# **EDGE**Solo200 Woodworks

## 2" Edge-Lit Linear LED Wood Surface Mount

**XICO**®





**2" Scale**

**Remote Driver**
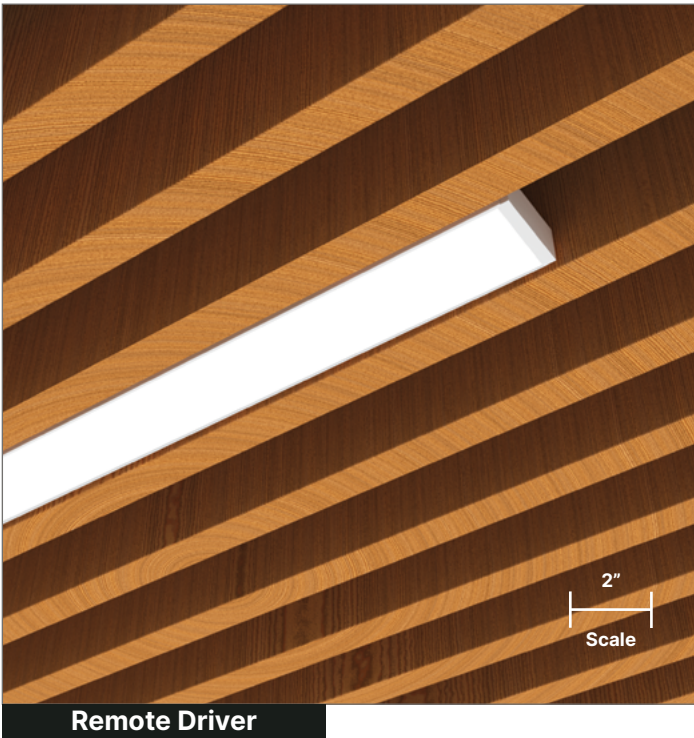
## Features & Benefits

**Exceptional Performance**
Up to 1,000 lm/ft, 135 lm/W efficacy

**Wide Range of LED Selections**
Static and Tunable White

**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**

**Red List Free**

# FIXTURE ORDERING

| Project Name | |
|---|---|
| Fixture Type | |

## 1) FIXTURE DESIGN

| PRODUCT | LENGTH | | FINISH | | END CAP | | OPTIC | |
|---|---|---|---|---|---|---|---|---|
| **ESO200-WS** | | | | | | | | |

| PRODUCT | LENGTH | | FINISH | | END CAP | | OPTIC | |
|---|---|---|---|---|---|---|---|---|
| 2" Edge-Lit Linear LED Wood Surface Mount | **24** | 24" | **MWH** | Matte White (RAL9003) | **E2** | Chamfered End Cap | **ORL** | Regressed Lens |
| | **48** | 48" | **MBK** | Matte Black (RAL9005) | | | | |
| | **72** | 72" | **MGR** | Matte Gray (RAL7001) | | | | |
| | **96** | 96" | **CAE** | Clear Anodized Effect | | | | |
| | **X_** | Specify X', Y" | **RAL_** | Specify RAL# | | | | |

## 2) LED LIGHT ENGINE

| CRI | | CCT | | DIRECT BEAM PATTERN | | DIRECT OUTPUT | |
|---|---|---|---|---|---|---|---|
| **S80** | Std. 80 CRI | **22** | 2200K | **DLAM** | Lambertian | **35** | 350 lm/ft |
| **S90** | Std. 90 CRI | **27** | 2700K | **DBW65** | Batwing 65° | **50** | 500 lm/ft |
| **HE80** | High-Eff. 80 CRI | **30** | 3000K | **DA5025** | Asymmetric 50° at 25° Tilt | **75** | 750 lm/ft |
| **HE90** | High-Eff. 90 CRI | **35** | 3500K | **X_** | Specify Beam | **100** | 1,000 lm/ft |
| **HD95** | High-Def. 95 CRI | **40** | 4000K | | | **X_** | Specify lm/ft |
| **SUN** | Full SunLike | **50** | 5000K | | | | |
| | | **X_** | Specify CCT | | | | |

## 3) FIXTURE POWER & CONTROLS

| LINE VOLTAGE (DC) | | REMOTE DRIVER (POWER) | | REMOTE DRIVER BOX[1] | | EMERGENCY BACKUP | | CONTROL SYSTEM[3] | |
|---|---|---|---|---|---|---|---|---|---|
| **UNV** | 120/277V | **FDND** | Factory Non-Dimming | **NN** | Not Needed | **NN** | Not Needed | **NN** | Not Needed |
| **347** | 347V | **FD01** | Factory 0-10V 1% Dim | **RLDB**[2] | Remote Linear Driver Box (driver included by default) | **EMC** | Emergency Circuit | **LUT** | Lutron |
| | | **FD10** | Factory 0-10V 10% Dim | **RX2D**[2] | Optional Remote XBox2 Driver, Up to 2 Drivers | **EMB** | Emergency Battery (10 W — Remote) | **COO** | Cooper |
| | | **FDDA** | Factory DALI 0.1% Dim | | | **X_** | Specify Backup | **CAS** | Casambi |
| | | **FDDX** | Factory DMX Dim | **RX3D**[2] | Optional Remote XBox3 Driver, Up to 3 Drivers | | | **X_** | Specify Control System |
| | | **FDTR** | Factory TRIAC Dim | **RX5D**[2] | Optional Remote XBox5 Driver, Up to 5 Drivers | | | | |
| | | **LD01** | Lutron Hi-Lume 1% Dim | | | | | | |
| | | **LD05** | Lutron 5-Series 5% Dim | | | | | | |
| | | **ED00** | eldoLED 0-10V 0.1% Dim | | | | | | |
| | | **ED01** | eldoLED 0-10V 1% Dim | | | | | | |
| | | **EDDA** | eldoLED DALI 0.1% Dim | | | | | | |
| | | **X_** | Specify Driver | | | | | | |

## 4) FIXTURE MOUNTING & CONNECTIONS

| MOUNTING TYPE | | POWER CORD | | MOUNTING KIT | |
|---|---|---|---|---|---|
| **WI** | Woodworks Integration | **S24WH** | 24" White Cable Kit | **SXIC** | Stainless Steel XICO Integration Clip |
| | | **S24BK** | 24" Black Cable Kit | | |

Footnotes: [1] Remote distance is dependent on driver type, up to 100' (30.5 m).     [2] Creates a clean and organized power solution for multiple fixture installations.
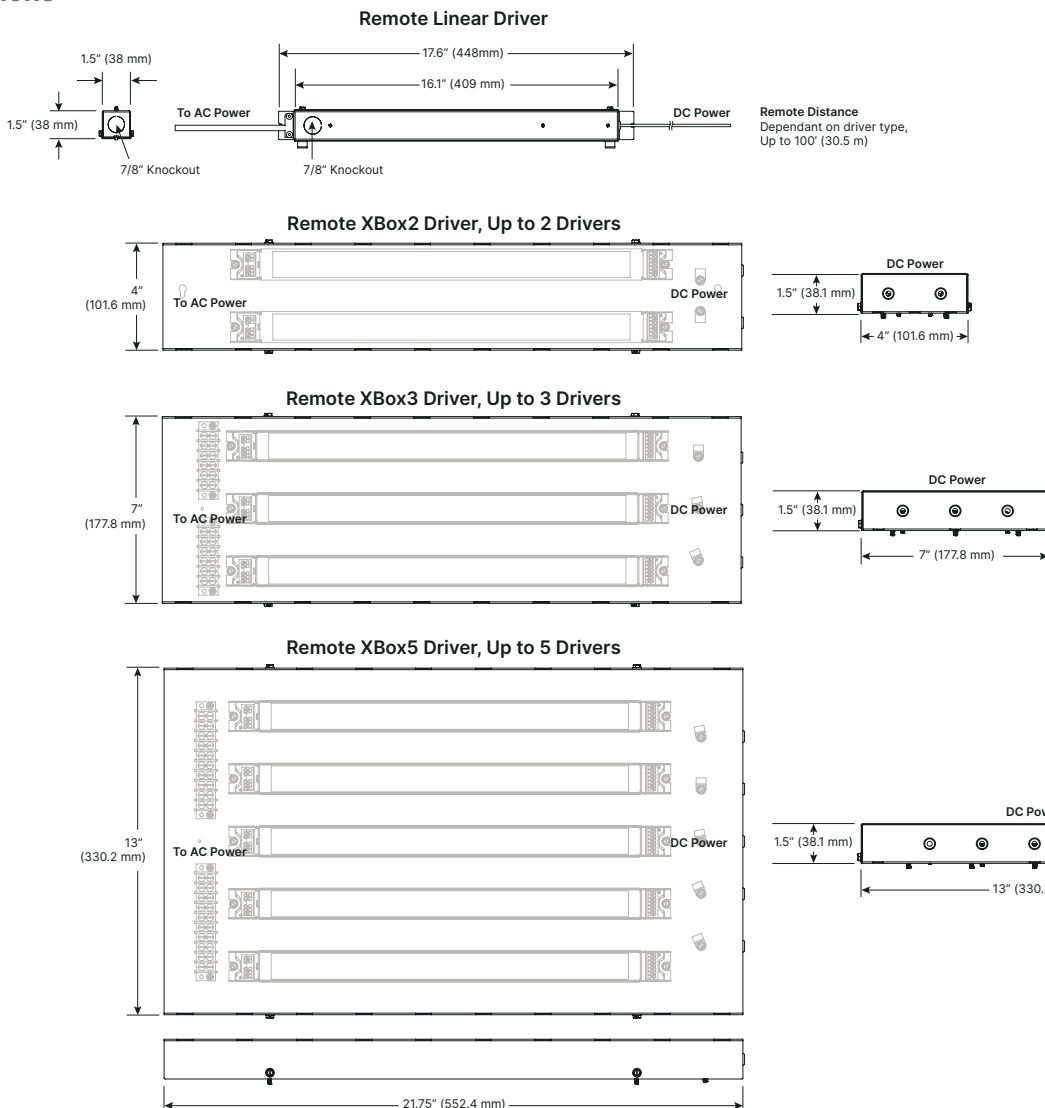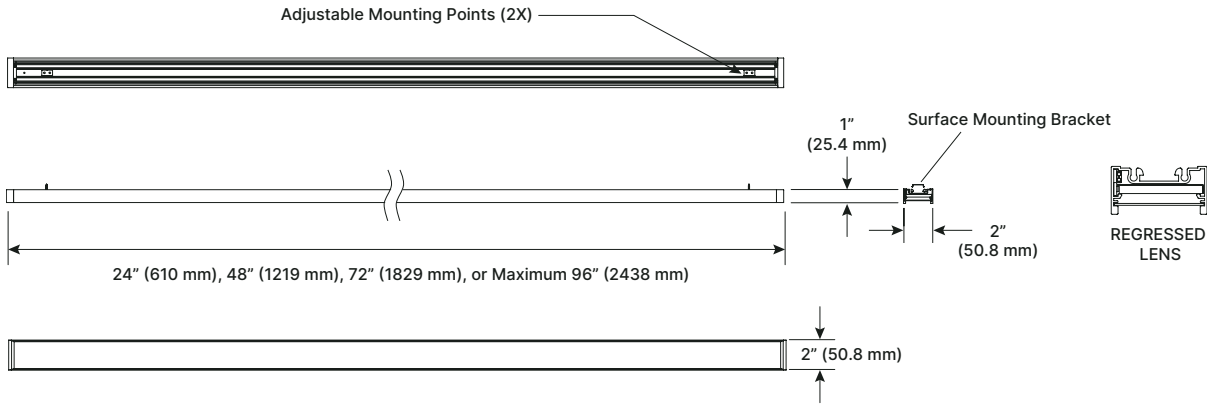[3] The control system and driver must be compatible.

**Project Name**

**NOTES**

**Fixture Type**

# REMOTE DRIVER BOX

## Dimensions

**Remote Linear Driver**

1.5" (38 mm)

1.5" (38 mm)

17.6" (448mm)

16.1" (409 mm)

To AC Power

DC Power

**Remote Distance**
Dependant on driver type,
Up to 100' (30.5 m)

7/8" Knockout

7/8" Knockout

**Remote XBox2 Driver, Up to 2 Drivers**

4"
(101.6 mm)

To AC Power

DC Power

DC Power

1.5" (38.1 mm)

4" (101.6 mm)

**Remote XBox3 Driver, Up to 3 Drivers**

7"
(177.8 mm)

To AC Power

DC Power

DC Power

1.5" (38.1 mm)

7" (177.8 mm)

**Remote XBox5 Driver, Up to 5 Drivers**

13"
(330.2 mm)

To AC Power

DC Power

DC Power

1.5" (38.1 mm)

13" (330.2 mm)

21.75" (552.4 mm)

## FIXTURE DESIGN

### Dimensions

Adjustable Mounting Points (2X)

Surface Mounting Bracket

1"
(25.4 mm)

2"
(50.8 mm)

REGRESSED
LENS

24" (610 mm), 48" (1219 mm), 72" (1829 mm), or Maximum 96" (2438 mm)

2" (50.8 mm)

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

### Length

| | |
|---|---|
| **Length Options** | 24", 48", 72", 96" |

### 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** | Chamfered |
| **End Cap Material** | Machined or cast aluminum |

### Optic

| | |
|---|---|
| **Lens Option** | Regressed |
| **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**
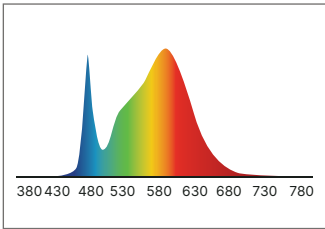


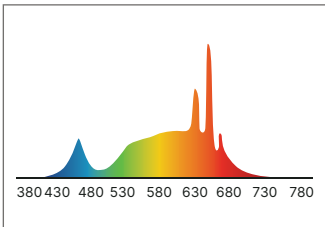**S90: Standard 90+ CRI**
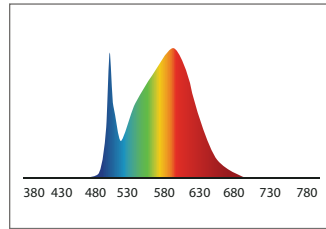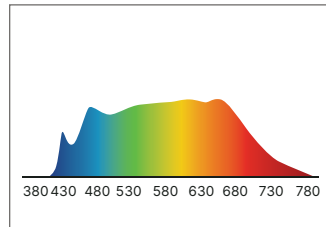


**HE80: High-Efficiency 80+ CRI**
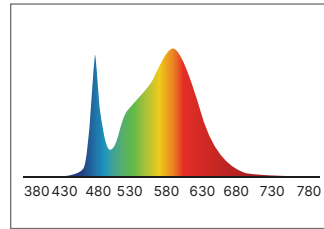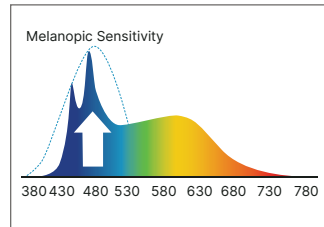


**HE90: High-Efficiency 90+ CRI**
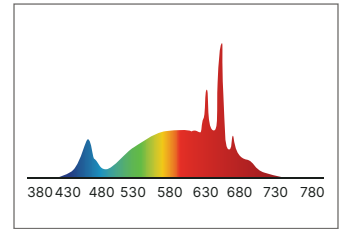


**HD95: High-Definition 95+ CRI**
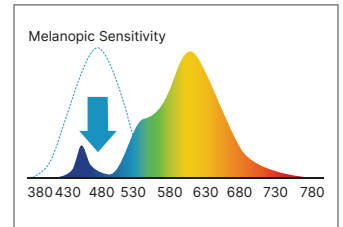


**SUN: Full Spectrum "SunLike"**



**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

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

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.
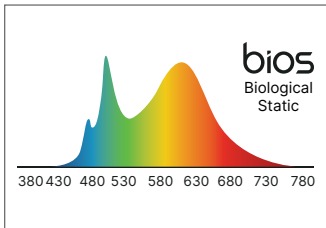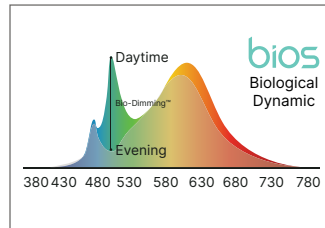
| **BIOS Static** | **BIOS Dynamic** | **BIOS Tunable** | **BIOS Dim-to-Warm** |
|---|---|---|---|
|  |  |  |  |
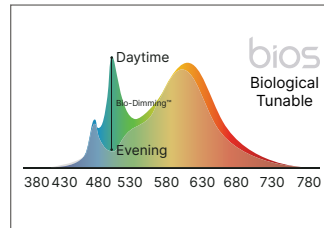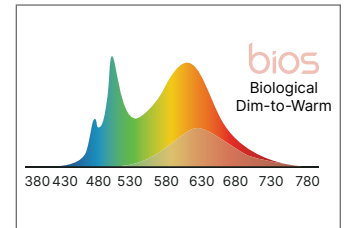
**Daytime**
No color change when dimmed

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 (Remote), 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** | **Remote Drivers (Sold Separately)** |
|---|---|
| **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 |

### XBox

| | |
|---|---|
| **Remote Driver Boxes (Optional)** | To create a clean and organized power solution for multiple fixture installations see our XBox Specification Guide. Reach out to a XICO Sales Representative to discuss you projects needs. |

**Regressed Lens**

# FIXTURE MOUNTING & CONNECTIONS

### Mounting Type

**Woodworks Integration**

Installs onto a wood surface via an integration clip. Available with a range of accessories, mounts and inserts that provide easy customization of visual appearance and performance enhancements.
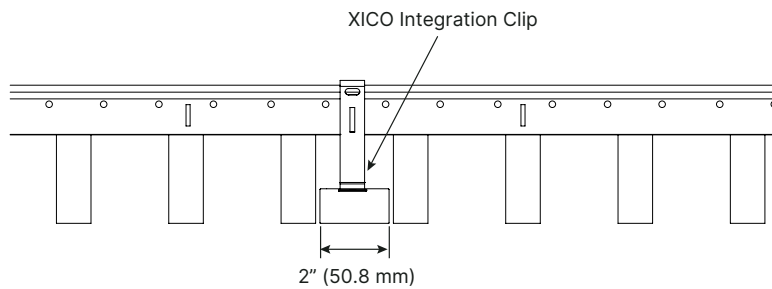
### Power Cords

**24" Cable Kit**

White and Black

### Mounting Kit

**Surface Mounting Bracket**
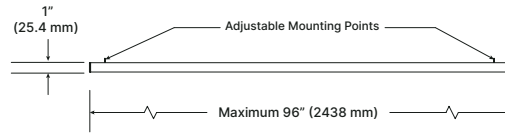
Stainless Steel

### Mounting Options

## Woodworks Integration

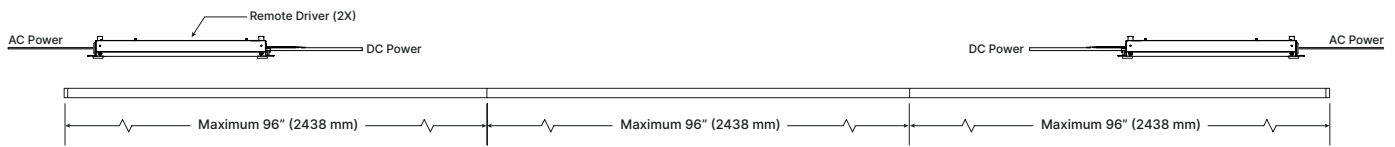XICO Integration Clip



2" (50.8 mm)

## Standard Lengths & Continuous Runs

Maximum length of one fixture is 96". Longer runs can be produced by joining sections. Customer approval of shop drawings is required prior to build of any non-standard length order.
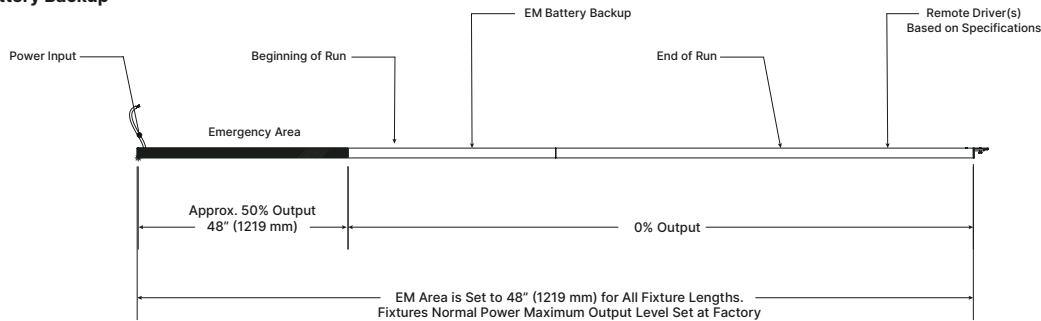
**Single Fixture**

1"
(25.4 mm)

Adjustable Mounting Points

Maximum 96" (2438 mm)

**Standard Continuous Run**

Remote Driver (2X)

AC Power

DC Power

DC Power

AC Power

Maximum 96" (2438 mm)

Maximum 96" (2438 mm)

Maximum 96" (2438 mm)

**Emergency Battery Backup**

EM Battery Backup

Remote Driver(s)
Based on Specifications

Power Input

Beginning of Run

End of Run

Emergency Area

Approx. 50% Output
48" (1219 mm)

0% Output

EM Area is Set to 48" (1219 mm) for All Fixture Lengths.
Fixtures Normal Power Maximum Output Level Set at Factory
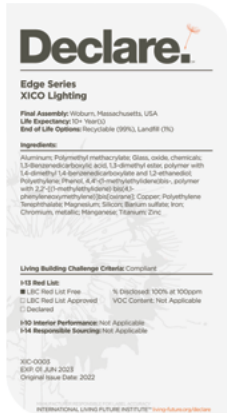
Battery Power: 10 W
Illumination Time: 90 minutes
Light Output approx 300 lm/ft or 1200–1300 Total Lumens*
Recharge Time: 24 Hours

*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** 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

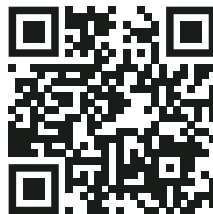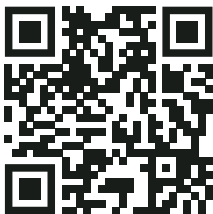| | |
|---|---|
| **Manufacturing** | All XICO products and associated optics and LED engines are assembled at our factory in Woburn, MA |
| **Quality Assurance** | Each product is engineered reliability and quality assurance tested |

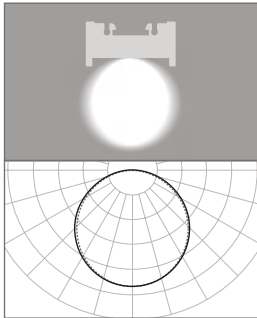### Warranty & Terms

**5-YR Warranty**



**Business Terms**



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

| OPTIC | BEAM PATTERN | | |
|---|---|---|---|
| | **DLAM** | **DBW65** | **DA5025** |
| Regressed Lens | ● | ● | ● |

## DIRECT PHOTOMETRICS

**Static White Light**

**DLAM:** Lambertian



**DBW65:** Batwing 65°



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



| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Length** | 48" | | **Length** | 48" | | **Length** | 48" |
| **LED** | HE80 | | **LED** | HE80 | | **LED** | HE80 |
| **CRI/CCT** | 80+/3500K | | **CRI/CCT** | 80+/3500K | | **CRI/CCT** | 80+/3500K |
| **Lumens** | 3,000 | | **Lumens** | 3,000 | | **Lumens** | 3,000 |
| **lm/ft** | 746 | | **lm/ft** | 743 | | **lm/ft** | 738 |
| **Watts** | 27 | | **Watts** | 27 | | **Watts** | 10.5 |
| **W/ft** | 6.8 | | **W/ft** | 6.8 | | **W/ft** | 5.3 |
| **LPW** | 110 | | **LPW** | 109 | | **LPW** | 141 |

## PATENTS & TRADEMARKS

To learn more about our unique technologies, please click or scan the QR Code.

### Utility Patents

**United States**

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

**Canada**

CA2702600, CA2702685, CA2702690

**France**

FREP0800658

**Germany**

DEEP0800658

**Great Britain**

GB2492541, GB2492542, GBEP0800658, GB2492398

**Japan**

JP03958359

**Netherlands**

NLEP0800658

**Taiwan**

FTW360813B

**European Patent Organization**

EP0843203, EP0843203

### Design Patents

**United States**

USD719282, USD717973, USD669606, USD669608, USD669609, USD669614, USD663056

### The Patent Corporation Treaty

**World Intellectual Property Organization**

WO2015200268

### Trademarks

**United States**

US6672871, US6397231, US6373493, US6257728, US6190558, US6190559, US6142905, US6114408, US6038234, US6025279, US6060740, US6257729, US5856164, US5734112, US5543304, US5309290, US5309315, US4691124, US4640751

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**DOC-1105-00  Rev A**