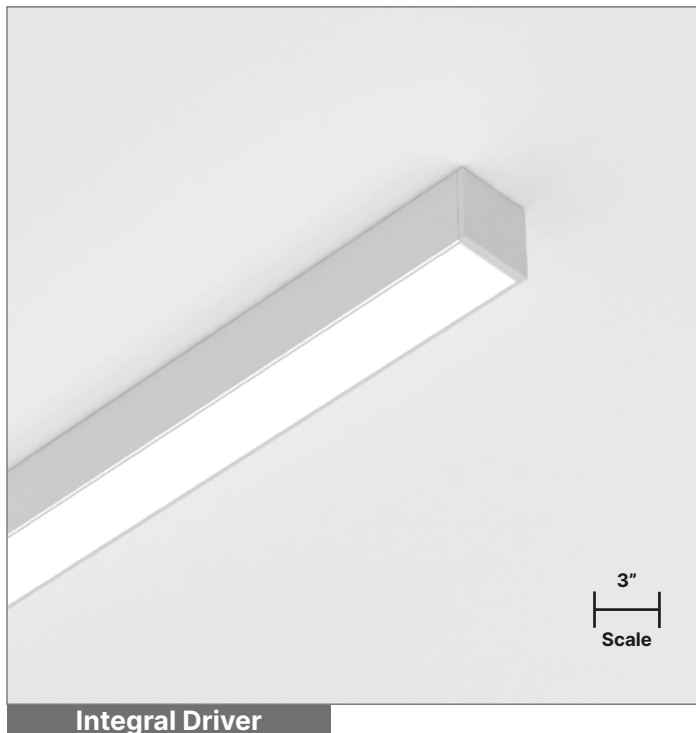


# PROSquare3 Surface

## 3" High-Performance Linear LED Surface Mount



### Features & Benefits

#### Exceptional Performance

Up to 1,500 lm/ft, 150 lm/W efficacy

#### Wide Range of LED Selections

Static, Tunable White, and Dim-to-Warm

#### Designed with Options

Wide choice of SmartOptic® lenses, beam distributions, 80/90/95+ CRI, 2200K to 5000K CCT, and 0-10V, DALI, DMX, and TRIAC dimming

#### Patented Innovations

Fusion® Optix Inside with unique SmartBeam® capabilities

#### Proprietary Optical Components

Provides excellent light distribution and high-transmission

#### Committed to Sustainability

Declare Listed and Red Free List materials

#### Compliance

UL Listed, Dry and Damp Locations

#### 5-Year Warranty

Standard 5-year warranty, 50,000 hours

Designed & Built in  
**BOSTON**

**Declare**



## FIXTURE ORDERING

Project Name

### 1) FIXTURE DESIGN

Fixture Type

| PRODUCT                                      | LENGTH |               | FINISH      |                       | END CAP   |              | OPTIC      |            |
|--|--------|---------------|-------------|-----------------------|-----------|--------------|------------|------------|
| <b>PSQ3-S</b>                                |        |               |             |                       |           |              |            |            |
| 3" High-Performance Linear LED Surface Mount | 2      | 2'            | <b>MWH</b>  | Matte White (RAL9003) | <b>E1</b> | Flat End Cap | <b>OFL</b> | Flush Lens |
|  | 4      | 4'            | <b>MBK</b>  | Matte Black (RAL9005) |           |              |            |            |
|  | 6      | 6'            | <b>MGR</b>  | Matte Gray (RAL7001)  |           |              |            |            |
|  | 8      | 8'            | <b>CAE</b>  | Clear Anodized Effect |           |              |            |            |
|  | 10     | 10'           | <b>RAL_</b> | Specify RAL#          |           |              |            |            |
|  | X_     | Specify X, Y" |             |                       |           |              |            |            |

### 2) LED LIGHT ENGINE

| CRI          |                    | CCT          |                            | DIRECT BEAM PATTERN |                            | DIRECT OUTPUT |               |
|--------------|--------------------|--------------|----------------------------|---------------------|----------------------------|---------------|---------------|
|              |                    |              |                            |                     |                            |               |               |
| <b>S80</b>   | Std. 80 CRI        | <b>22</b>    | 2200K                      | <b>DLAM</b>         | Lambertian                 | <b>35</b>     | 350 lm/ft     |
| <b>S90</b>   | Std. 90 CRI        | <b>27</b>    | 2700K                      | <b>DBW60</b>        | Batwing 60°                | <b>50</b>     | 500 lm/ft     |
| <b>HE80</b>  | High-Eff. 80 CRI   | <b>30</b>    | 3000K                      | <b>DDA70</b>        | Double Asymmetric 70°      | <b>75</b>     | 750 lm/ft     |
| <b>HE90</b>  | High-Eff. 90 CRI   | <b>35</b>    | 3500K                      | <b>DA5025</b>       | Asymmetric 50° at 25° Tilt | <b>100</b>    | 1,000 lm/ft   |
| <b>HD95</b>  | High-Def. 95 CRI   | <b>40</b>    | 4000K                      | <b>DA4005</b>       | Asymmetric 40° at 5° Tilt  | <b>125</b>    | 1,250 lm/ft   |
| <b>SUN</b>   | Full SunLike       | <b>50</b>    | 5000K                      | <b>DM55</b>         | Medium 55°                 | <b>150</b>    | 1,500 lm/ft   |
| <b>SBIOS</b> | Static BIOS        | <b>3022D</b> | 3000K to 2200K Dim-to-Warm | <b>DN40</b>         | Narrow 40°                 | <b>X_</b>     | Specify lm/ft |
| <b>DBIOS</b> | Dynamic BIOS       | <b>3527D</b> | 3500K to 2700K Dim-to-Warm | <b>X_</b>           | Specify Beam               |               |               |
| <b>TBIOS</b> | Tunable White BIOS | <b>X_</b>    | Specify CCT                |                     |                            |               |               |

### 3) FIXTURE POWER & CONTROLS

| LINE VOLTAGE (DC) |          | INTEGRAL DRIVER (POWER) |                        | EMERGENCY BACKUP |                                    | CONTROL SYSTEM <sup>1</sup> |                        |
|-------------------|----------|-------------------------|------------------------|------------------|------------------------------------|-----------------------------|------------------------|
|                   |          |                         |                        |                  |                                    |                             |                        |
| <b>UNV</b>        | 120/277V | <b>FDND</b>             | Factory Non-Dimming    | <b>NN</b>        | Not Needed                         | <b>NN</b>                   | Not Needed             |
| <b>347</b>        | 347V     | <b>FD01</b>             | Factory 0-10V 1% Dim   | <b>EMC</b>       | Emergency Circuit                  | <b>LUT</b>                  | Lutron                 |
|                   |          | <b>FD10</b>             | Factory 0-10V 10% Dim  | <b>EMB</b>       | Emergency Battery (10 W — Onboard) | <b>COO</b>                  | Cooper                 |
|                   |          | <b>FDDA</b>             | Factory DALI 0.1% Dim  | <b>X_</b>        | Specify Backup                     | <b>CAS</b>                  | Casambi                |
|                   |          | <b>FDDX</b>             | Factory DMX Dim        |                  |                                    | <b>X_</b>                   | Specify Control System |
|                   |          | <b>FDTR</b>             | Factory TRIAC Dim      |                  |                                    |                             |                        |
|                   |          | <b>LD01</b>             | Lutron Hi-Lume 1% Dim  |                  |                                    |                             |                        |
|                   |          | <b>LD05</b>             | Lutron 5-Series 5% Dim |                  |                                    |                             |                        |
|                   |          | <b>ED00</b>             | eldoLED 0-10V 0.1% Dim |                  |                                    |                             |                        |
|                   |          | <b>ED01</b>             | eldoLED 0-10V 1% Dim   |                  |                                    |                             |                        |
|                   |          | <b>EDDA</b>             | eldoLED DALI 0.1% Dim  |                  |                                    |                             |                        |
|                   |          | <b>X_</b>               | Specify Driver         |                  |                                    |                             |                        |

### 4) FIXTURE MOUNTING & CONNECTIONS

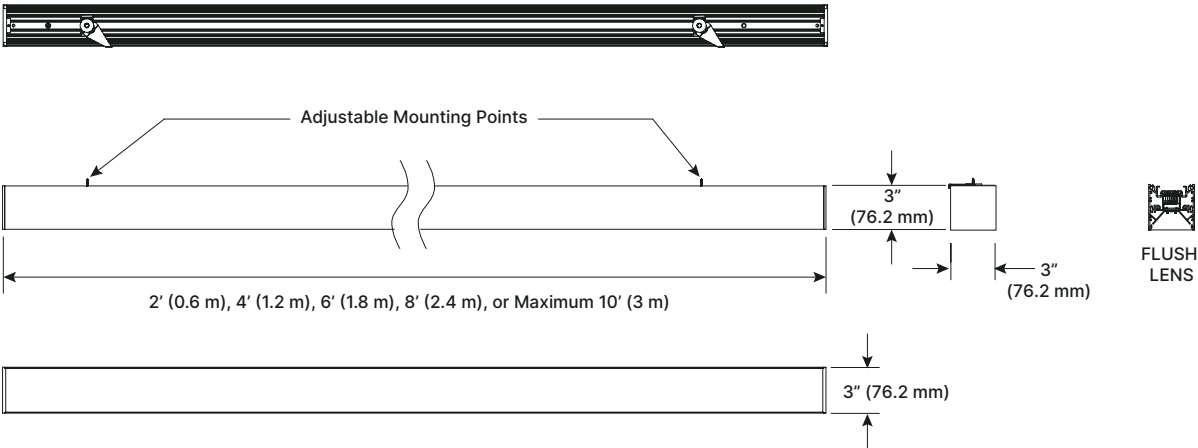
| MOUNTING TYPE |                             | POWER CORD   |                     | MOUNTING KIT |  |
|---------------|-----------------------------|--------------|---------------------|--------------|--|
|               |                             |              |                     |              |  |
| <b>SC1</b>    | Surface Mount Clip          | <b>S24WH</b> | 24" White Cable Kit | <b>SSMB</b>  | Stainless Steel Surface Mounting Bracket |
| <b>T1</b>     | 9/16" Flat T-Bar Mount      | <b>S24BK</b> | 24" Black Cable Kit |              |  |
| <b>T2</b>     | 9/16" Bolt Slot T-Bar Mount |              |                     |              |  |
| <b>T3</b>     | 15/16" Flat T-Bar Mount     |              |                     |              |  |

### NOTES

Footnote: <sup>1</sup> The control system and driver must be compatible.

FIXTURE DESIGN

Dimensions




To download BIM (Revit) Files, please click or scan the QR Code.

Length


Length Options 2, 4, 6, 8, 10' nominal, or custom within 3"

Finish


Housing Colors (Matte Finish)




White (RAL9003)




Black (RAL9005)



Gray (RAL7001)



Clear Anodized Effect



Custom RAL

Housing Material 6063-T5 extruded, recycled aluminum

Mounting Brackets Sheet metal

End Cap

End Cap Option Flat

End Cap Material Machined or cast aluminum

Optic

Lens Option Flush

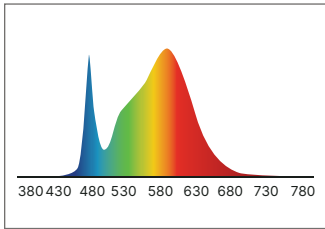
Lens Material Patented SmartOptics® made from Acrylic (PMMA)

Voltage

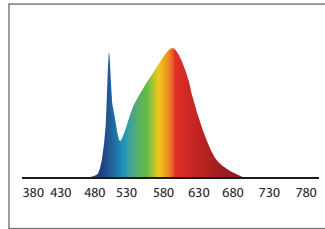
Fixture Voltage (AC) 120–277 VAC and 347 VAC, 50/60 Hz

## LED SELECTION GUIDE

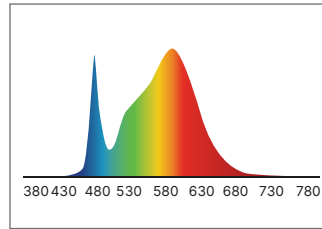
**S80: Standard 80+ CRI**



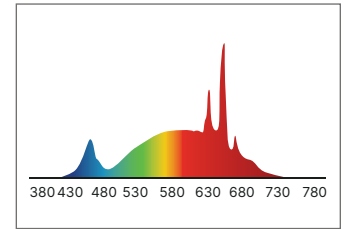
**S90: Standard 90+ CRI**



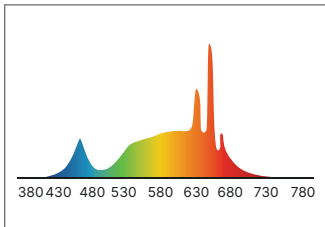
**HE80: High-Efficiency 80+ CRI**



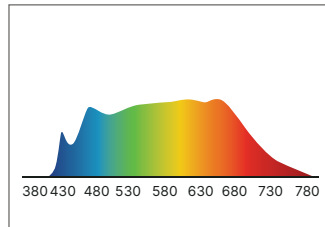
**HE90: High-Efficiency 90+ CRI**



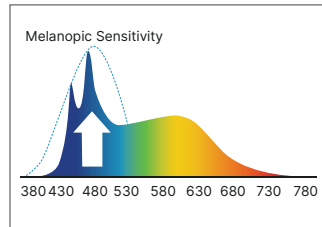
**HD95: High-Definition 95+ CRI**



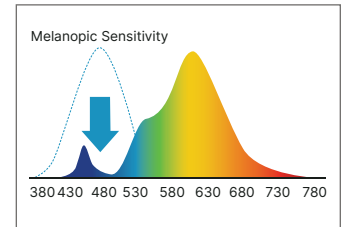
**SUN: Full Spectrum "SunLike"**



**HCD: Human Centric Day**



**HCN: Human Centric Night**



### Static White Light (LED Light Engine Only)

| CODE | DESCRIPTION            | TYPICAL LED DATA |      |        |         |         |      |           |     |
|------|------------------------|------------------|------|--------|---------|---------|------|-----------|-----|
|      |                        | CCT              | CRI  | CRI R9 | TM30 Rf | TM30 Rg | CQS  | M/P Ratio | LPW |
| S80  | Standard 80 CRI        | 3500K            | 82.5 | 7.8    | 84      | 96.7    | 82.5 | 0.51      | 190 |
| S90  | Standard 90 CRI        | 3500K            | 91   | 54.3   | 89.3    | 98.9    | 89.2 | 0.55      | 175 |
| HE80 | High Efficiency 80 CRI | 3500K            | 82.1 | 5.9    | 83      | 94.2    | 81.2 | 0.52      | 210 |
| HE90 | High Efficiency 90 CRI | 3500K            | 92.2 | 90     | 90.7    | 103.8   | 92.1 | 0.56      | 190 |
| HD95 | High Definition 95 CRI | 3500K            | 97.1 | 95     | –       | –       | –    | 0.70      | 163 |
| SUN  | Full Spectrum SunLike® | 3500K            | 95   | 85     | –       | –       | –    | –         | 130 |
| HCD  | Human Centric Day      | 4000K            | 83   | 95     | –       | –       | –    | 0.92      | 155 |
| HCN  | Human Centric Night    | 2700K            | 80   | –      | –       | –       | –    | 0.44      | 134 |

### LPW Efficacy Conversion Chart

| CODE  | CCT SELECTED |       |       |       |       |       |       |       |
|-------|--------------|-------|-------|-------|-------|-------|-------|-------|
|       | 2200K        | 2700K | 3000K | 3500K | 4000K | 5000K | 5700K | 6500K |
| S80   | –            | 0.91  | 0.96  | 1.00  | 1.04  | 1.11  | 1.11  | 1.11  |
| S90   | –            | 0.91  | 0.96  | 1.00  | 1.04  | 1.11  | 1.11  | 1.11  |
| HE80  | –            | 0.96  | 0.99  | 1.00  | 1.03  | 1.04  | 1.03  | 1.03  |
| HE90  | –            | 0.91  | 0.96  | 1.00  | 1.04  | 1.11  | N/A   | N/A   |
| HD95  | –            | 0.91  | 0.96  | 1.00  | 1.04  | 1.11  | 1.03  | 1.04  |
| SUN95 | –            | 0.90  | 0.92  | 1.00  | 1.01  | 1.07  | 1.04  | 1.05  |
| HCD   | –            | N/A   | 0.96  | 1.00  | 1.04  | 1.04  | 1.04  | 1.04  |
| HCN   | –            | 0.87  | 0.96  | 1.00  | 1.04  | N/A   | N/A   | N/A   |

## BIOS TECHNOLOGY

### Choosing Your BIOS Solution

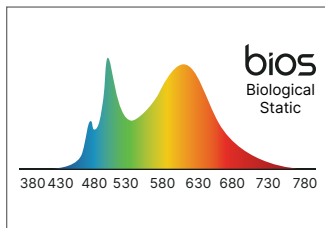
BIOS is offered in four Circadian LED Solutions with BIOS SkyBlue Technology — Biological Static, Biological Dynamic, Biological Tunable, and Biological Dim-to-Warm. BIOS SkyBlue™ Technology includes a blue peak at 490nm that provides an effective daytime circadian signal using standard architectural color temperatures.

**bios**

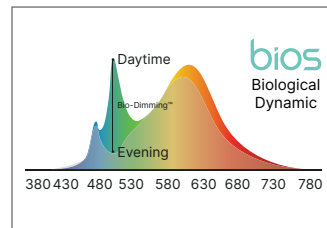
To learn more about BIOS Technology, please click or scan the QR Code.



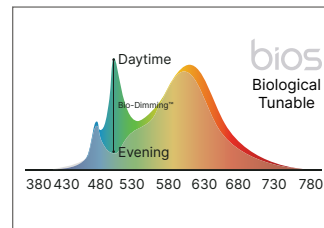
**BIOS Static**



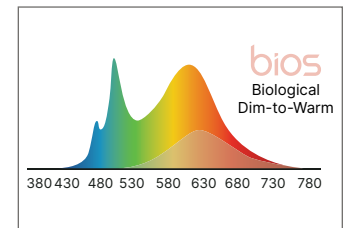
**BIOS Dynamic**



**BIOS Tunable**



**BIOS Dim-to-Warm**



#### Daytime

No color change when dimmed

Spaces that operate during daytime hours — 7am and 7pm

#### Daytime & Evening

500K shift when dimmed

Spaces that operate overnight — after 7pm and before 7am

#### Daytime & Evening

Dims to 2700K

Spaces that operate with overnight shifts — after 7pm and before 7am

#### Daytime & Evening

Dims from cool to warm

Spaces where people sleep — after 7pm and before 7am

### Circadian and Human Centric Light

| CODE     | DESCRIPTION                    | BIO-DIMMING MODULE TECHNOLOGY GUIDE |  |               |                             |   |   |
|----------|--------------------------------|-------------------------------------|--|---------------|-----------------------------|---|---|
|          |                                | Driver                              | Driver Voltage   | CCT           | Requires BIO-Dimming Module | Lighting Control  | BIOS SkyBlue (490nm)                    |
| SBIOS    | BIOS Static                    | DIM1                                | 0-10V Dimming to 1% Dim-to-Dark  | No CCT Change | No                          | Intensity Dimming Control Only                            | Always Present                          |
| DBIOS    | BIOS Dynamic                   | BIODIM1                             | 0-10V Intensity Dimming to 1% Dim-to-Dark  | 500K Shift    | Yes                         | Intensity Dimming & Spectrum Change Controlled Together   | Removed with BIO-Dimming                |
| DBIOS-2  | BIOS Dynamic (Two Channel)     |                                     |  |               | No                          | Intensity Dimming & Spectrum Change Controlled Separately | Removed by Adjusting "Spectrum Channel" |
| TBIOS    | BIOS Tunable                   | ATW / DTW                           | 0-10V Control of Intensity & CCT on Separate 2 Channels / DALI Control of Intensity & CCT on Separate 2 Channels | Dims to 2700K | Yes                         | Intensity Dimming & Spectrum Change Controlled Together   | Removed with BIO-Dimming                |
| TBIOS-2  | BIOS Tunable (Two Channel)     |                                     |  |               | No                          | Intensity Dimming & Spectrum Change Controlled Separately | Removed by Adjusting "Spectrum Channel" |
| DWBIOS   | BIOS Dim-to-Warm               | -                                   | -  | Dims to 2200K | Yes                         | Intensity Dimming & Spectrum Change Controlled Together   | Removed with BIO-Dimming                |
| DWBIOS-2 | BIOS Dim-to-Warm (Two Channel) |                                     |  |               | No                          | Intensity Dimming & Spectrum Change Controlled Separately | Removed by Adjusting "Spectrum Channel" |

SMARTBEAM® TECHNOLOGY

The Ultimate Control of Lighting Distributions

SmartBeam makes it easy to specify the exact light required for any architectural space. Available in every XICO product; it is now possible to create truly tailored and engaging lighting that transform spaces, improves visual comfort, and saves energy.

To learn more about our SmartBeam Technology, please click or scan the QR Code.



FIXTURE POWER & CONTROLS

Voltage

LED Driver Factory Selected, 36–39V Constant Current

Emergency Backup

Backup Types Emergency Circuit, Emergency Battery (Onboard), and other emergency backups are available

Wiring Typically the Emergency Backup is wired to 48” sections

Power 10 W

Illumination Time 90 minutes

Partners



Control Systems

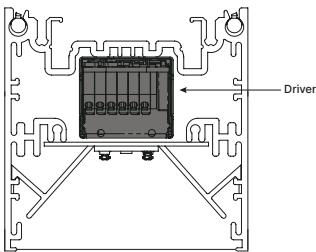
Other Factory Non-Dimming, Factory 0–10V 1% Dim, Factory 0–10V 10% Dim, Factory DALI 0.1% Dim, Factory DMX Dim, Factory TRIAC Dim, eldoLED 0–10V 0.1% Dim, eldoLED 0–10V 1% Dim, eldoLED DALI 0.1% Dim, and other drivers are available, consult factory (not all integral)

Lutron Hi-Lume 1% Dimming and 5-Series 5% Dimming

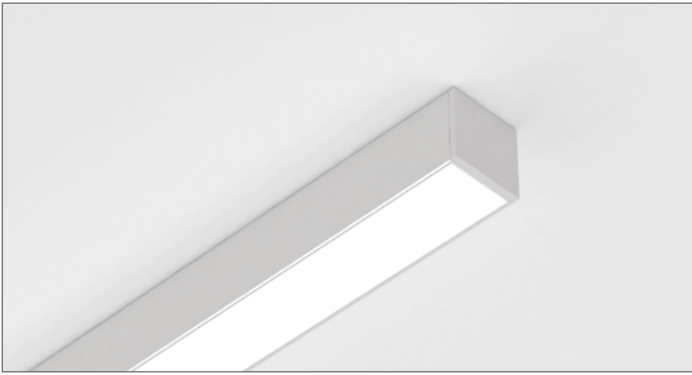
Cooper Compatible driver

Casambi (wireless) Compatible driver

Integral Drivers



Drivers are integral to the fixture and are included. They provide 0–10V, DALI, DMX, and TRIAC dimming. Also compatible with Cooper and other common building control systems, including PoE and wireless.



Flush Lens

## FIXTURE MOUNTING & CONNECTIONS

### Mounting Type

#### T-Bar Mount

Installs into a ceiling grid system and mount on to, or replace, typical T-Bar elements. Available with a range of accessories, mounts and inserts that provide easy customization of visual appearance and performance enhancements.

#### Surface Mount

Installs onto a surface. Available with a range of accessories, mounts and inserts that provide easy customization of visual appearance and performance enhancements.

### Power Cord

#### 24" Cable Kit

White and Black

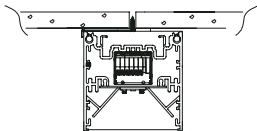
### Mounting Kit

#### Surface Mounting Bracket

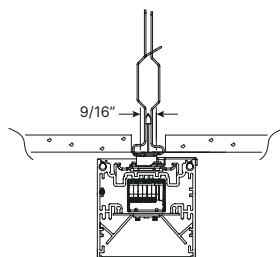
Stainless Steel

### Mounting Options

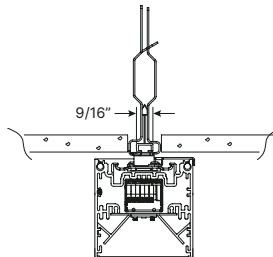
#### SC1 - Surface Mount Clip



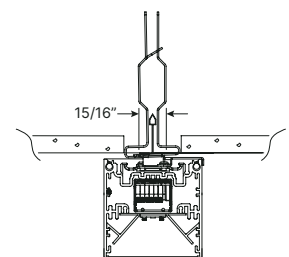
#### T1 - 9/16" Flat T-Bar Mount



#### T2 - 9/16" Bolt Slot T-Bar Mount



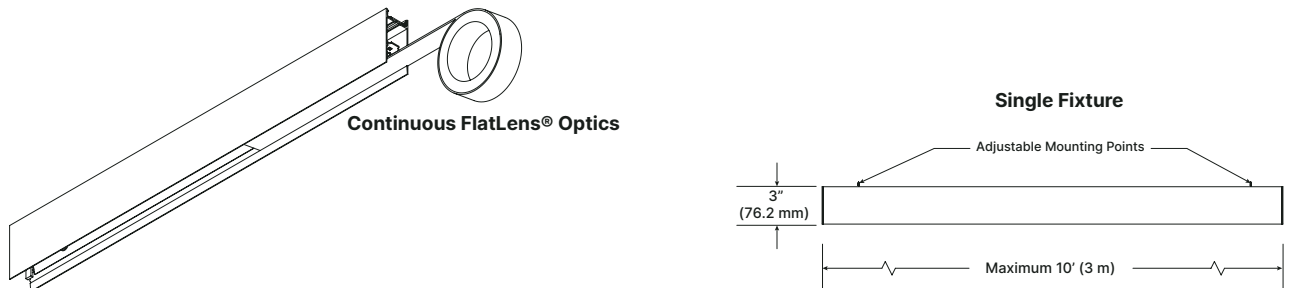
#### T3 - 15/16" Flat T-Bar Mount



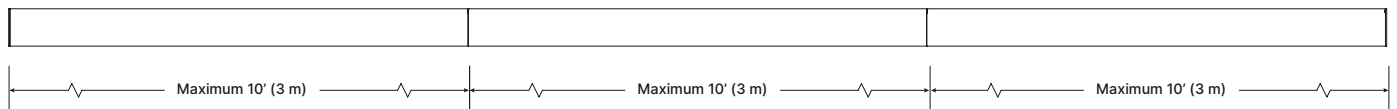
### Standard Lengths & Continuous Runs

Maximum length of one fixture is 10'. Longer runs can be produced by joining sections. Customer approval of shop drawings is required prior to build of any non-standard length order.

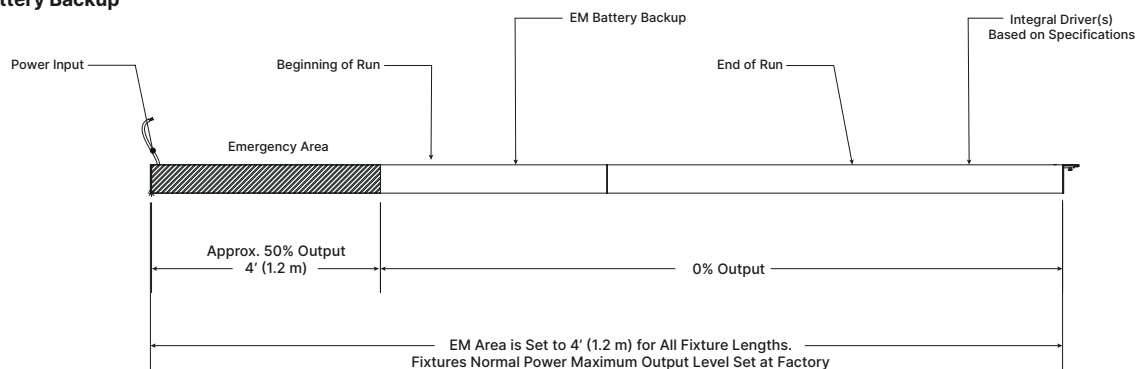
Lens can be supplied in a maximum 250' roll length with Continuous FlatLENS Optics to be installed on-site for a seamless light surface.



### Standard Continuous Run



### Emergency Battery Backup



Battery Power: 10 W  
Illumination Time: 90 minutes  
Light Output approx 300 lm/ft or 1200-1300 Total Lumens\*  
Recharge Time: 24 Hours

\*Light output may vary based on fixture output level ordered.



## STANDARDS & CERTIFICATIONS



### Declare Listed

Declare labels provide a quick and reliable way to make choices about the environmental footprint and safety of the product. Declare is internationally recognized and the labels can be found on the product, product packaging, or company website. Visit [xicoled.com](http://xicoled.com) for Declare Listed details.



### Red List Free

An industry standard certification for LED lighting products based on the International Living Future Institute (ILFI). These products only use materials based on the “Red List of Toxic Chemicals” (a list of chemicals and materials known to be hazardous to people and/or the Earth) that are safe, healthy, and environmentally sustainable.

## Certifications

### Compliance

BAA & TAA compliant in-house manufacturing in Boston, MA with North American supply chain

### Certifications



### Sustainability

Declare Listed and Red List Free

### Packaging

Low carbon, environmentally conscious packaging and shipping methods

## Environmental Suitability

### IP Rating

Suitable for Dry and Damp Locations, indoor use only

### Recyclable

SmartOptics and all powder coated and anodized parts are fully recyclable at end of life

## Reliability

### Manufacturing

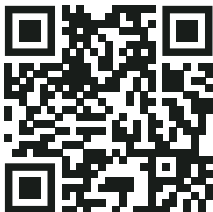
All XICO products and associated optics and LED engines are assembled at our factory in Woburn, MA

### Quality Assurance

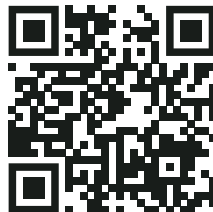
Each product is engineered reliability and quality assurance tested

## Warranty & Terms

### 5-YR Warranty



### Business Terms



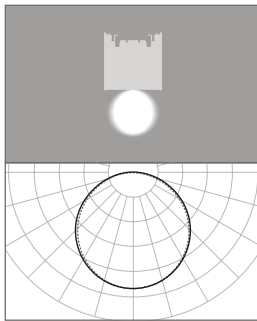
For details on our warranty and business terms, please click or scan the QR Code.

| OPTIC      | BEAM PATTERN |       |       |        |        |      |      |
|------------|--------------|-------|-------|--------|--------|------|------|
|            | DLAM         | DBW60 | DDA70 | DA5025 | DA4005 | DM55 | DN40 |
| Flush Lens | ●            | ●     | ●     | ●      | ●      | ●    | ●    |

## DIRECT PHOTOMETRICS

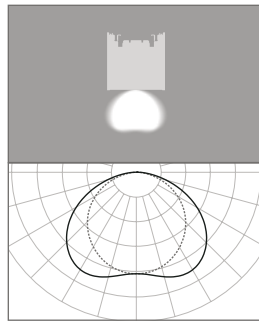
Static White Light

**DLAM:** Lambertian



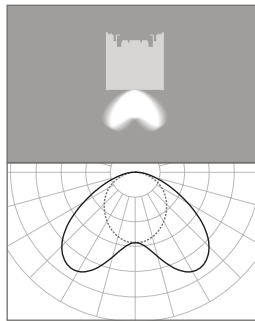
**Length** 48"  
**LED** HE90  
**CRI/CCT** 90+/3500K  
**Lumens** 3,000  
**lm/ft** 750  
**Watts** 21  
**W/ft** 5.28  
**LPW** 142

**DBW60:** Batwing 60°



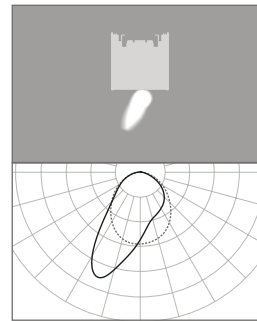
**Length** 48"  
**LED** HE90  
**CRI/CCT** 90+/3500K  
**Lumens** 3,000  
**lm/ft** 750  
**Watts** 21  
**W/ft** 5.17  
**LPW** 145

**DDA70:** Double Asymmetric 70°



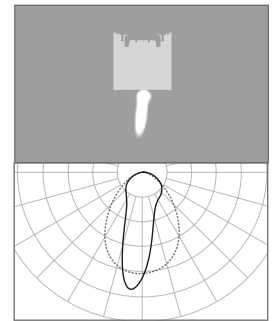
**Length** 48"  
**LED** HE90  
**CRI/CCT** 90+/3500K  
**Lumens** 3,000  
**lm/ft** 750  
**Watts** 22  
**W/ft** 5.43  
**LPW** 138

**DA5025:** Asymmetric 50° at 25° Tilt



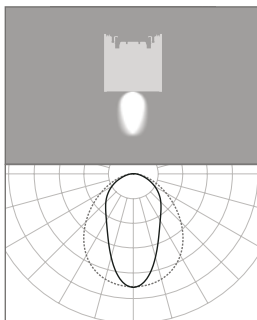
**Length** 48"  
**LED** HE90  
**CRI/CCT** 90+/3500K  
**Lumens** 3,000  
**lm/ft** 750  
**Watts** 21  
**W/ft** 5.24  
**LPW** 143

**DA4005:** Asymmetric 40° at 5° Tilt



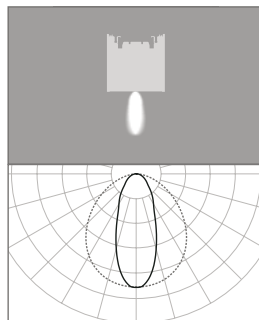
**Length** 48"  
**LED** HE90  
**CRI/CCT** 90+/3500K  
**Lumens** 3,000  
**lm/ft** 750  
**Watts** 22  
**W/ft** 5.39  
**LPW** 139

**DM55:** Medium55°



**Length** 48"  
**LED** HE90  
**CRI/CCT** 90+/3500K  
**Lumens** 3,000  
**lm/ft** 750  
**Watts** 22  
**W/ft** 5.47  
**LPW** 137

**DN40:** Narrow 40°



**Length** 48"  
**LED** HE90  
**CRI/CCT** 90+/3500K  
**Lumens** 3,000  
**lm/ft** 750  
**Watts** 22  
**W/ft** 5.51  
**LPW** 136

## PATENTS & TRADEMARKS



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### Utility Patents

|                                     |  |
|-------------------------------------|--|
| <b>United States</b>                | US11543582, US11520097, US11512466, US11441749, US11396751, US11333822, US11163104, US11156762, US10852466, US10068447, US8953926, US8948564, US8911099, US8876348, US8794812, US8783898, US8761565, US8750671, US8721152, US8619363, US8430548, US8408775, US8249408, US8231256, US8177408, US8033706, US8033674, US7991257, US7914192, US7784954, US7758227, US7722224, US7542635, US7453636, US7453635, US7431489, US7408707, US7278775, US6369944, US6346311, US6123877, US5932342, US5837346, US20220373144, US20220372752, US20220364708, US20220357006, US20220357005, US20220342141, US20220290432, US20220206210A1, US20220171119A1, US20220171115A1, US20220162856A1, US20220162853A1, US20220146063A1, US20220137287, US20210301991A1, US20200355345A1, US20200217071A1, US20220333765A1, US20220228366A1, US20220196906A1, US20220010554A1, US20080043490A1, US20060290253A1, US20060215958A1, US20120321247, US20120250330, US20120099204 |
| <b>Canada</b>                       | CA2702600, CA2702685, CA2702690  |
| <b>France</b>                       | FREP0800658  |
| <b>Germany</b>                      | DEEP0800658  |
| <b>Great Britain</b>                | GB2492541, GB2492542, GBEP0800658, GB2492398   |
| <b>Japan</b>                        | JP03958359   |
| <b>Netherlands</b>                  | NLEP0800658  |
| <b>Taiwan</b>                       | FTW360813B   |
| <b>European Patent Organization</b> | EP0843203, EP0843203   |

### Design Patents

|                      |   |
|----------------------|---|
| <b>United States</b> | USD719282, USD717973, USD669606, USD669608, USD669609, USD669614, USD663056 |
|----------------------|---|

### The Patent Corporation Treaty

|   |              |
|---|--------------|
| <b>World Intellectual Property Organization</b> | WO2015200268 |
|---|--------------|

### Trademarks

|                      |   |
|----------------------|---|
| <b>United States</b> | US6672871, US6397231, US6373493, US6257728, US6190558, US6190559, US6142905, US6114408, US6038234, US6025279, US6060740, US6257729, US5856164, US5734112, US5543304, US5309290, US5309315, US4691124, US4640751 |
|----------------------|---|