88.2 | 5.1%   | 2.3%  |
| 13               | 92.4 | 2.1%   | -3.8% |
| 14               | 86.6 | 5.0%   | -7.9% |
| 15               | 86.2 | -0.7%  | -6.8% |
| 16               | 84.5 | -2.1%  | -7.0% |

**2700D** | Rf: 90.7 | Rg: 101.1

Color Vector Graphic



■ Test ■ Reference

| GRAPHIC SHIFTS % |      |        |        |
|------------------|------|--------|--------|
| HUE BIN          | Rf   | CHROMA | HUE    |
| 1                | 90.9 | -4.1%  | 1.1%   |
| 2                | 91.8 | -2.2%  | 3.2%   |
| 3                | 89.0 | 0.2%   | 5.0%   |
| 4                | 92.9 | -1.1%  | 0.8%   |
| 5                | 93.9 | 1.1%   | 1.7%   |
| 6                | 93.3 | 3.3%   | 0.0%   |
| 7                | 93.1 | -0.5%  | -1.9%  |
| 8                | 97.2 | -0.3%  | -0.9%  |
| 9                | 93.4 | -1.0%  | 3.2%   |
| 10               | 89.9 | -0.1%  | 5.6%   |
| 11               | 87.0 | 4.7%   | 7.2%   |
| 12               | 89.2 | 5.8%   | -0.2%  |
| 13               | 89.1 | 3.5%   | -6.7%  |
| 14               | 86.3 | 4.1%   | -9.2%  |
| 15               | 91.4 | -2.0%  | -3.6%  |
| 16               | 84.7 | -2.1%  | -10.3% |

|         |  |              |  |      |  |
|---------|--|--------------|--|------|--|
| PROJECT |  | FIXTURE TYPE |  | DATE |  |
|---------|--|--------------|--|------|--|

# TM30 DATA

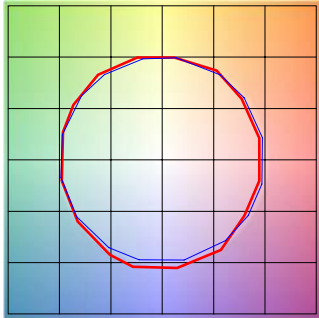
24VDC, OUTDOOR | 5W | STATIC WHITE, WARM DIM & DYNAMIC/TUNABLE WHITE



REV 12.02.21

**TM-30-15 DATA:** The data below is for ST2A, ST5A, ST7A and ST10A bare LED Soft Strips. Consistent color temperatures throughout a single strip and among multiple strips is possible through a 3 phase binning process in which each order is inspected with a color meter to ensure uniformity.

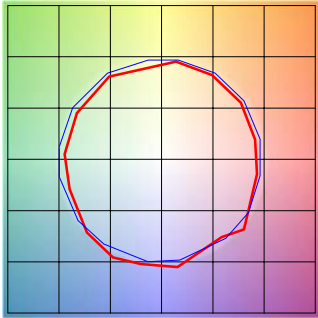
**3000D** | Rf: 90.6 | Rg: 101.1  
Color Vector Graphic



■ Test ■ Reference

|         |      | GRAPHIC SHIFTS % |        |
|---------|------|------------------|--------|
| HUE BIN | Rf   | CHROMA           | HUE    |
| 1       | 91.5 | -3.5%            | 1.3%   |
| 2       | 92.2 | -1.8%            | 3.0%   |
| 3       | 89.3 | 0.5%             | 4.8%   |
| 4       | 92.7 | -1.1%            | 0.6%   |
| 5       | 93.3 | 0.5%             | 1.4%   |
| 6       | 93.8 | 2.7%             | -0.8%  |
| 7       | 91.2 | -2.1%            | -0.2%  |
| 8       | 97.0 | -0.5%            | -0.7%  |
| 9       | 92.5 | -0.7%            | 3.8%   |
| 10      | 88.3 | 0.9%             | 7.1%   |
| 11      | 87.5 | 3.9%             | 7.6%   |
| 12      | 88.2 | 6.2%             | -0.2%  |
| 13      | 89.9 | 3.4%             | -6.0%  |
| 14      | 86.9 | 4.4%             | -8.5%  |
| 15      | 91.9 | -1.9%            | -2.9%  |
| 16      | 84.7 | -1.3%            | -10.6% |

**6500K ONLY (27K6)** | Rf: 86.8 | Rg: 96.8  
Color Vector Graphic



■ Test ■ Reference

|         |      | GRAPHIC SHIFTS % |        |
|---------|------|------------------|--------|
| HUE BIN | Rf   | CHROMA           | HUE    |
| 1       | 86.5 | -4.7%            | 0.8%   |
| 2       | 91.9 | -2.5%            | 3.1%   |
| 3       | 91.2 | -2.0%            | 1.9%   |
| 4       | 91.2 | -1.6%            | 1.4%   |
| 5       | 85.7 | -6.2%            | -0.9%  |
| 6       | 92.9 | -3.5%            | -1.0%  |
| 7       | 92.1 | -4.7%            | 0.7%   |
| 8       | 85.2 | -5.8%            | 4.9%   |
| 9       | 82.8 | -6.2%            | 14.3%  |
| 10      | 77.1 | -0.7%            | 15%    |
| 11      | 72.1 | 5.8%             | 14.1%  |
| 12      | 91.6 | 4.0%             | 1.0%   |
| 13      | 89.9 | 5.6%             | -2.3%  |
| 14      | 90.5 | -1.8%            | -3.7%  |
| 15      | 81.6 | 6.5%             | -13.9% |
| 16      | 92.8 | -3.6%            | -0.4%  |

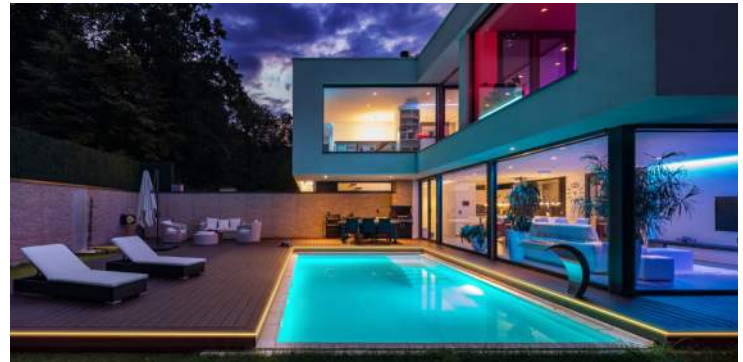
|         |  |              |  |      |  |
|---------|--|--------------|--|------|--|
| PROJECT |  | FIXTURE TYPE |  | DATE |  |
|---------|--|--------------|--|------|--|

# CHANNEL NEON 0.5" FLAT LENS

24VDC, OUTDOOR | 5W | STATIC WHITE, WARM DIM & TUNABLE WHITE

ASSEMBLED IN AMERICA

REV 12.02.21



## DESCRIPTION

Channel Neon is our Flex Neon fixture shipped within a channel for ease of installation. Channel Neon comes with a 0.5" wide Flat lens, offering superior color rendering while creating uniform illumination without visible diodes. May be surface or flush mounted. Choose from multiple color temperatures, including two Warm Dim options of 2400K (**24D**) or 2700K (**27D**) and Dynamic Tunable White (**2K6K** or **27K6**). Tunable White 2000K-6500K (**2K6K**) or 2700K-6500K (**27K6**) grants independent control and adjustment of color temperature and intensity from 2000K (Sunset) through 6500K (Day Light White). **2K6K** is ideal for residential spaces including, dining rooms, bedrooms, living spaces, and bathrooms by allowing the user to achieve a warm glow during the golden hours of the early mornings and evenings. For commercial environments, **27K6** promotes focus and alertness which is ideal for offices, healthcare and education, while still achieving warmer color temperatures best for hospitality and retail environments. Use with two dimmers or, our proprietary Tunable White Controller (**CDMX-1**) for fast and accurate adjustment with three pre-set scenes (Ordered separately). The (**W**) is an IP67 rated wet location fixture featuring watertight barrel connections. Patent pending.

## SPECIFICATIONS

|                       |  |
|-----------------------|--|
| INPUT                 | 24VDC with 5" leads  |
| POWER SUPPLIES        | Remote 24VDC power supply required   |
| POWER CONSUMPTION     | 5 watts per foot   |
| INCREMENTS            | 2.4" or 3"   |
| MAX LENGTH            | 5W - 10'   |
| MATERIAL              | UV Resistant PVC   |
| OPERATING TEMPERATURE | -4° F (-20° C) to 122° F (+50° C)  |
| AVERAGE LED LIFE      | 50,000 hrs   |
| WARRANTY              | 5 Year pro-rated   |
| COMPLIANCE            | Class 2 Wiring Indoor Applications, Outdoor Wet Location with Water Tight Barrel Connectors IP67 Rated, ETL listed |

## LUMEN PERFORMANCE AT 2700K 5W PER FOOT

(SEE COMPLETE CHART PG 2)

|              |           |                |            |
|--------------|-----------|----------------|------------|
| LUMEN OUTPUT | 212 lm/ft | EFFICIENCY     | 46 lm/watt |
| CRI          | 92        | R9             | 76         |
| Rf           | 89.5      | Rg             | 98.3       |
| BEAM ANGLE   | 120°      | BEAM TOLERANCE | +/- 30CCT  |

## REMOTE POWER SUPPLIES\*, DIMMERS & CONTROLS (SOLD SEPARATELY)

### STATIC WHITE & WARM DIM

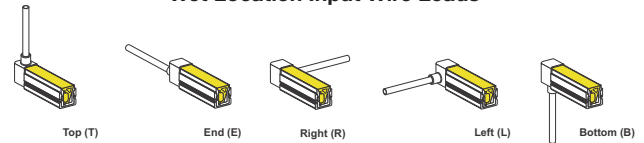
- **UNI Driver:** [Universal Dimming \(TRIAC, ELV, 0-10V\)](#)

### TUNABLE WHITE

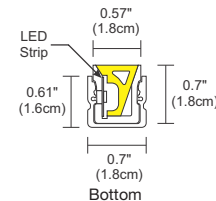
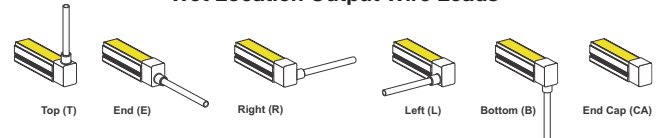
- **0-10V:** Requires two dimmers, one for intensity and one for color temperature
- **DMX Dynamic Color Changing:** Must be used with PureEdge [Controllers](#)

\*In-Wall Mounting Kits available for select power supplies

## Wet Location Input Wire Leads



## Wet Location Output Wire Leads



| System                                    | Viewing Angle<br>Model Shape                             | Wattage             | Length in Inches  | Color Temperature   | 5" Input Wire Feed  | 5" Output Wire  | Environment                                       |
|---|--|---------------------|-------------------|---|---|---|---|
| <b>CN</b>                                 | <b>F5</b>  | <b>5W</b>           | <b>120</b>        | <b>27K</b>  | <b>E</b>  | <b>L</b>  | <b>W</b>  |
| CN Channel Neon 24V                       | F5 Flat Lens 0.5" wide with channel 0.7" wide, 0.7" high | 5W 5 watts per foot | 6"-120" (10' max) | <b>22K</b> 2200K Amber White<br><b>24K</b> 2400K Very Warm White<br><b>24D</b> 2400K Warm Dim, Dims to 1800K<br><b>27K</b> 2700K Incandescent White<br><b>27D</b> 2700K Warm Dim, Dims to 2000K<br><b>30K</b> 3000K Warm White<br><b>35K</b> 3500K Neutral White<br><b>40K</b> 4000K Cool White<br><b>2K6K</b> Tunable White 2000K-6500K<br><b>27K6</b> Tunable White 2700K-6500K | <b>T</b> Top Power Input Wire<br><b>E</b> End Power Input Wire<br><b>L</b> Left Power Input Wire<br><b>R</b> Right Power Input Wire<br><b>B</b> Bottom Power Input Wire | <b>T</b> Top Wire Lead Out<br><b>E</b> End Wire Lead Out<br><b>L</b> Left Wire Lead Out<br><b>R</b> Right Wire Lead Out<br><b>B</b> Bottom Wire Lead Out<br><b>CA</b> Cap at end, no feed through | Outdoor wet location Barrel Connector cable leads |
| 2.4" Increments<br>Warm Dim 3" increments |  |                     |                   | Custom wire leads available up to 94"   |   |   |   |

|         |              |      |
|---------|--------------|------|
| PROJECT | FIXTURE TYPE | DATE |
|---------|--------------|------|

# CHANNEL NEON 0.5" FLAT LENS

24VDC, OUTDOOR | 5W | STATIC WHITE, WARM DIM & TUNABLE WHITE

**NOMINAL LAMP DATA** The average LED Life is 50,000 hours.

| CN-F5                   |     |     |      |     |      |     |     |
|-------------------------|-----|-----|------|-----|------|-----|-----|
| WATTS PER FOOT          | 5w  |     |      |     |      |     |     |
| COLOR TEMPERATURE       | 22K | 24K | 24D* | 27K | 27D* | 30K | 35K |
| LUMENS PER FOOT (lm/ft) | 174 | 184 | 271  | 212 | 271  | 232 | 265 |
| LUMENS PER WATT (lm/w)  | 38  | 42  | 56   | 46  | 56   | 50  | 58  |
| CRI                     | 92  | 92  | 93   | 92  | 93   | 84  | 85  |

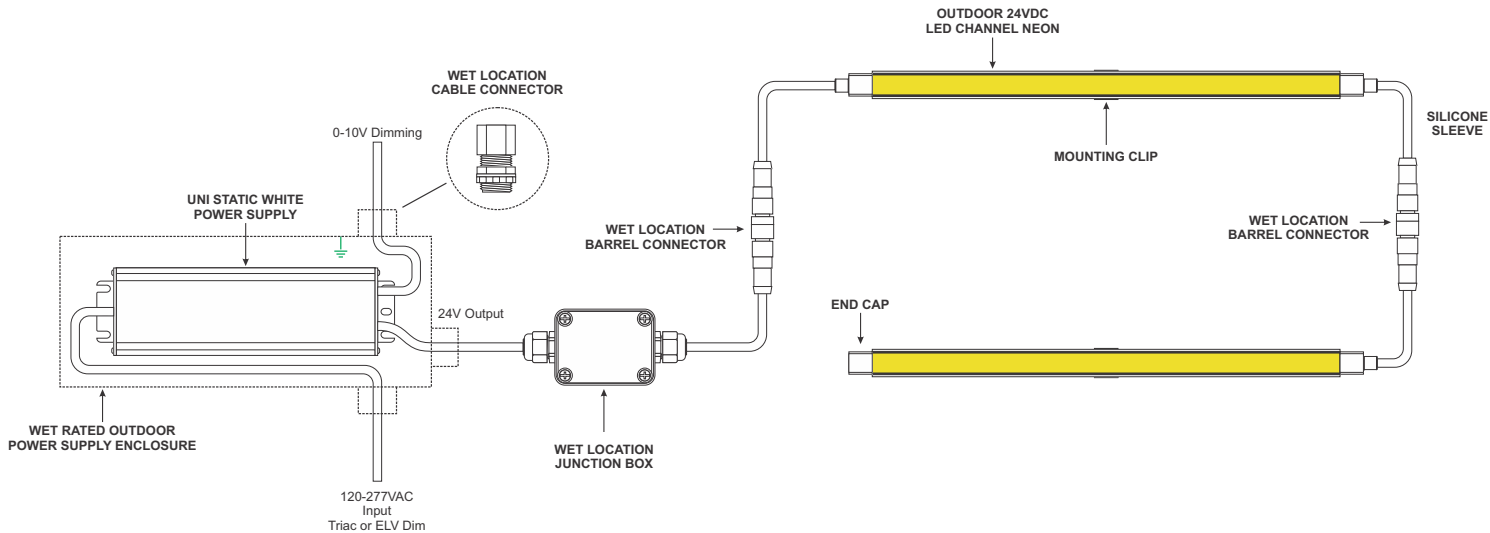
  

| TUNABLE WHITE 2K6K      |     |     |     |     |     |     |     |     |     |
|-------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| WATTS PER FOOT          | 5w  |     |     |     |     |     |     |     |     |
| COLOR TEMPERATURE       | 18K | 20K | 24K | 27K | 30K | 35K | 40K | 54K | 63K |
| LUMENS PER FOOT (lm/ft) | 170 | 157 | 175 | 191 | 213 | 238 | 188 | 177 | 180 |
| LUMENS PER WATT (lm/w)  | 37  | 34  | 38  | 42  | 46  | 52  | 44  | 44  | 45  |
| CRI                     | 92  | 92  | 92  | 93  | 92  | 92  | 84  | 84  | 85  |

| TUNABLE WHITE 27K6*     |     |     |     |     |     |     |     |
|-------------------------|-----|-----|-----|-----|-----|-----|-----|
| WATTS PER FOOT          | 5w  |     |     |     |     |     |     |
| COLOR TEMPERATURE       | 24K | 27K | 30K | 35K | 40K | 54K | 63K |
| LUMENS PER FOOT (lm/ft) | 164 | 168 | 174 | 181 | 188 | 177 | 180 |
| LUMENS PER WATT (lm/w)  | 41  | 42  | 43  | 44  | 44  | 44  | 45  |
| CRI                     | 92  | 93  | 92  | 92  | 84  | 84  | 85  |

\*Warm Dim & Tunable White has a variance in color temperature due to the curvature of the material.

## Drawings: Dimensions for the Channel Neon

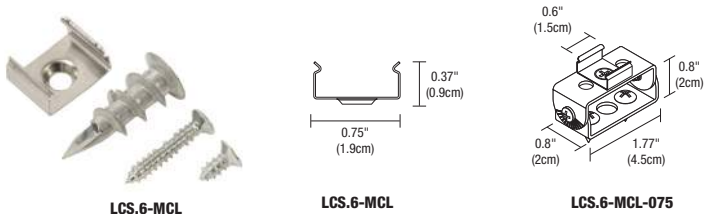


|         |  |              |  |      |  |
|---------|--|--------------|--|------|--|
| PROJECT |  | FIXTURE TYPE |  | DATE |  |
|---------|--|--------------|--|------|--|

# CHANNEL NEON 0.5" FLAT LENS

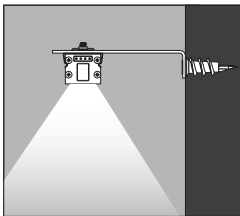
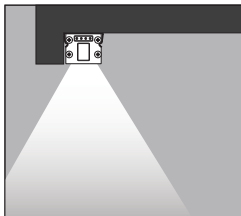
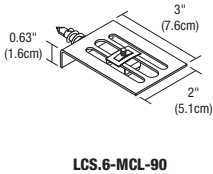
24VDC, OUTDOOR | 5W | STATIC WHITE, WARM DIM & TUNABLE WHITE

**Accessories:** Indoor Light Channel .6 Surface Mount, order based on lighting design or as replacement parts

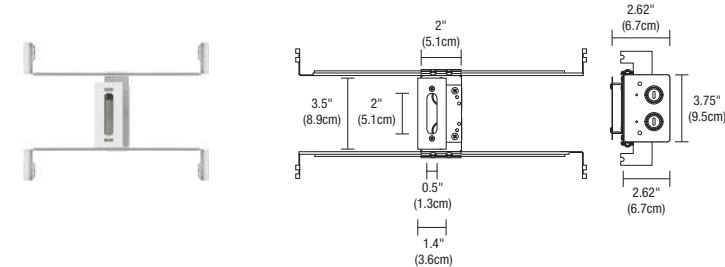


## MOUNTING CLIPS

LC-MCL mounting clips are provided with every two feet of Light Channel and may be ordered separately as replacement parts. The LC-MCL-075 rotates Light Channel up to 75°. LC-MCL-90 mounts Light Channel at a 90° angle.



| System                                 | Product           | Type                                |
|--|-------------------|-------------------------------------|
| <b>LCS.6</b>                           | <b>MCL</b>        | Standard (Leave Blank)              |
| LCS.6 Light Channel 0.6" Surface Mount | MCL Mounting Clip | 075 Adjusts 0-75°<br>90 Adjusts 90° |



## 1" RECTANGLE CANOPY & J-BOX

The Slim-Profile Junction Box with Hanger Bars mounts to studs spaced between 14.5" and 25" apart behind drywall. Allows low voltage DC wires from Remote Power Supply to connect to channel wires. The Junction Box opening is covered by the fixture for a clean, safe connection. Includes a Goof Plate, for poor plastering around J-box.

| Channel  | Canopy           | Product           |
|----------|------------------|-------------------|
| <b>C</b> | <b>1RE</b>       | <b>JBOX</b>       |
| C        | 1RE 1" Rectangle | JBOX Junction Box |

## TIE STRAP

Use for mounting to poles for extra support, every 6"-12" (30 per package).



| Product          | Type         |
|------------------|--------------|
| <b>SS</b>        | <b>ST</b>    |
| SS LED Flex Neon | ST Tie Strap |

## DIRECT BURIAL LOCATION CABLE ORDER PER FOOT

Our Direct Burial, 2 Conductor Plus ground, 12 Gauge Cable is a durable and adaptable cable suitable for transmitting power, control, and switching in outdoor wet and in ground environments. Keep within 60 ft between fixture and power supply. Cable sold by the foot, simply specify the length needed by the foot.



| Product          | Gauge        | Cable          |
|------------------|--------------|----------------|
| <b>DB</b>        | <b>12G</b>   | <b>2C</b>      |
| DB Direct Burial | 12G 12 Gauge | 2C 2 Conductor |

## WET AND DAMP LOCATION CABLE ORDER PER FOOT

Our Wet Location, 5 Conductor, 14 Gauge Cable is a durable and adaptable cable suitable for transmitting power, control, and switching in indoor and outdoor wet and damp environments. Cable sold by the foot, simply specify the length. Keep within 50 ft between fixture and power supply.



| Product          | Gauge        | Cable          |
|------------------|--------------|----------------|
| <b>OC</b>        | <b>14G</b>   | <b>5C</b>      |
| OC Outdoor Cable | 14G 14 Gauge | 5C 5 Conductor |

|         |  |              |  |      |  |
|---------|--|--------------|--|------|--|
| PROJECT |  | FIXTURE TYPE |  | DATE |  |
|---------|--|--------------|--|------|--|

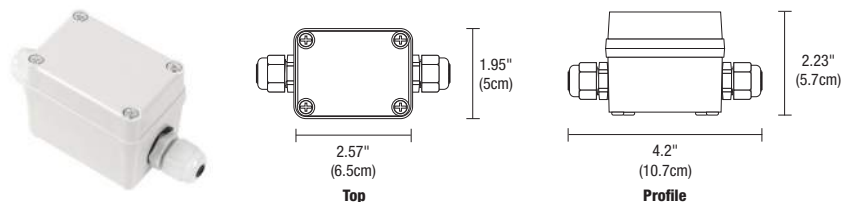
# CHANNEL NEON 0.5" FLAT LENS

24VDC, OUTDOOR | 5W | STATIC WHITE, WARM DIM & TUNABLE WHITE

REV 12.02.21

## WET LOCATION JUNCTION BOX

Wet-rated low voltage Splice Box with connectors.



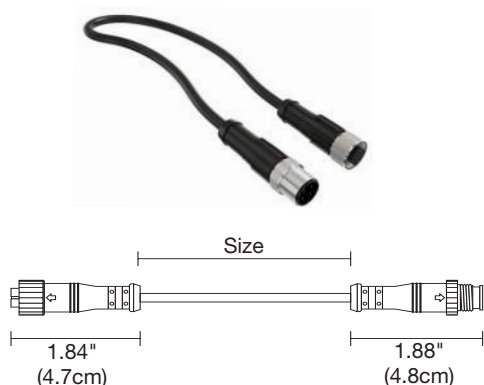
| Product          | Type              | Option         |
|------------------|-------------------|----------------|
| <b>2RE</b>       | <b>JBOX</b>       | <b>W</b>       |
| 2RE 2" Rectangle | JBOX Junction Box | W Wet Location |



## WET LOCATION JUNCTION BOX WITH 6" POWER CABLE

This watertight, multi-fixture Junction Box is especially designed for lighting in wet and damp locations. It is versatile, rugged and simple to install. The Junction Box comes standard with a 6" Flexible Cable providing easy, safe, and reliable connections for 24V low voltage luminaires. This box is approved for indoor and outdoor usage and complies with all the requirements of UL1241 and the National Electric Code.

| Product                     | Canopy           | Product           | Size                        | Option         |
|-----------------------------|------------------|-------------------|-----------------------------|----------------|
| <b>SS</b>                   | <b>2RE</b>       | <b>JBOX</b>       | <b>6IN</b>                  | <b>W</b>       |
| SS LED Soft Strip Flex Neon | 2RE 2" Rectangle | JBOX Junction Box | 6IN 6" Four Wire Connection | W Wet Location |



## POWER CABLE CONNECTOR WET LOCATION

The flexible power cable connector is designed to work in outdoor environments for safe and reliable connections. This Flexible Connector is easy to install and configure, helping you create innovative lighting designs in an outdoor commercial or residential space.

| Product                     | Type                          | Size              | Option         |
|-----------------------------|-------------------------------|-------------------|----------------|
| <b>SS</b>                   | <b>CFX</b>                    | <b>12IN</b>       | <b>W</b>       |
| SS Soft Strip and Flex Neon | CFX Flexible 4 Wire Connector | 12IN 12" 96IN 96" | W Wet Location |



## WET LOCATION T-CONNECTOR

Our Wet Location T-Connector is a robust rugged design especially suited to withstand the challenges of damp and wet environments. This unique T-Connector has one Male and two Female Connectors and is suitable for multiple indoor and outdoor uses. Versatile design is easy to use, making installation quick and efficient.

| Product                     | Type                  | Option         |
|-----------------------------|-----------------------|----------------|
| <b>SS</b>                   | <b>TC</b>             | <b>W</b>       |
| SS Soft Strip and Flex Neon | TC T-Connector 4 Wire | W Wet Location |

# TM30 DATA

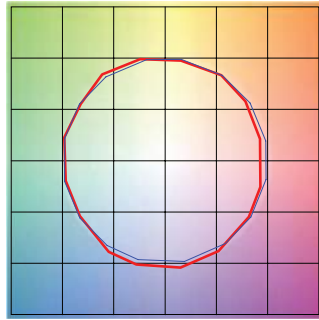
24VDC, OUTDOOR | 5W | STATIC WHITE, WARM DIM & DYNAMIC/TUNABLE WHITE

REV 12.02.21

**TM-30-15 DATA:** The data below is for ST2A, ST5A, ST7A and ST10A bare LED Soft Strips. Consistent color temperatures throughout a single strip and among multiple strips is possible through a 3 phase binning process in which each order is inspected with a color meter to ensure uniformity.

**2200K** | Rf: 90.5 | Rg: 99.9

Color Vector Graphic

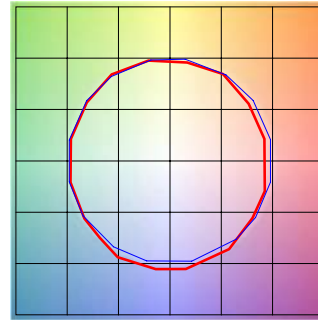


■ Test ■ Reference

| GRAPHIC SHIFTS % |      |        |        |
|------------------|------|--------|--------|
| HUE BIN          | Rf   | CHROMA | HUE    |
| 1                | 88.3 | -5.2%  | 1.0%   |
| 2                | 90.1 | -3.6%  | 3.7%   |
| 3                | 87.5 | -0.5%  | 5.6%   |
| 4                | 93.9 | -1.2%  | 1.3%   |
| 5                | 94.7 | 0.7%   | 2.1%   |
| 6                | 93.7 | 2.6%   | 0.7%   |
| 7                | 93.5 | -1.5%  | -2.2%  |
| 8                | 97.8 | -0.4%  | -0.2%  |
| 9                | 93.7 | -1.5%  | 2.4%   |
| 10               | 90.8 | -0.8%  | 4.9%   |
| 11               | 89.3 | 3.7%   | 5.4%   |
| 12               | 90.2 | 4.6%   | 1.0%   |
| 13               | 89.0 | 4.4%   | -9.7%  |
| 14               | 75.4 | 0.6%   | -15.1% |
| 15               | 90.7 | -1.7%  | -5.0%  |
| 16               | 84.2 | -4.4%  | -9.1%  |

**2400K** | Rf: 90.2 | Rg: 99.3

Color Vector Graphic

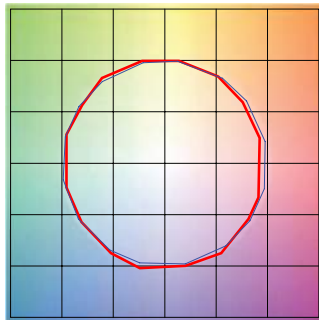


■ Test ■ Reference

| GRAPHIC SHIFTS % |      |        |        |
|------------------|------|--------|--------|
| HUE BIN          | Rf   | CHROMA | HUE    |
| 1                | 89.0 | -4.8%  | 1.1%   |
| 2                | 90.4 | -3.7%  | 3.2%   |
| 3                | 88.1 | -0.7%  | 5.2%   |
| 4                | 93.0 | -2.1%  | 0.9%   |
| 5                | 94.5 | -0.1%  | 2.0%   |
| 6                | 94.7 | 1.7%   | 0.6%   |
| 7                | 93.7 | -1.9%  | -1.5%  |
| 8                | 96.8 | -1.2%  | 0.2%   |
| 9                | 91.9 | -1.8%  | 3.7%   |
| 10               | 88.8 | -0.9%  | 6.1%   |
| 11               | 87.5 | 3.8%   | 7.1%   |
| 12               | 89.6 | 4.3%   | 0.3%   |
| 13               | 88.1 | 4.2%   | -9.1%  |
| 14               | 82.5 | 2.8%   | -10.6% |
| 15               | 91.4 | -2.1%  | -4.2%  |
| 16               | 84.0 | -3.6%  | -9.9%  |

**2700K** | Rf: 89.5 | Rg: 98.3

Color Vector Graphic

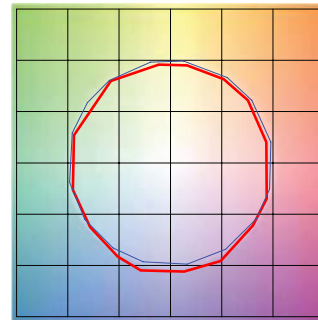


■ Test ■ Reference

| GRAPHIC SHIFTS % |      |        |        |
|------------------|------|--------|--------|
| HUE BIN          | Rf   | CHROMA | HUE    |
| 1                | 88.6 | -5.2%  | 0.9%   |
| 2                | 90.3 | -3.6%  | 2.9%   |
| 3                | 88.4 | -1.5%  | 5.0%   |
| 4                | 91.9 | -2.5%  | 1.4%   |
| 5                | 93.5 | -0.9%  | 2.3%   |
| 6                | 95.7 | 0.9%   | -0.4%  |
| 7                | 91.1 | -3.7%  | -0.5%  |
| 8                | 95.8 | -2.0%  | 0.4%   |
| 9                | 90.5 | -2.6%  | 4.5%   |
| 10               | 84.9 | -1.1%  | 8.7%   |
| 11               | 85.0 | 2.3%   | 9.8%   |
| 12               | 88.1 | 5.5%   | 1.5%   |
| 13               | 90.9 | 2.9%   | -5.2%  |
| 14               | 86.2 | 4.3%   | -8.9%  |
| 15               | 90.7 | -2.4%  | -3.6%  |
| 16               | 83.0 | -2.7%  | -11.3% |

**3000K** | Rf: 88.7 | Rg: 98.2

Color Vector Graphic

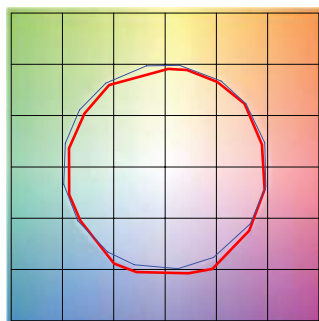


■ Test ■ Reference

| GRAPHIC SHIFTS % |      |        |        |
|------------------|------|--------|--------|
| HUE BIN          | Rf   | CHROMA | HUE    |
| 1                | 88.3 | -5.2%  | 0.8%   |
| 2                | 90.2 | -3.7%  | 2.7%   |
| 3                | 88.3 | -1.6%  | 4.9%   |
| 4                | 92.2 | -2.0%  | 1.8%   |
| 5                | 91.0 | -3.5%  | 1.8%   |
| 6                | 95.8 | 0.4%   | -0.4%  |
| 7                | 90.2 | -4.4%  | -0.0%  |
| 8                | 94.8 | -2.6%  | 0.8%   |
| 9                | 89.2 | -2.9%  | 6.0%   |
| 10               | 81.4 | -1.5%  | 9.7%   |
| 11               | 82.9 | 2.3%   | 10.5%  |
| 12               | 88.3 | 6.7%   | 1.9%   |
| 13               | 91.9 | 2.8%   | -4.0%  |
| 14               | 86.3 | 4.9%   | -8.3%  |
| 15               | 87.1 | -1.2%  | -6.1%  |
| 16               | 83.2 | -1.7%  | -11.6% |

**3500K** | Rf: 88.1 | Rg: 97.1

Color Vector Graphic

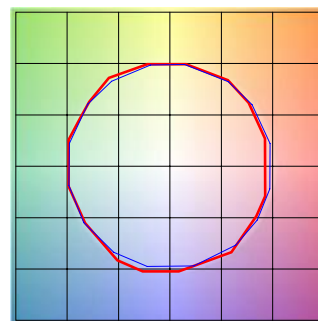


■ Test ■ Reference

| GRAPHIC SHIFTS % |      |        |       |
|------------------|------|--------|-------|
| HUE BIN          | Rf   | CHROMA | HUE   |
| 1                | 87.8 | -5.2%  | 1.0%  |
| 2                | 90.8 | -3.3%  | 2.3%  |
| 3                | 89.8 | -1.6%  | 3.9%  |
| 4                | 91.0 | -2.7%  | 0.9%  |
| 5                | 90.0 | -5.4%  | 0.7%  |
| 6                | 95.6 | -0.9%  | -0.4% |
| 7                | 90.0 | -5.3%  | 1.4%  |
| 8                | 91.8 | -3.6%  | 3.0%  |
| 9                | 87.1 | -2.9%  | 7.3%  |
| 10               | 80.1 | -1.3%  | 12.2% |
| 11               | 81.8 | 4.1%   | 10.5% |
| 12               | 88.2 | 5.1%   | 2.3%  |
| 13               | 92.4 | 2.1%   | -3.8% |
| 14               | 86.6 | 5.0%   | -7.9% |
| 15               | 86.2 | -0.7%  | -6.8% |
| 16               | 84.5 | -2.1%  | -7.0% |

**2700D** | Rf: 90.7 | Rg: 101.1

Color Vector Graphic



■ Test ■ Reference

| GRAPHIC SHIFTS % |      |        |        |
|------------------|------|--------|--------|
| HUE BIN          | Rf   | CHROMA | HUE    |
| 1                | 90.9 | -4.1%  | 1.1%   |
| 2                | 91.8 | -2.2%  | 3.2%   |
| 3                | 89.0 | 0.2%   | 5.0%   |
| 4                | 92.9 | -1.1%  | 0.8%   |
| 5                | 93.9 | 1.1%   | 1.7%   |
| 6                | 93.3 | 3.3%   | 0.0%   |
| 7                | 93.1 | -0.5%  | -1.9%  |
| 8                | 97.2 | -0.3%  | -0.9%  |
| 9                | 93.4 | -1.0%  | 3.2%   |
| 10               | 89.9 | -0.1%  | 5.6%   |
| 11               | 87.0 | 4.7%   | 7.2%   |
| 12               | 89.2 | 5.8%   | -0.2%  |
| 13               | 89.1 | 3.5%   | -6.7%  |
| 14               | 86.3 | 4.1%   | -9.2%  |
| 15               | 91.4 | -2.0%  | -3.6%  |
| 16               | 84.7 | -2.1%  | -10.3% |

|         |  |              |  |      |  |
|---------|--|--------------|--|------|--|
| PROJECT |  | FIXTURE TYPE |  | DATE |  |
|---------|--|--------------|--|------|--|

# TM30 DATA

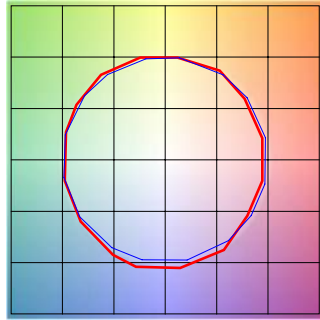
24VDC, OUTDOOR | 5W | STATIC WHITE, WARM DIM & DYNAMIC/TUNABLE WHITE

REV 12.02.21

**TM-30-15 DATA:** The data below is for ST2A, ST5A, ST7A and ST10A bare LED Soft Strips. Consistent color temperatures throughout a single strip and among multiple strips is possible through a 3 phase binning process in which each order is inspected with a color meter to ensure uniformity.

**3000D** | Rf: 90.6 | Rg: 101.1

Color Vector Graphic

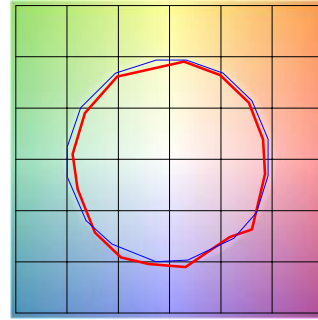


■ Test ■ Reference

|         |      | GRAPHIC SHIFTS % |        |
|---------|------|------------------|--------|
| HUE BIN | Rf   | CHROMA           | HUE    |
| 1       | 91.5 | -3.5%            | 1.3%   |
| 2       | 92.2 | -1.8%            | 3.0%   |
| 3       | 89.3 | 0.5%             | 4.8%   |
| 4       | 92.7 | -1.1%            | 0.6%   |
| 5       | 93.3 | 0.5%             | 1.4%   |
| 6       | 93.8 | 2.7%             | -0.8%  |
| 7       | 91.2 | -2.1%            | -0.2%  |
| 8       | 97.0 | -0.5%            | -0.7%  |
| 9       | 92.5 | -0.7%            | 3.8%   |
| 10      | 88.3 | 0.9%             | 7.1%   |
| 11      | 87.5 | 3.9%             | 7.6%   |
| 12      | 88.2 | 6.2%             | -0.2%  |
| 13      | 89.9 | 3.4%             | -6.0%  |
| 14      | 86.9 | 4.4%             | -8.5%  |
| 15      | 91.9 | -1.9%            | -2.9%  |
| 16      | 84.7 | -1.3%            | -10.6% |

**6500K ONLY (27K6)** | Rf: 86.8 | Rg: 96.8

Color Vector Graphic



■ Test ■ Reference

|         |      | GRAPHIC SHIFTS % |        |
|---------|------|------------------|--------|
| HUE BIN | Rf   | CHROMA           | HUE    |
| 1       | 86.5 | -4.7%            | 0.8%   |
| 2       | 91.9 | -2.5%            | 3.1%   |
| 3       | 91.2 | -2.0%            | 1.9%   |
| 4       | 91.2 | -1.6%            | 1.4%   |
| 5       | 85.7 | -6.2%            | -0.9%  |
| 6       | 92.9 | -3.5%            | -1.0%  |
| 7       | 92.1 | -4.7%            | 0.7%   |
| 8       | 85.2 | -5.8%            | 4.9%   |
| 9       | 82.8 | -6.2%            | 14.3%  |
| 10      | 77.1 | -0.7%            | 15%    |
| 11      | 72.1 | 5.8%             | 14.1%  |
| 12      | 91.6 | 4.0%             | 1.0%   |
| 13      | 89.9 | 5.6%             | -2.3%  |
| 14      | 90.5 | -1.8%            | -3.7%  |
| 15      | 81.6 | 6.5%             | -13.9% |
| 16      | 92.8 | -3.6%            | -0.4%  |

|         |  |              |  |      |  |
|---------|--|--------------|--|------|--|
| PROJECT |  | FIXTURE TYPE |  | DATE |  |
|---------|--|--------------|--|------|--|

# MIN / MAX - TRIANGOLO IP67



datasheet

MIN / MAX Triangolo are triangular, IP67-rated LED luminaire for flush installation on floors in indoor or outdoor areas. It is available in 2 different triangle shapes - 5 sizes each with antislip glass. Driveover rated up to 11,000 lbs. Pressure switch on request. Can be ordered in IP68 stainless steel version suitable for fountains - see Fountain Lighting section.

## TECHNICAL DATA

|   |   |   |
|---|---|---|
| <b>Wattage / Input</b>                        | 16W, 33W, 45W, 60W, 76W (Triangolo 1-5: 24VDC)<br>9.6W, 27W, 40W, 54W, 67W (Triangolo 6-10: 24VDC)  |   |
| <b>Power Supply</b>                           | Remote, not included. See page 2.   |   |
| <b>Construction</b>                           | Body: Anticorodal Aluminum Protected by 25 Micron<br>Lens: Extra Clear Tempered Glass<br>Cable Length: 1.64'                                      |   |
| <b>CCT</b>                                    | 2700K, 3000K, 4000K<br>(RGBW or Tunable White on request)   |   |
| <b>BUG Rating</b>                             | B0-U0-G0  |   |
| <b>Delivered Lumens</b>                       | 1360-5600 lm (3000K)  |   |
| <b>Efficacy</b>                               | 83-92 lm/W (3000K)  |   |
| <b>Optics</b>                                 | Diffuse   |   |
| <b>Finishes</b>                               | Antislip Glass (Sandblasted available on request)   |   |
| <b>Fixture Dimensions</b><br>(all are 1.6" h) | 9.8" x 15.9" x 15.9" (T1)<br>19.7" x 31.9" x 31.9" (T2)<br>29.5" x 47.3" x 47.3" (T3)<br>39.4" x 63.8" x 63.8" (T4)<br>49.2" x 79.7" x 79.7" (T5) | 9.8" x 9.8" x 15.9" (T6)<br>19.7" x 19.7" x 31.9" (T7)<br>29.5" x 29.5" x 47.3" (T8)<br>39.4" x 39.4" x 63.8" (T9)<br>49.2" x 49.2" x 79.7" (T10) |
| <b>Color Consistency</b>                      | 3-Step MacAdam  |   |
| <b>IP Rating</b>                              | IP67  |   |
| <b>Impact Resistance</b>                      | IK10  |   |
| <b>Driveover Capacity</b>                     | Up to 11,000 lbs  |   |



Fixture Dimensions - See page 2



## ORDERING INFORMATION

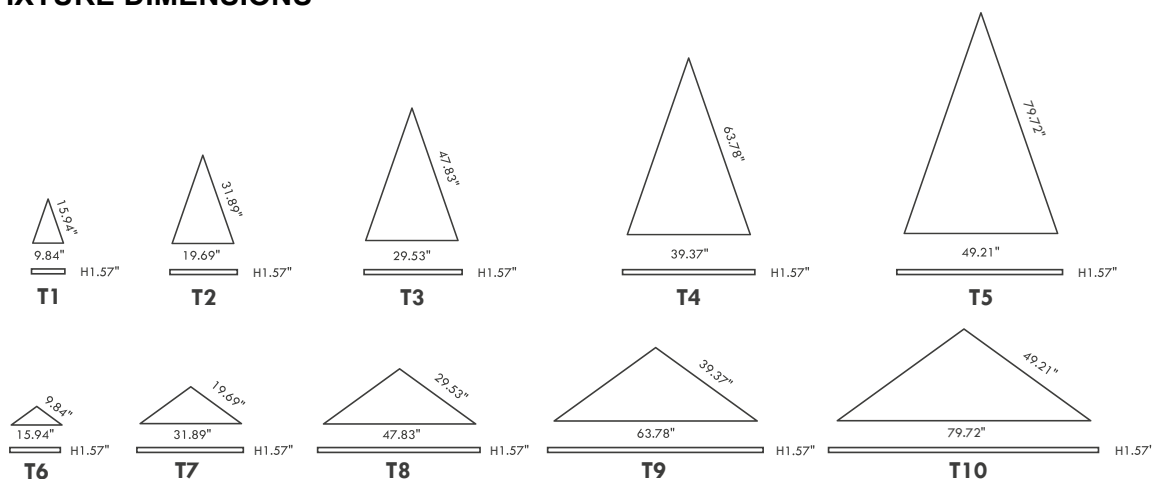
Example: LM07.103826.A1.DI.BP.US. Accessories / Power supplies sold separately.

|                            |               |              |            |
|----------------------------|---------------|--------------|------------|
|                            | A1            | DI           |            |
| <b>Model No.</b>           | <b>Finish</b> | <b>Optic</b> | <b>CCT</b> |
| LM07.103823.US (T1 - 16W)  | A1 - Antislip | DI - Diffuse | BC - 2700K |
| LM07.103824.US (T2 - 33W)  |               |              | BP - 3000K |
| LM07.103825.US (T3 - 45W)  |               |              | BF - 4000K |
| LM07.103885.US (T4 - 60W)  |               |              |            |
| LM07.103886.US (T5 - 76W)  |               |              |            |
| LM07.103826.US (T6 - 9.6W) |               |              |            |
| LM07.103827.US (T7 - 27W)  |               |              |            |
| LM07.103828.US (T8 - 40W)  |               |              |            |
| LM07.103887.US (T9 - 54W)  |               |              |            |
| LM07.103888.US (T10 - 67W) |               |              |            |

Job Name/Date:

Fixture Type Designation:

## FIXTURE DIMENSIONS



## SUGGESTED POWER SUPPLIES

24VDC

| Part Number               | Description   | Input/Output                       | # of Fixtures |     |     |     |     |
|---------------------------|---|------------------------------------|---------------|-----|-----|-----|-----|
|                           |   |                                    | T1            | T2  | T3  | T4  | T5  |
| <a href="#">PPLT00481</a> | Non-Dim   | 120-277VAC to 24VDC, 24W, Class 2  | 1-1           | —   | —   | —   | —   |
| <a href="#">PPLT00156</a> | Non-Dim   | 120VAC to 24VDC, 45W, Class 2      | 1-2           | 1-1 | —   | —   | —   |
| <a href="#">PPLT00157</a> | Non-Dim   | 120VAC to 24VDC, 60W, Class 2      | 1-3           | 1-1 | 1-1 | —   | —   |
| <a href="#">PPLT00599</a> | ELV/TRIAC & 0-10V Dimming (100-0%)                      | 120-277VAC to 24VDC, 96W, Class 2  | 1-4           | 1-2 | 1-1 | 1-1 | —   |
| <a href="#">PPLT00158</a> | Non-Dim   | 120VAC to 24VDC, 100W, Class 2     | 1-5           | 1-2 | 1-1 | 1-1 | 1-1 |
| <a href="#">PPLT00543</a> | 0-10V Dimming to 15% (-40°C / -40°F cold weather start) | 120-277VAC to 24VDC, 100W, Class 2 | 1-5           | 1-2 | 1-1 | 1-1 | 1-1 |

| Part Number               | Description   | Input/Output                            | # of Fixtures |     |     |     |     |
|---------------------------|---|---|---------------|-----|-----|-----|-----|
|                           |   |   | T6            | T7  | T8  | T9  | T10 |
| <a href="#">PPLT00194</a> | Non-Dim   | 120-277VAC to 24VDC, 24W, Class 2, IP66 | 1-1           | —   | —   | —   | —   |
| <a href="#">PPLT00481</a> | Non-Dim   | 120-277VAC to 24VDC, 24W, Class 2       | 1-2           | —   | —   | —   | —   |
| <a href="#">PPLT00156</a> | Non-Dim   | 120VAC to 24VDC, 45W, Class 2           | 1-3           | 1-1 | —   | —   | —   |
| <a href="#">PPLT00157</a> | Non-Dim   | 120VAC to 24VDC, 60W, Class 2           | 1-5           | 1-1 | 1-1 | —   | —   |
| <a href="#">PPLT00599</a> | ELV/TRIAC & 0-10V Dimming (100-0%)                      | 120-277VAC to 24VDC, 96W, Class 2       | 1-8           | 1-2 | 1-1 | 1-1 | 1-1 |
| <a href="#">PPLT00158</a> | Non-Dim   | 120VAC to 24VDC, 100W, Class 2          | 1-8           | 1-2 | 1-2 | 1-1 | 1-1 |
| <a href="#">PPLT00543</a> | 0-10V Dimming to 15% (-40°C / -40°F cold weather start) | 120-277VAC to 24VDC, 100W, Class 2      | 2-8           | 1-2 | 1-2 | 1-1 | 1-1 |

For other power supply options consult factory.

Job Name/Date:

Fixture Type Designation:

## ACCESSORIES - Installation



H 3.94"

**LM20.103942** (T1 - 10.2" x 16.3" x 3.9" h)**LM20.103943** (T2 - 20.0" x 32.2" x 3.9" h)**LM20.103944** (T3 - 29.8" x 48.1" x 3.9" h)**LM20.103945** (T4 - 39.7" x 64.1" x 3.9" h)**LM20.103946** (T5 - 49.5" x 80.0" x 3.9" h)

IP67 Housing



H 3.94"

**LM20.103947** (T6 - 10.2" x 16.3" x 3.9" h)**LM20.103948** (T7 - 20.0" x 32.2" x 3.9" h)**LM20.103949** (T8 - 29.8" x 48.1" x 3.9" h)**LM20.103950** (T9 - 39.7" x 64.1" x 3.9" h)**LM20.103951** (T10 - 49.5" x 80.0" x 3.9" h)

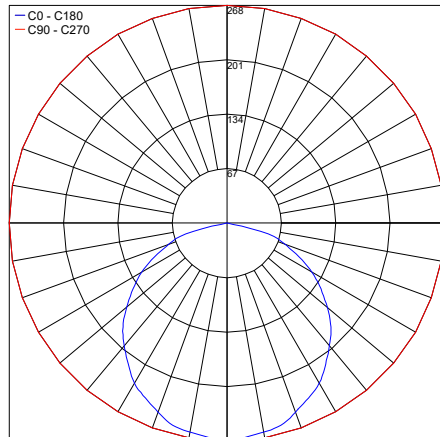
IP67 Housing

**LM20.104765**Light Source Extraction Tool Kit  
(For T1, T2, T6, T7)**LM20.104812**Light Source Extraction Tool Kit  
(For T3, T4, T5, T8, T9, T10)

## PHOTOMETRIC DATA

## T1-T10

Maximum Candela = 268.3



PHOTOMETRIC FILENAME : T1-T10-all the same.IES

Job Name/Date:

Fixture Type Designation:

# SABER SUSPENSION, 0.8" ROUND OUTDOOR WET LOCATION

## 24VDC OUTDOOR 5W | 7W STATIC WHITE, WARM DIM & TUNABLE WHITE

ASSEMBLED IN AMERICA | US PATENT PENDING

REV 12.10.21



### DESCRIPTION

Visually stimulating and housed within an unconventional silicone lens, PureEdge's Flexible Saber Line is Tension hung offering flexible installation and conceptual yet functional design. The SCS8 bends Up and Down giving it the unique ability to traverse open spaces wall to wall, wall to ceiling, or floor to ceiling. The 0.75" wide round lens, offers superior color quality and performance while creating uniform illumination without pixelation. Offered in various color temperatures ranging from 2000K to 5700K, including two Warm Dim options of 2700K (**27D**) or 3000K (**30D**) and Tunable White (**2K6K** or **27K6**). Using the latest in LED Technology Tunable White grants independent control for adjusting color temperature and brightness. Use with two dimmers or, our proprietary Tunable White Controller (**CDMX-1**) for fast and accurate adjustment with three pre-set scenes (Ordered separately). Saber is an IP67 rated wet location system featuring watertight barrel connections. System includes a pair of turnbuckles and aircraft cable. Includes a 5-year pro-rated warranty. Patent Pending. For custom designs and quotes, email our design team: [design@PureEdgeLighting.com](mailto:design@PureEdgeLighting.com).

### SPECIFICATIONS

|                       |  |
|-----------------------|--|
| DIMENSIONS            | 1.12" Height 0.66" (top) 0.75" (bottom)  |
| INPUT                 | 5" leads   |
| POWER SUPPLIES        | Remote 24VDC power supply required   |
| POWER CONSUMPTION     | 4.4 or 7.3 watts per foot  |
| INCREMENTS            | 1'   |
| MAX LENGTH            | 5W - Up to 40' with power feeds at both ends, 20' with one feed<br>7W - 24' with power feeds at both ends, 12' with one feed |
| MATERIAL              | UV Resistant PVC   |
| OPERATING TEMPERATURE | -40° F (-40° C) to 122° F (+50° C)   |
| AVERAGE LED LIFE      | 50,000 hrs   |
| WARRANTY              | 5 Year pro-rated   |
| COMPLIANCE            | Class 2 Wiring, Outdoor Wet Location with Water Tight Barrel Connectors IP67 Rated, ETL listed                               |

### LUMEN PERFORMANCE at 3000K 7W PER FOOT

(Refer to page 2 for full lumen data)

|                |            |
|----------------|------------|
| LUMEN OUTPUT   | 557 lm/ft  |
| EFFICIENCY     | 76 lm/watt |
| CRI            | 92         |
| R9             | 73         |
| BEAM ANGLE     | 160°       |
| BEAM TOLERANCE | +/- 30CCT  |

### REMOTE POWER SUPPLIES\*, DIMMERS & CONTROLS (SOLD SEPARATELY)

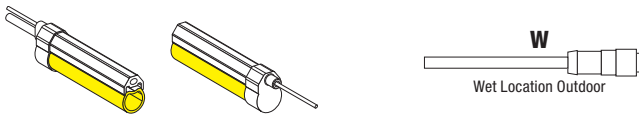
#### STATIC WHITE & WARM DIM

- **UNI Driver: Universal Dimming** (TRIAC, ELV, 0-10V)

#### TUNABLE WHITE

- **0-10V:** Requires two dimmers, one for intensity and one for color temperature
- **DMX Dynamic Color Changing:** Must be used with PureEdge [Controllers](#)

### Wet Location End Feed with Aircraft Cable



| System                  | Viewing Angle<br>Model Shape   | Wattage  | Length in Feet  | Color Temperature  |   | 5" Input<br>Wire Feed         | Output Wire                           | Environment  |
|-------------------------|--|--|---|--|---|-------------------------------|---------------------------------------|--|
| <b>FN</b>               | <b>SCS8</b>  | <b>5W</b>  | <b>20</b>   | <b>27K</b>   |   | <b>E</b>                      | <b>CA</b>                             | <b>W</b>   |
| <b>FN</b> Flex Neon 24V | <b>SCS8</b> Suspension Saber .8" bends up/down. Includes suspension aircraft cable and turnbuckle. Order power supply and canopy separately. | <b>5W</b> 4.4 watts per foot<br><b>7W</b> 7.3 watts per foot | 5W - Up to 20' with power feed at one end<br>7W - Up to 12' with power feed at one end<br><br>Lengths surpassing 26' may have a slight sag up to 1" | <b>20K</b> 2000K Candle Light White<br><b>22K</b> 2200K Amber White<br><b>24K</b> 2400K Very Warm White<br><b>27K</b> 2700K Incandescent White<br><b>27D*</b> 2700K Warm Dim, Dims to 1800K<br><b>30K</b> 3000K Warm White<br>*5W Only | <b>30D*</b> 3000K Warm Dim, Dims to 2000K<br><b>35K</b> 3500K Neutral White<br><b>40K</b> 4000K Cool White<br><b>57K</b> 5700K Daylight White<br><b>2K6K</b> Tunable White 2000K-6500K<br><b>27K6</b> Tunable White 2700K-6500K | <b>E</b> End Power Input Wire | <b>CA</b> Cap at end, no feed through | <b>W</b> Outdoor wet location Barrel Connector cable leads |
| System                  | Viewing Angle<br>Model Shape   | Wattage  | Length in Feet  | Color Temperature  |   | 5" Input<br>Wire Feed         | Output Wire                           | Environment  |
| <b>FN</b>               | <b>SCS8</b>  | <b>5W</b>  | <b>20</b>   | <b>27K</b>   |   | <b>E</b>                      | <b>E</b>                              | <b>W</b>   |
| <b>FN</b> Flex Neon 24V | <b>SCS8</b> Suspension Saber .8" bends up/down. Includes suspension aircraft cable and turnbuckle. Order power supply and canopy separately. | <b>5W</b> 4.4 watts per foot<br><b>7W</b> 7.3 watts per foot | 5W - 21-40' with power feed at both ends<br>7W - 13-24' with power feed at both ends<br><br>Lengths surpassing 26' may have a slight sag up to 1"   | <b>20K</b> 2000K Candle Light White<br><b>22K</b> 2200K Amber White<br><b>24K</b> 2400K Very Warm White<br><b>27K</b> 2700K Incandescent White<br><b>27D*</b> 2700K Warm Dim, Dims to 1800K<br><b>30K</b> 3000K Warm White<br>*5W Only | <b>30D*</b> 3000K Warm Dim, Dims to 2000K<br><b>35K</b> 3500K Neutral White<br><b>40K</b> 4000K Cool White<br><b>57K</b> 5700K Daylight White<br><b>2K6K</b> Tunable White 2000K-6500K<br><b>27K6</b> Tunable White 2700K-6500K | <b>E</b> End Power Input Wire | <b>E</b> End Wire Lead Out            | <b>W</b> Outdoor wet location Barrel Connector cable leads |
| PROJECT                 |  |  |   | FIXTURE TYPE   |   |                               | DATE                                  |  |

# SABER SUSPENSION, 0.8" ROUND OUTDOOR WET LOCATION

24VDC OUTDOOR 5W | 7W STATIC WHITE, WARM DIM & TUNABLE WHITE

REV 12.10.21

## Lamp Data: Lamp Data for Saber Line SCS8

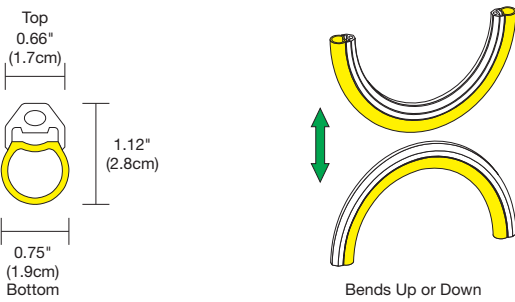
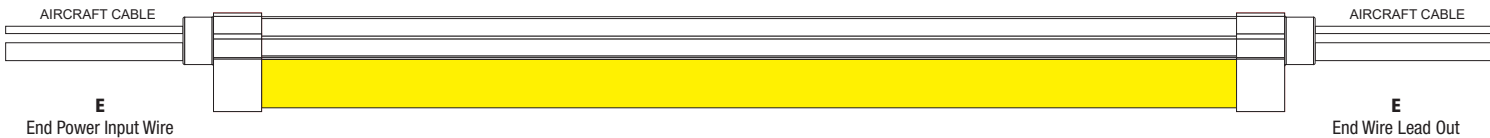
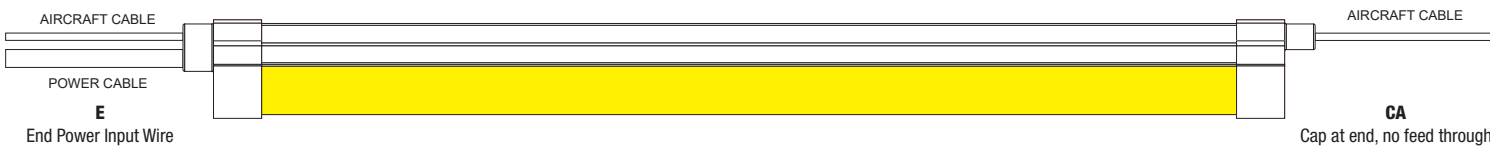
| FN-SCS8                 |                |     |     |      |     |      |     |     |     |                |     |     |     |     |     |     |
|-------------------------|----------------|-----|-----|------|-----|------|-----|-----|-----|----------------|-----|-----|-----|-----|-----|-----|
| WATTS PER FOOT          | 5W (4.4 watts) |     |     |      |     |      |     |     |     | 7W (7.3 watts) |     |     |     |     |     |     |
| COLOR TEMPERATURE       | 22K            | 24K | 27K | 27D* | 30K | 30D* | 35K | 40K | 57K | 22K            | 24K | 27K | 30K | 35K | 40K | 57K |
| LUMENS PER FOOT (lm/ft) | 257            | 283 | 312 | 398  | 342 | 405  | 392 | 426 | 453 | 419            | 462 | 509 | 557 | 639 | 695 | 738 |
| LUMENS PER WATT (lm/w)  | 58             | 64  | 71  | 83   | 78  | 84   | 89  | 97  | 103 | 57             | 63  | 70  | 76  | 87  | 95  | 101 |
| CRI                     | 92+            | 92+ | 92+ | 94+  | 92+ | 94+  | 92+ | 92+ | 92+ | 92+            | 92+ | 92+ | 92+ | 92+ | 92+ | 92+ |

\*27D, 30D - Warm Dim 5 Watts Only

| WATTS PER FOOT          | 2K6K - 5W (4.4 watts) |     |     |     |     |     |     |     |     |     | 27K6 - 5W (4.4 watts) |     |     |     |     |     |     |     | 2K6K - 7W (7.3 watts) |     |     |     |     |     |     |     | 27K6 - 7W (7.3 watts) |     |     |     |     |     |  |  |
|-------------------------|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|--|--|
| COLOR TEMPERATURE       | 20K                   | 22K | 24K | 27K | 30K | 35K | 40K | 57K | 65K | 27K | 30K                   | 35K | 40K | 45K | 57K | 65K | 20K | 22K | 24K                   | 27K | 30K | 35K | 40K | 57K | 65K | 27K | 30K                   | 35K | 40K | 45K | 57K | 65K |  |  |
| LUMENS PER FOOT (lm/ft) | 280                   | 295 | 309 | 323 | 354 | 368 | 382 | 319 | 318 | 296 | 303                   | 314 | 325 | 322 | 319 | 318 | 378 | 422 | 466                   | 509 | 550 | 586 | 517 | 431 | 429 | 399 | 408                   | 424 | 439 | 434 | 431 | 429 |  |  |
| LUMENS PER WATT (lm/w)  | 70                    | 64  | 67  | 70  | 77  | 80  | 95  | 69  | 79  | 74  | 66                    | 68  | 71  | 70  | 69  | 79  | 59  | 59  | 65                    | 71  | 76  | 81  | 81  | 60  | 67  | 62  | 57                    | 59  | 61  | 60  | 60  | 67  |  |  |
| CRI                     | 91+                   | 91+ | 91+ | 94+ | 94+ | 94+ | 91+ | 93+ | 93+ | 92+ | 92+                   | 92+ | 95+ | 93+ | 93+ | 93+ | 91+ | 91+ | 91+                   | 94+ | 94  | 94  | 91+ | 93+ | 93  | 92+ | 92+                   | 92+ | 95  | 93+ | 93+ | 93+ |  |  |

\*Tunable White has a variance in color temperature due to the curvature of the material.

## Drawings: Saber Line SCS8



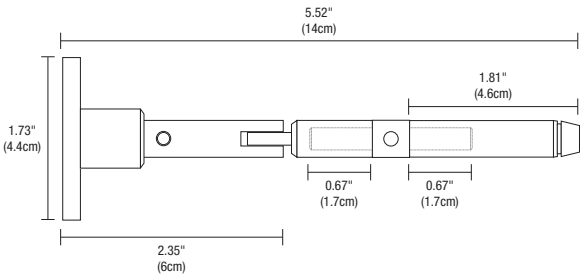
## LENGTH CHART Actual lengths for Saber Line SCS8

| LENGTH CHART                 |                        |                              |                        |                              |                        |                              |                        |
|------------------------------|------------------------|------------------------------|------------------------|------------------------------|------------------------|------------------------------|------------------------|
| Ordering Code (Nominal Size) | Actual Length (Inches) | Ordering Code (Nominal Size) | Actual Length (Inches) | Ordering Code (Nominal Size) | Actual Length (Inches) | Ordering Code (Nominal Size) | Actual Length (Inches) |
| 1                            | 12.75                  | 11                           | 132.75                 | 21                           | 252.75                 | 31                           | 372.75                 |
| 2                            | 24.75                  | 12                           | 144.75                 | 22                           | 264.75                 | 32                           | 384.75                 |
| 3                            | 36.75                  | 13                           | 156.75                 | 23                           | 276.75                 | 33                           | 396.75                 |
| 4                            | 48.75                  | 14                           | 168.75                 | 24                           | 288.75                 | 34                           | 408.75                 |
| 5                            | 60.75                  | 15                           | 180.75                 | 25                           | 300.75                 | 35                           | 420.75                 |
| 6                            | 72.75                  | 16                           | 192.75                 | 26                           | 312.75                 | 36                           | 432.75                 |
| 7                            | 84.75                  | 17                           | 204.75                 | 27                           | 324.75                 | 37                           | 444.75                 |
| 8                            | 96.75                  | 18                           | 216.75                 | 28                           | 336.75                 | 38                           | 456.75                 |
| 9                            | 108.75                 | 19                           | 228.75                 | 29                           | 348.75                 | 39                           | 468.75                 |
| 10                           | 120.75                 | 20                           | 240.75                 | 30                           | 360.75                 | 40                           | 480.75                 |

|         |  |              |  |      |  |
|---------|--|--------------|--|------|--|
| PROJECT |  | FIXTURE TYPE |  | DATE |  |
|---------|--|--------------|--|------|--|

# FLEX NEON OUTDOOR ACCESSORIES AND J-BOXES

24VDC OUTDOOR 5W | 7W STATIC WHITE, WARM DIM & TUNABLE WHITE



## PAIR OF TURNBUCKLES AND AIRCRAFT CABLE (INCLUDED)

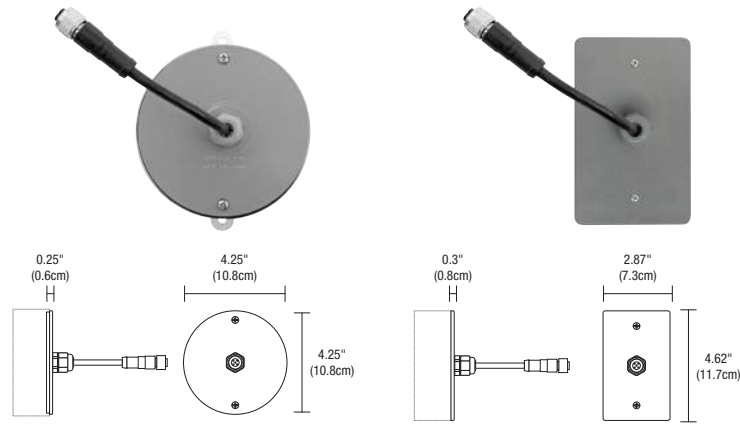
The Slim-Profile Turnbuckles hold the tension of the air craft cable running through the silicone Saber tube with LED strip. 6' stainless steel aircraft cable included.

| Product                    | Finish            |
|----------------------------|-------------------|
| <b>SABT</b>                | <b>SA</b>         |
| SABT Saber Line Turnbuckle | SA Satin Aluminum |



## AIRCRAFT CABLE (INCLUDED WITH AN EXTRA 6')

| Product                       | Type       | Length               |
|-------------------------------|------------|----------------------|
| <b>ACBL</b>                   | <b>SAB</b> | <b>50FT</b>          |
| ACBL Aircraft Cable for Saber | SAB Saber  | 10ft to 50ft lengths |



## CANOPY (ORDER SEPARATELY)

Outdoor canopy with 8ft outdoor barrel connector power feed, may be cut on job site.

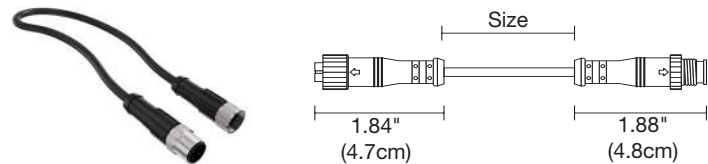
| System  | Type  | Canopy  | Finish    |
|---|---|---|-----------|
| <b>OC8P</b>                                     | <b>CFX</b>  | <b>RD</b>   | <b>ZN</b> |
| OC8P Outdoor Canopy with 8' outdoor Power cable | CFX Flexible 4 Wire Cable with Barrel Connector for Static White and Tunable LEDs | RD Round Cover, 1 gauge 4.125"<br>RE Rectangle Cover, 1 gauge 2.8" x 4.5" | ZN Zinc   |



## WET AND DAMP LOCATION CABLE ORDER PER FOOT

Our Wet Location, 5 Conductor, 14 Gauge Cable is a durable and adaptable cable suitable for transmitting power, control, and switching in indoor and outdoor wet and damp environments. Cable sold by the foot, simply specify the length needed by the foot. Keep within 50 ft between fixture and power supply. Cable sold by the foot, simply specify the length needed by the foot.

| Product          | Gauge        | Cable          |
|------------------|--------------|----------------|
| <b>OC</b>        | <b>14G</b>   | <b>5C</b>      |
| OC Outdoor Cable | 14G 14 Gauge | 5C 5 Conductor |



## POWER CABLE CONNECTOR WET LOCATION

The flexible power cable connector is designed to work in outdoor environments for safe and reliable connections. This Flexible Connector is easy to install and configure, helping you create innovative lighting designs in an outdoor commercial or residential space.

| Product                     | Type                          | Size              | Option         |
|-----------------------------|-------------------------------|-------------------|----------------|
| <b>SS</b>                   | <b>CFX</b>                    | <b>12IN</b>       | <b>W</b>       |
| SS Soft Strip and Flex Neon | CFX Flexible 4 Wire Connector | 12IN 12" 96IN 96" | W Wet Location |

|         |  |              |  |      |  |
|---------|--|--------------|--|------|--|
| PROJECT |  | FIXTURE TYPE |  | DATE |  |
|---------|--|--------------|--|------|--|

**TM30 DATA**

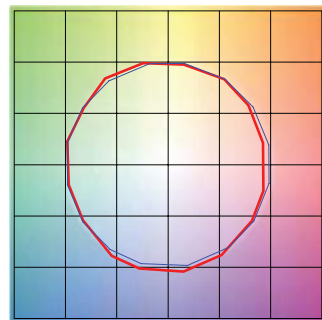
24VDC OUTDOOR 5W | 7W STATIC WHITE, WARM DIM &amp; TUNABLE WHITE

REV 12.10.21

**TM-30-15 DATA:** The data below is for ST2A, ST5A, ST7A and ST10A bare LED Soft Strips. Consistent color temperatures throughout a single strip and among multiple strips is possible through a 3 phase binning process in which each order is inspected with a color meter to ensure uniformity.

**2200K** | Rf: 90.5 | Rg: 99.9

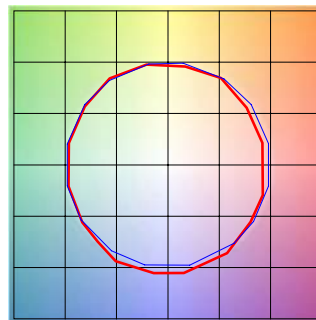
Color Vector Graphic


■ Test ■ Reference

| GRAPHIC SHIFTS % |      |        |        |
|------------------|------|--------|--------|
| HUE BIN          | Rf   | CHROMA | HUE    |
| 1                | 88.3 | -5.2%  | 1.0%   |
| 2                | 90.1 | -3.6%  | 3.7%   |
| 3                | 87.5 | -0.5%  | 5.6%   |
| 4                | 93.9 | -1.2%  | 1.3%   |
| 5                | 94.7 | 0.7%   | 2.1%   |
| 6                | 93.7 | 2.6%   | 0.7%   |
| 7                | 93.5 | -1.5%  | -2.2%  |
| 8                | 97.8 | -0.4%  | -0.2%  |
| 9                | 93.7 | -1.5%  | 2.4%   |
| 10               | 90.8 | -0.8%  | 4.9%   |
| 11               | 89.3 | 3.7%   | 5.4%   |
| 12               | 90.2 | 4.6%   | 1.0%   |
| 13               | 89.0 | 4.4%   | -9.7%  |
| 14               | 75.4 | 0.6%   | -15.1% |
| 15               | 90.7 | -1.7%  | -5.0%  |
| 16               | 84.2 | -4.4%  | -9.1%  |

**2400K** | Rf: 90.2 | Rg: 99.3

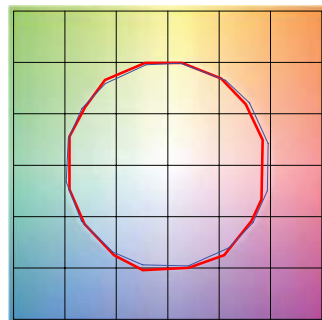
Color Vector Graphic


■ Test ■ Reference

| GRAPHIC SHIFTS % |      |        |        |
|------------------|------|--------|--------|
| HUE BIN          | Rf   | CHROMA | HUE    |
| 1                | 89.0 | -4.8%  | 1.1%   |
| 2                | 90.4 | -3.7%  | 3.2%   |
| 3                | 88.1 | -0.7%  | 5.2%   |
| 4                | 93.0 | -2.1%  | 0.9%   |
| 5                | 94.5 | -0.1%  | 2.0%   |
| 6                | 94.7 | 1.7%   | 0.6%   |
| 7                | 93.7 | -1.9%  | -1.5%  |
| 8                | 96.8 | -1.2%  | 0.2%   |
| 9                | 91.9 | -1.8%  | 3.7%   |
| 10               | 88.8 | -0.9%  | 6.1%   |
| 11               | 87.5 | 3.8%   | 7.1%   |
| 12               | 89.6 | 4.3%   | 0.3%   |
| 13               | 88.1 | 4.2%   | -9.1%  |
| 14               | 82.5 | 2.8%   | -10.6% |
| 15               | 91.4 | -2.1%  | -4.2%  |
| 16               | 84.0 | -3.6%  | -9.9%  |

**2700K** | Rf: 89.5 | Rg: 98.3

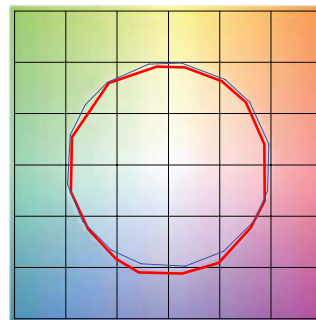
Color Vector Graphic


■ Test ■ Reference

| GRAPHIC SHIFTS % |      |        |        |
|------------------|------|--------|--------|
| HUE BIN          | Rf   | CHROMA | HUE    |
| 1                | 88.6 | -5.2%  | 0.9%   |
| 2                | 90.3 | -3.6%  | 2.9%   |
| 3                | 88.4 | -1.5%  | 5.0%   |
| 4                | 91.9 | -2.5%  | 1.4%   |
| 5                | 93.5 | -0.9%  | 2.3%   |
| 6                | 95.7 | 0.9%   | -0.4%  |
| 7                | 91.1 | -3.7%  | -0.5%  |
| 8                | 95.8 | -2.0%  | 0.4%   |
| 9                | 90.5 | -2.6%  | 4.5%   |
| 10               | 84.9 | -1.1%  | 8.7%   |
| 11               | 85.0 | 2.3%   | 9.8%   |
| 12               | 88.1 | 5.5%   | 1.5%   |
| 13               | 90.9 | 2.9%   | -5.2%  |
| 14               | 86.2 | 4.3%   | -8.9%  |
| 15               | 90.7 | -2.4%  | -3.6%  |
| 16               | 83.0 | -2.7%  | -11.3% |

**3000K** | Rf: 88.7 | Rg: 98.2

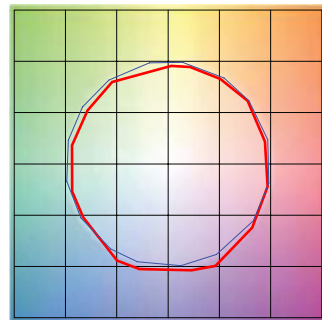
Color Vector Graphic


■ Test ■ Reference

| GRAPHIC SHIFTS % |      |        |        |
|------------------|------|--------|--------|
| HUE BIN          | Rf   | CHROMA | HUE    |
| 1                | 88.3 | -5.2%  | 0.8%   |
| 2                | 90.2 | -3.7%  | 2.7%   |
| 3                | 88.3 | -1.6%  | 4.9%   |
| 4                | 92.2 | -2.0%  | 1.8%   |
| 5                | 91.0 | -3.5%  | 1.8%   |
| 6                | 95.8 | 0.4%   | -0.4%  |
| 7                | 90.2 | -4.4%  | -0.0%  |
| 8                | 94.8 | -2.6%  | 0.8%   |
| 9                | 89.2 | -2.9%  | 6.0%   |
| 10               | 81.4 | -1.5%  | 9.7%   |
| 11               | 82.9 | 2.3%   | 10.5%  |
| 12               | 88.3 | 6.7%   | 1.9%   |
| 13               | 91.9 | 2.8%   | -4.0%  |
| 14               | 86.3 | 4.9%   | -8.3%  |
| 15               | 87.1 | -1.2%  | -6.1%  |
| 16               | 83.2 | -1.7%  | -11.6% |

**3500K** | Rf: 88.1 | Rg: 97.1

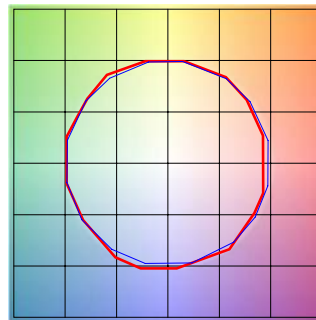
Color Vector Graphic


■ Test ■ Reference

| GRAPHIC SHIFTS % |      |        |       |
|------------------|------|--------|-------|
| HUE BIN          | Rf   | CHROMA | HUE   |
| 1                | 87.8 | -5.2%  | 1.0%  |
| 2                | 90.8 | -3.3%  | 2.3%  |
| 3                | 89.8 | -1.6%  | 3.9%  |
| 4                | 91.0 | -2.7%  | 0.9%  |
| 5                | 90.0 | -5.4%  | 0.7%  |
| 6                | 95.6 | -0.9%  | -0.4% |
| 7                | 90.0 | -5.3%  | 1.4%  |
| 8                | 91.8 | -3.6%  | 3.0%  |
| 9                | 87.1 | -2.9%  | 7.3%  |
| 10               | 80.1 | -1.3%  | 12.2% |
| 11               | 81.8 | 4.1%   | 10.5% |
| 12               | 88.2 | 5.1%   | 2.3%  |
| 13               | 92.4 | 2.1%   | -3.8% |
| 14               | 86.6 | 5.0%   | -7.9% |
| 15               | 86.2 | -0.7%  | -6.8% |
| 16               | 84.5 | -2.1%  | -7.0% |

**2700D** | Rf: 90.7 | Rg: 101.1

Color Vector Graphic


■ Test ■ Reference

| GRAPHIC SHIFTS % |      |        |        |
|------------------|------|--------|--------|
| HUE BIN          | Rf   | CHROMA | HUE    |
| 1                | 90.9 | -4.1%  | 1.1%   |
| 2                | 91.8 | -2.2%  | 3.2%   |
| 3                | 89.0 | 0.2%   | 5.0%   |
| 4                | 92.9 | -1.1%  | 0.8%   |
| 5                | 93.9 | 1.1%   | 1.7%   |
| 6                | 93.3 | 3.3%   | 0.0%   |
| 7                | 93.1 | -0.5%  | -1.9%  |
| 8                | 97.2 | -0.3%  | -0.9%  |
| 9                | 93.4 | -1.0%  | 3.2%   |
| 10               | 89.9 | -0.1%  | 5.6%   |
| 11               | 87.0 | 4.7%   | 7.2%   |
| 12               | 89.2 | 5.8%   | -0.2%  |
| 13               | 89.1 | 3.5%   | -6.7%  |
| 14               | 86.3 | 4.1%   | -9.2%  |
| 15               | 91.4 | -2.0%  | -3.6%  |
| 16               | 84.7 | -2.1%  | -10.3% |

|         |  |              |  |      |  |
|---------|--|--------------|--|------|--|
| PROJECT |  | FIXTURE TYPE |  | DATE |  |
|---------|--|--------------|--|------|--|

# TM30 DATA

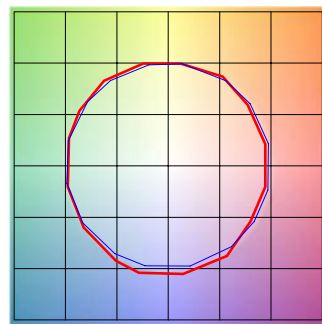
24VDC OUTDOOR 5W | 7W STATIC WHITE, WARM DIM & TUNABLE WHITE

REV 12.10.21

**TM-30-15 DATA:** The data below is for ST2A, ST5A, ST7A and ST10A bare LED Soft Strips. Consistent color temperatures throughout a single strip and among multiple strips is possible through a 3 phase binning process in which each order is inspected with a color meter to ensure uniformity.

**3000D** | Rf: 90.6 | Rg: 101.1

Color Vector Graphic

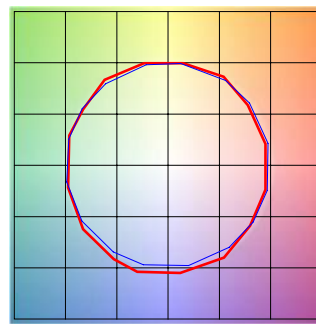


■ Test ■ Reference

|         |      | GRAPHIC SHIFTS % |        |
|---------|------|------------------|--------|
| HUE BIN | Rf   | CHROMA           | HUE    |
| 1       | 91.5 | -3.5%            | 1.3%   |
| 2       | 92.2 | -1.8%            | 3.0%   |
| 3       | 89.3 | 0.5%             | 4.8%   |
| 4       | 92.7 | -1.1%            | 0.6%   |
| 5       | 93.3 | 0.5%             | 1.4%   |
| 6       | 93.8 | 2.7%             | -0.8%  |
| 7       | 91.2 | -2.1%            | -0.2%  |
| 8       | 97.0 | -0.5%            | -0.7%  |
| 9       | 92.5 | -0.7%            | 3.8%   |
| 10      | 88.3 | 0.9%             | 7.1%   |
| 11      | 87.5 | 3.9%             | 7.6%   |
| 12      | 88.2 | 6.2%             | -0.2%  |
| 13      | 89.9 | 3.4%             | -6.0%  |
| 14      | 86.9 | 4.4%             | -8.5%  |
| 15      | 91.9 | -1.9%            | -2.9%  |
| 16      | 84.7 | -1.3%            | -10.6% |

**3000K (2K6K/27K6)** | Rf: 90.5 | Rg: 100.7

Color Vector Graphic

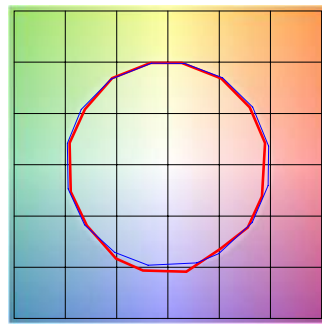


■ Test ■ Reference

|         |      | GRAPHIC SHIFTS % |        |
|---------|------|------------------|--------|
| HUE BIN | Rf   | CHROMA           | HUE    |
| 1       | 91.5 | -3.5%            | 1.2%   |
| 2       | 92.4 | -1.8%            | 2.7%   |
| 3       | 89.8 | 0.3%             | 4.5%   |
| 4       | 92.4 | -1.7%            | 0.4%   |
| 5       | 93.3 | -0.1%            | 1.4%   |
| 6       | 94.5 | 2.1%             | -0.6%  |
| 7       | 91.0 | -2.5%            | 0.3%   |
| 8       | 96.9 | -0.8%            | -0.2%  |
| 9       | 91.6 | -0.9%            | 4.6%   |
| 10      | 86.7 | 0.7%             | 7.8%   |
| 11      | 86.3 | 3.8%             | 8.5%   |
| 12      | 88.3 | 6.1%             | 0.6%   |
| 13      | 90.9 | 3.1%             | -5.2%  |
| 14      | 87.3 | 4.7%             | -7.9%  |
| 15      | 92.1 | -1.9%            | -2.5%  |
| 16      | 84.5 | -0.9%            | -10.9% |

**2000K ONLY (2K6K/27K6)** | Rf: 90.6 | Rg: 98.5

Color Vector Graphic

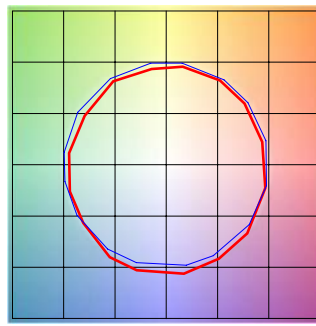


■ Test ■ Reference

|         |      | GRAPHIC SHIFTS % |        |
|---------|------|------------------|--------|
| HUE BIN | Rf   | CHROMA           | HUE    |
| 1       | 87.7 | -5.5%            | 1.2%   |
| 2       | 88.7 | -3.9%            | 4.2%   |
| 3       | 90.5 | -1.5%            | 4.3%   |
| 4       | 95.0 | -1.7%            | 0.8%   |
| 5       | 95.2 | -0.2%            | 2.1%   |
| 6       | 94.2 | 1.6%             | 1.9%   |
| 7       | 95.9 | -0.8%            | -2.2%  |
| 8       | 95.5 | -1.7%            | 1.3%   |
| 9       | 93.8 | -1.4             | 2.6%   |
| 10      | 91.9 | -0.7%            | 4.2%   |
| 11      | 91.3 | 3.6%             | 3.7%   |
| 12      | 91.2 | 4.2%             | -1.0%  |
| 13      | 86.6 | 3.8%             | -12.7% |
| 14      | 67.2 | -3.0%            | -16.3% |
| 15      | 84.9 | -3.3%            | -9.4%  |
| 16      | 84.2 | -5.7%            | -7.5%  |

**4000K ONLY (2K6K/27K6)** | Rf: 86.4 | Rg: 96.1

Color Vector Graphic

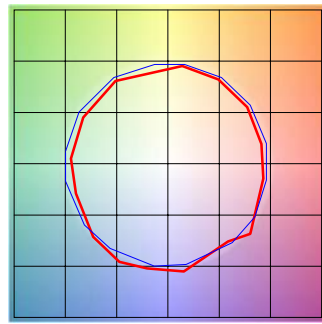


■ Test ■ Reference

|         |      | GRAPHIC SHIFTS % |       |
|---------|------|------------------|-------|
| HUE BIN | Rf   | CHROMA           | HUE   |
| 1       | 86.5 | -5.5%            | 1.3%  |
| 2       | 90.4 | -3.0%            | 2.3%  |
| 3       | 89.8 | -2.1%            | 3.6%  |
| 4       | 89.1 | -3.4%            | 0.4%  |
| 5       | 88.5 | -5.9%            | 0.1%  |
| 6       | 93.6 | -3.0%            | -0.4% |
| 7       | 88.9 | -6.2%            | 1.7%  |
| 8       | 87.3 | -5.0%            | 4.9%  |
| 9       | 82.4 | -3.6%            | 11.3% |
| 10      | 77.4 | -1.8%            | 12.7% |
| 11      | 79.8 | 4.9%             | 11.4% |
| 12      | 88.7 | 4.4%             | 2.7%  |
| 13      | 88.7 | 4.0%             | -5.1% |
| 14      | 91.2 | 2.2%             | -3.8% |
| 15      | 82.7 | -0.1%            | -9.2% |
| 16      | 82.8 | -2.2%            | -7.6% |

**6500K ONLY (2K6K/27K6)** | Rf: 86.8 | Rg: 96.8

Color Vector Graphic



■ Test ■ Reference

|         |      | GRAPHIC SHIFTS % |        |
|---------|------|------------------|--------|
| HUE BIN | Rf   | CHROMA           | HUE    |
| 1       | 86.5 | -4.7%            | 0.8%   |
| 2       | 91.9 | -2.5%            | 3.1%   |
| 3       | 91.2 | -2.0%            | 1.9%   |
| 4       | 91.2 | -1.6%            | 1.4%   |
| 5       | 85.7 | -6.2%            | -0.9%  |
| 6       | 92.9 | -3.5%            | -1.0%  |
| 7       | 92.1 | -4.7%            | 0.7%   |
| 8       | 85.2 | -5.8%            | 4.9%   |
| 9       | 82.8 | -6.2%            | 14.3%  |
| 10      | 77.1 | -0.7%            | 15%    |
| 11      | 72.1 | 5.8%             | 14.1%  |
| 12      | 91.6 | 4.0%             | 1.0%   |
| 13      | 89.9 | 5.6%             | -2.3%  |
| 14      | 90.5 | -1.8%            | -3.7%  |
| 15      | 81.6 | 6.5%             | -13.9% |
| 16      | 92.8 | -3.6%            | -0.4%  |

|         |  |              |  |      |  |
|---------|--|--------------|--|------|--|
| PROJECT |  | FIXTURE TYPE |  | DATE |  |
|---------|--|--------------|--|------|--|

# UPRA-10001

## Prague 1 Small Bollard



L20

**LIGMAN**  
LIGHTING USA



8w LED  
855 Lumens

IP65  
Suitable for wet locations

IK08  
Impact Resistant [ Vandal Resistant]

Weight - 6.6 lbs



### Construction

#### Aluminum

Less than 0.1% copper content - Marine Grade 6060 extruded & LM6 Aluminum High Pressure die casting provides excellent mechanical strength, clean detailed product lines and excellent heat dissipation.

#### Pre paint

8 step degrease and phosphate process that includes deoxidizing and etching as well as a zinc and nickel phosphate process before product painting.

#### Memory Retentive -Silicon Gasket

Provided with special injection molded "fit for purpose" long life high temperature memory retentive silicon gaskets. Maintains the gaskets exact profile and seal over years of use and compression.

#### Thermal management

LM6 Aluminum is used for its excellent mechanical strength and thermal dissipation properties in low and high ambient temperatures. The superior thermal heat sink design by Ligman used in conjunction with the driver, controls thermals below critical temperature range to ensure maximum luminous flux output, as well as providing long LED service life and ensuring less than 10% lumen depreciation at 50,000 hours.

#### Surge Suppression

Standard 10kv surge suppressor provided with all fixtures.

#### BUG Rating

B0 - U0 - G0

#### Finishing

All Ligman products go through an extensive finishing process that includes fettling to improve paint adherence.

#### Paint

UV Stabilized 4.9Mil thick powder coat paint and baked at 200 Deg C. This process ensures that Ligman products can withstand harsh environments. Rated for use in natatoriums.

#### Inspired by Nature Finishes

The Inspired by nature Finishing is a unique system of decorative powder coating. Our metal decoration process can easily transform the appearance of metal or aluminum product into a wood grain finish.

This patented technology enables the simulation of wood grain, and even marble or granite finish through the use of decorative powder coating.

The wood grain finish is so realistic that it's almost undistinguishable from real wood, even from a close visual inspection. The system of coating permeates the entire thickness of the coat and as a result, the coating cannot be removed by normal rubbing, chipping, or scratching.

#### The Coating Process

After pre-treatment the prepared parts are powder coated with a specially formulated polyurethane powder. This powder provides protection against wear, abrasion, impact and corrosion and acts as the relief base color for the finalized metal decoration.

The component is then wrapped with a sheet of non-porous film with the selected decoration pattern printed on it using special high temperature inks.

This printed film transfer is vacuum-sealed to the surface for a complete thermo print and then transferred into a customized oven. The oven transforms the ink into different forms within the paint layer before it becomes solid. Finally, the film is removed, and a vivid timber look on aluminum remains.

Wood grain coating can create beautiful wood-looking products of any sort. There are over 300 combinations of designs currently in use. Wood grains can be made with different colors, designs, etc.

Our powder coatings are certified for indoor and outdoor applications and are backed by a comprehensive warranty. These coatings rise to the highest conceivable standard of performance excellence and design innovation.

#### Added Benefits

- Resistance to salt-acid room, accelerated aging
- Boiling water, lime and condensed water resistant
- Anti-Graffiti, Anti-Slip, Anti-Microbial, Anti-Scratch
- Super durable (UV resistant)
- TGIC free (non-toxic)

#### Hardware

Provided Hardware is Marine grade 316 Stainless steel.

#### Anti Seize Screw Holes

Tapped holes are infused with a special anti seize compound designed to prevent seizure of threaded connections, due to electrolysis from heat, corrosive atmospheres and moisture.

#### Crystal Clear Low Iron Glass Lens

Provided with tempered, impact resistant crystal clear low iron glass ensuring no green glass tinge.

#### Optics & LED

Precise optic design provides exceptional light control and precise distribution of light. LED CRI > 80

#### Lumen - Maintenance Life

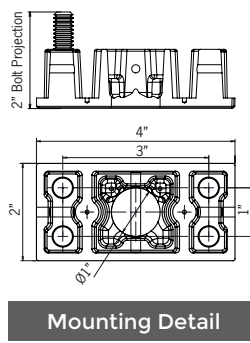
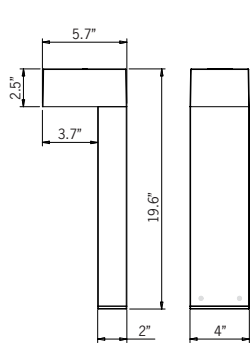
L80 /B10 at 50,000 hours (This means that at least 90% of the LED still achieve 80% of their original flux)

**A new contemporary bollard design family, meeting Dark Sky requirements, utilizing MicroVos Technology to get maximum spacing and excellent uniformity.**

Small, medium and large size LED bollards incorporate optional symmetrical and asymmetrical light distributions, in a variety of different heights. Clean architectural design with no visible hardware, at the top of the luminaire are the further characteristics of this bollard. Ideal for lighting pathways, entrances, square, and terraces.

Color temperature from 2700K, 3000K, 3500K and 4000K, LED CRI >80. Aluminum housing and extruded aluminium column with high corrosion resistance. Stainless steel fasteners in grade 316. Durable silicone rubber gasket and clear toughened glass. Powder coating with high corrosion resistance and chemical chromatized protection.

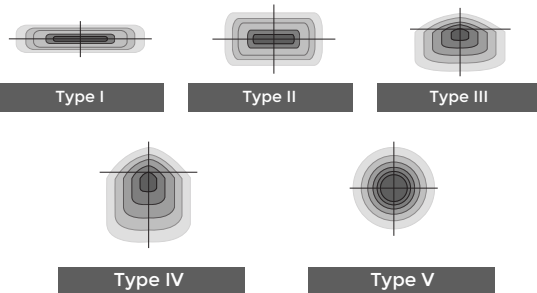
The Prague has been IDA Dark Sky certified for cct's of 3000K or lower.



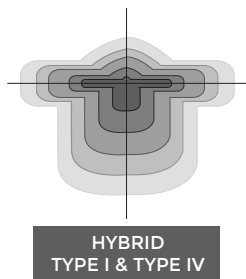
Mounting Detail



Ligman's micro Variable Optical System provides the ability to interchange, mix & rotate optics to provide specific light distributions for optimized spacing and uniformity.



The variable optic system allows for the designer to create hybrid distributions for precise lighting requirements.



HYBRID  
TYPE I & TYPE IV



# UPRA-10001

## Prague 1 Small Bollard



|                 |  |             |  |             |             |  |
|-----------------|--|-------------|--|-------------|-------------|--|
| <b>PROJECT</b>  |  |             |  |             | <b>DATE</b> |  |
| <b>QUANTITY</b> |  | <b>TYPE</b> |  | <b>NOTE</b> |             |  |

ORDERING EXAMPLE || UPRA - 10001 - 8w - T2 - W30 - 02 - 120/277v - Options

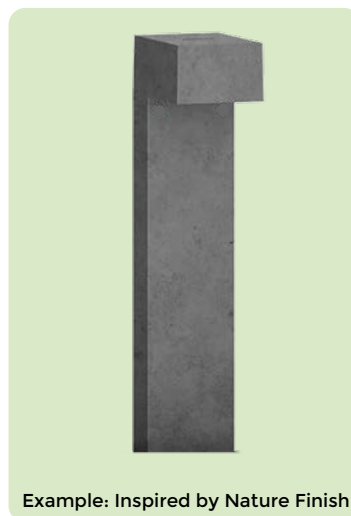
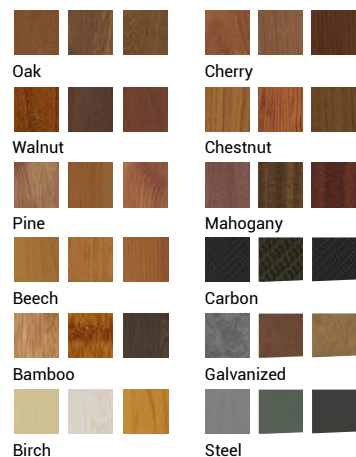
|  |  |  |   |                             |   |
|--|--|--|---|-----------------------------|---|
| <b>UPRA-10001</b>  |  |  |   |                             |   |
|  | <b>LAMP</b>  | <b>BEAM</b>  | <b>LED COLOR</b>  | <b>FINISH COLOR</b>         | <b>VOLTAGE</b>                                    |
| 8w LED<br>855 Lumens   | T1 - Type I Distribution<br>T2 - Type II Distribution<br>T3 - Type III Distribution<br>T4 - Type IV Distribution<br>M - Medium 32°<br>W - Wide 52°<br>VW - Very Wide 65°<br>EW - Extra Wide 108°<br><br> | W27 - 2700K<br>W30 - 3000K<br>W35 - 3500K<br>W40 - 4000K | 01 - BLACK RAL 9011<br>02 - DARK GREY RAL 7043<br>03 - WHITE RAL 9003<br>04 - METALLIC SILVER RAL 9006<br>05 - MATTE SILVER RAL 9006<br>06 - LIGMAN BRONZE<br>07 - CUSTOM RAL | 120/277v<br>Other - Specify |   |
| <b>INSPIRED BY NATURE FINISHES</b><br>SW01 - OAK FINISH<br>SW02 - WALNUT FINISH<br>SW03 - PINE FINISH<br>DF - DOUGLAS FIR FINISH<br>CW - CHERRY WOOD FINISH<br>NW - NATIONAL WALNUT FINISH<br>SU01 - CONCRETE FINISH<br>SU02 - SOFTSCAPE FINISH<br>SU03 - STONE FINISH<br>SU04 - CORTEN FINISH |  |  |   |                             | THERE IS AN ADDITIONAL<br>COST FOR THESE FINISHES |

|  |  |  |
|--|--|--|
|  |  |  |
|--|--|--|

### ADDITIONAL OPTIONS

NAT - Natatorium Rated  
 HCT - Custom Bollard Height  
 FNF - Front Face Nature Finish

**Custom Finishes Available Upon Request**  
 Consult factory for pricing and lead times



# Prague Product Family



## Twiggy, terra

by Marc Sadler



### DESCRIPTION

The elastic and coloured graphic appeal of Twiggy is an unmistakable sign in space, an exemplary marriage between the designer's eclectic creativity and Foscarini's research in the field of materials and technologies. Suspended on a detachable rod made of composite material, flexible like a fishing rod, heightadjustable using a system of counterweights, Twiggy is a simple and genius idea, which has become an Foscarini icon and awarded outstanding success among both the public and the critics. The diffuser guarantees direct lighting in the area underneath the lamp and - thanks to the transparency of the upper protection disk - diffuses a cosy ambient light. This lighting emotion is also vouched by Led version - affording high energy efficiency levels and durability - completely re-engineered in terms of lighting technology especially to ensure the same intensity, diffusion and temperature as the light produced by the original version.

### MATERIALS

Coated fiberglass-based composite material, PMMA, polycarbonate, coated metal and aluminium (LED)

### COLORS

Black, Greige, Crimson, White, Graphite

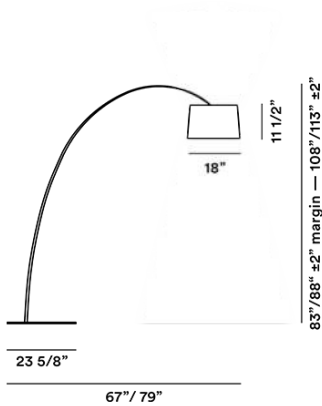
# Twiggy, terra

technical details

Floor lamp with direct and indirect light. Diffuser and rod made of fibreglass-based composite material and liquid coated. Translucent polycarbonate upper diffuser disc, PMMA lower diffuser disc with polyprismatic internal surface. Epoxy powder coated metal round base. Supplied with 4 counter-weights to be inserted in the purpose-provided seat above the diffuser to adjust its height. For LED version the circuit boards were purpose-designed by Foscarini, to achieve a superior level of color rendering (CRI) and retaining the same colour temperature as a halogen light source (Kelvin). The two LED circuit boards are installed on an aluminium disc that acts as a dissipator, and the upper board is protected by a small PMMA disc. Additional arc-extending rods available upon request; the black cable is fitted with a dimmer which can be used both to adjust the level of luminous intensity gradually or as the ON/OFF switch.

## Twiggy

### SCHEMATIC & LIGHT EMISSION



### MATERIAL

Coated fiberglass-based composite material, PMMA, polycarbonate, coated metal and aluminium (LED)

### COLORS



### ACCESSORIES

Twiggy

### LIGHT SOURCE

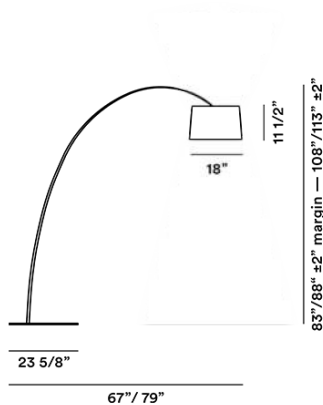
HALO  
100WE26

### CERTIFICATIONS



Twiggy LED

SCHEMATIC & LIGHT EMISSION



MATERIAL

Coated fiberglass-based composite material, PMMA, polycarbonate, coated metal and aluminium (LED)

LIGHT SOURCE

LED  
34W  
2700 K 3840 lm CRI>90

COLORS



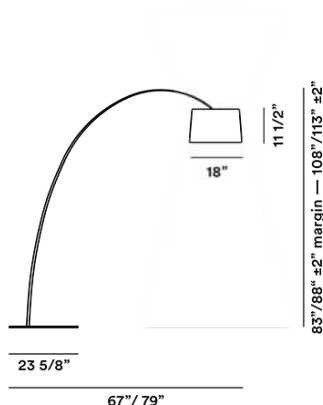
ACCESSORIES

Twiggy

CERTIFICATIONS

Twiggy LED MyLight

SCHEMATIC & LIGHT EMISSION



MATERIAL

Coated fiberglass-based composite material, PMMA, polycarbonate, coated metal and aluminium (LED)

LIGHT SOURCE

Doesn't apply to 120V

COLORS



ACCESSORIES

Twiggy

CERTIFICATIONS

## Twiggy, terra

Designer

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### MARC SADLER

Marc Sadler boasts lengthy experience as an industrial designer in the field of sports, which has often led him to experiment with new materials and innovative production processes.

This innovative and experimental approach has become his *modus operandi*, even when he designs for sectors which are traditionally more focused on the styling component. He has won four Compassi d'Oro ADI, including the one for Mite and Tite in 2001, for projects which have become genuine icons in the Foscarini collection, together with Kite, Twiggy, Tress and Jamaica, each one marked by technological and styling innovation.



Twiggy, terra  
family



Twiggy Wood



Twiggy Elle



Twiggy Wood



Twiggy Grid XL



Twiggy Grid Lettura



Twiggy Grid



Twiggy Grid



Twice as Twiggy



Twice as Twiggy



Twiggy



Twiggy



Twiggy Lettura