

# EDGESolo200 Pendant

## 2.0" Edge-Lit Linear LED Pendant Mount



Remote Driver

### Features & Benefits

#### Exceptional Performance

Up to 1,000 lm/ft Direct Only or 1,500 Lm/ft Bi-directional, 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**



## FIXTURE ORDERING

Project Name	
Fixture Type	

### 1) FIXTURE DESIGN

PRODUCT	LENGTH	FINISH	END CAP	OPTIC (DIRECT ONLY)
<b>ESO200-P</b>				
2.00" Edge-Lit Linear LED Pendant Mount	<b>2FT</b> 2' <b>4FT</b> 4' <b>6FT</b> 6' <b>8FT</b> 8' <b>10FT</b> 10' <b>X_</b> Specify X', Y"	<b>MWH</b> Matte White (RAL9003) <b>MBK</b> Matte Black (RAL9005) <b>MGR</b> Matte Gray (RAL7001) <b>CAE</b> Clear Anodized Effect <b>RAL_</b> Specify RAL#	<b>E2</b> Chamfered End Cap	<b>OFL</b> Flush Lens

### 2) LED LIGHT ENGINE

CRI	CCT	DIRECT BEAM PATTERN	DIRECT OUTPUT	INDIRECT BEAM PATTERN	INDIRECT OUTPUT
<b>S80</b> Std. 80 CRI	<b>22</b> 2200K	<b>DLAM</b> Lambertian	<b>35</b> 350 lm/ft	<b>NN</b> Not Needed	<b>NN</b> Not Needed
<b>S90</b> Std. 90 CRI	<b>27</b> 2700K	<b>DBW65</b> Batwing 65°	<b>50</b> 500 lm/ft	<b>ILAM</b> Lambertian	<b>35</b> 350 lm/ft
<b>HE80</b> High-Eff. 80 CRI	<b>30</b> 3000K	<b>DA5025</b> Asymmetric 50° at 25° Tilt	<b>75</b> 750 lm/ft	<b>IBW120</b> Batwing 120°	<b>50</b> 500 lm/ft
<b>HE90</b> High-Eff. 90 CRI	<b>35</b> 3500K	<b>X_</b> Specify Beam	<b>100</b> 1,000 lm/ft	<b>IFT150</b> FlatTop 150°	<b>75</b> 750 lm/ft
<b>HD95</b> High-Def. 95 CRI	<b>40</b> 4000K		<b>X_</b> Specify lm/ft	<b>IA6040</b> Asymmetric 60° at 40° Tilt	<b>100</b> 1,000 lm/ft
<b>SUN</b> Full SunLike	<b>50</b> 5000K <b>X_</b> Specify CCT			<b>IA4560</b> Asymmetric 45° at 60° Tilt	<b>X_</b> Specify Beam

### 3) FIXTURE POWER & CONTROLS

LINE VOLTAGE (DC)	REMOTE DRIVER (POWER)	REMOTE DRIVER BOX <sup>1</sup>	EMERGENCY BACKUP	CONTROL SYSTEM <sup>3</sup>
<b>UNV</b> 120/277V	<b>FDND</b> Factory Non-Dimming	<b>NN</b> Not Needed	<b>NN</b> Not Needed	<b>NN</b> Not Needed
<b>347</b> 347V	<b>FD01</b> Factory 0-10V 1% Dim	<b>RLDB<sup>2</sup></b> Remote Linear Driver Box (driver included by default)	<b>EMC</b> Emergency Circuit	<b>LUT</b> Lutron
	<b>FD10</b> Factory 0-10V 10% Dim	<b>RX2D<sup>2</sup></b> Optional Remote XBox2 Driver, Up to 2 Drivers	<b>EMB</b> Emergency Battery (10 W — Remote)	<b>COO</b> Cooper
	<b>FDDA</b> Factory DALI 0.1% Dim	<b>RX3D<sup>2</sup></b> Optional Remote XBox3 Driver, Up to 3 Drivers	<b>X_</b> Specify Backup	<b>CAS</b> Casambi
	<b>FDDX</b> Factory DMX Dim	<b>RX5D<sup>2</sup></b> Optional Remote XBox5 Driver, Up to 5 Drivers		<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			

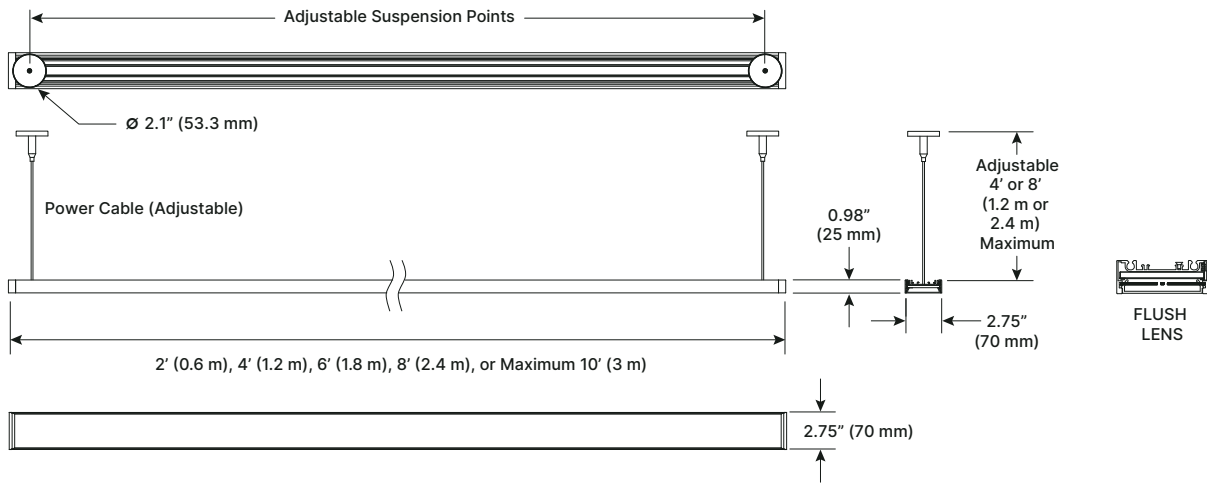
### 4) FIXTURE MOUNTING & CONNECTIONS

MOUNTING TYPE	CANOPY	POWER CORD
<b>DJ</b> Drywall/J-Box Mount	<b>RCWH2</b> 2" Round Canopy, White	<b>SQCWH2</b> 2" Square Canopy, White
<b>T1</b> 9/16" Flat T-Bar Mount	<b>RCBK2</b> 2" Round Canopy, Black	<b>SQCBK2</b> 2" Square Canopy, Black
<b>T2</b> 9/16" Bolt Slot T-Bar Mount	<b>RCWH5</b> 5" Round Canopy, White	<b>SQCWH5</b> 5" Square Canopy, White
<b>T3</b> 15/16" Flat T-Bar Mount	<b>RCBK5</b> 5" Round Canopy, Black	<b>SQCBK5</b> 5" Square Canopy, Black
	<b>S48WH</b> 48" White Cable Kit	
	<b>S48BK</b> 48" Black Cable Kit	
	<b>S96WH</b> 96" White Cable Kit	
	<b>S96BK</b> 96" Black Cable Kit	

Footnotes: <sup>1</sup> Remote distance is dependent on driver type, up to 100' (30.5 m). <sup>2</sup> Creates a clean and organized power solution for multiple fixture installations. <sup>3</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 Chamfered

End Cap Material Machined or cast aluminum

### Optic

Lens Option Flush

Lens Material Patented SmartOptics® made from Acrylic (PMMA)

### Voltage

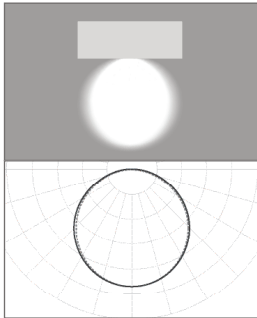
Fixture Voltage (AC) 120–277 VAC and 347 VAC, 50/60 Hz

OPTIC	BEAM PATTERN		
	DLAM	DBW65	DA5025
Flush Lens	●	●	●

### DIRECT PHOTOMETRICS

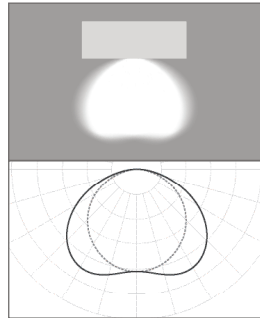
Static White Light

DLAM: Lambertian



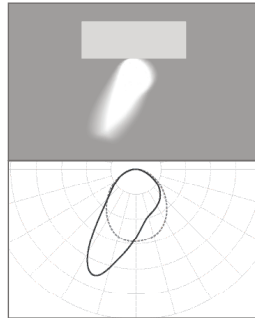
Length 48"  
LED HE80  
CRI/CCT 80+/3500K  
Lumens 3,000  
lm/ft 746  
Watts 27  
W/ft 6.8  
LPW 110

DBW65: Batwing 65°



Length 48"  
LED HE80  
CRI/CCT 80+/3500K  
Lumens 3,000  
lm/ft 743  
Watts 27  
W/ft 6.8  
LPW 109

DA5025: Asymmetric 50° at 25° Tilt

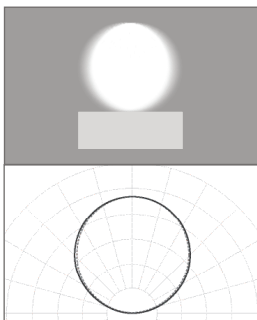


Length 48"  
LED HE80  
CRI/CCT 80+/3500K  
Lumens 3,000  
lm/ft 738  
Watts 10.5  
W/ft 5.3  
LPW 141

### INDIRECT PHOTOMETRICS

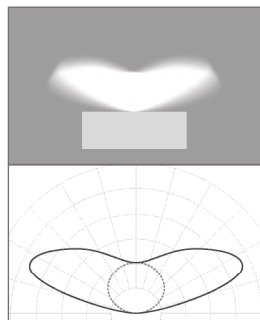
Static White Light

ILAM: Lambertian



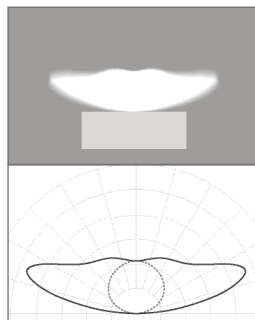
Length 48"  
LED HE80  
CRI/CCT 80+/3500K  
Lumens 4,000  
lm/ft 1,000  
Watts 28  
W/ft 7  
LPW 150

IBW120: Batwing 120°



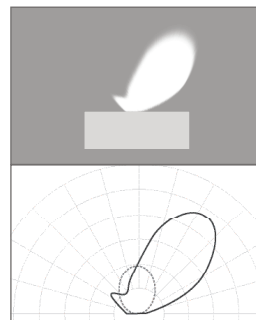
Length 48"  
LED HE80  
CRI/CCT 80+/3500K  
Lumens 4,000  
lm/ft 1,017  
Watts 25  
W/ft 6.3  
LPW 162

IFT150: FlatTop 150°



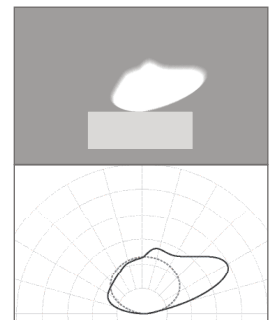
Length 48"  
LED HE80  
CRI/CCT 80+/3500K  
Lumens 4,000  
lm/ft 1,004  
Watts 26  
W/ft 6.5  
LPW 155

IA6040: Asymmetric 60° at 40° Tilt



Length 48"  
LED HE80  
CRI/CCT 80+/3500K  
Lumens 4,000  
lm/ft 991  
Watts 28  
W/ft 7  
LPW 143

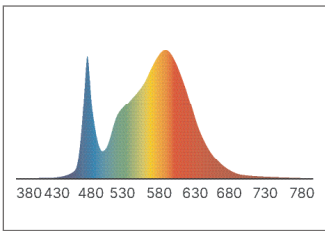
IA4560: Asymmetric 45° at 60° Tilt



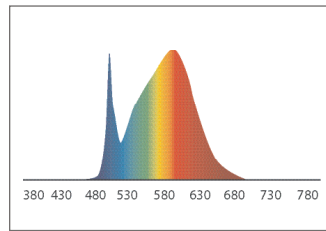
Length 48"  
LED HE80  
CRI/CCT 80+/3500K  
Lumens 4,000  
lm/ft 991  
Watts 28  
W/ft 7  
LPW 143

## LED SELECTION GUIDE

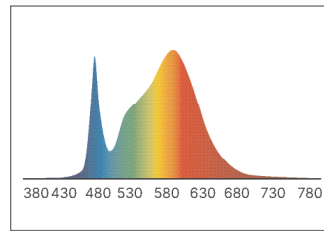
S80: Standard 80+ CRI



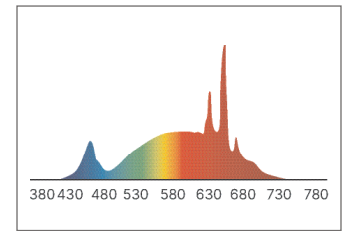
S90: Standard 90+ CRI



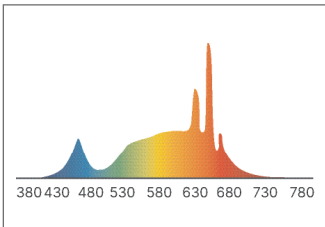
HE80: High-Efficiency 80+ CRI



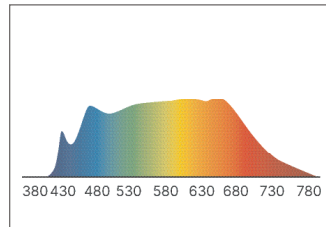
HE90: High-Efficiency 90+ CRI



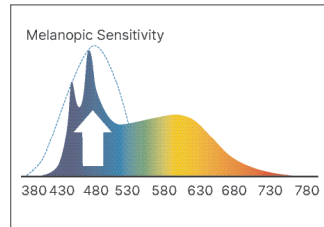
HD95: High-Definition 95+ CRI



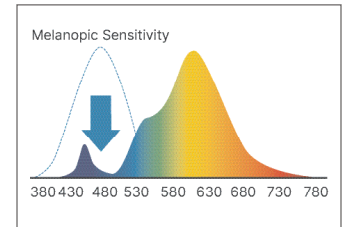
SUN: Full Spectrum "SunLike"



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

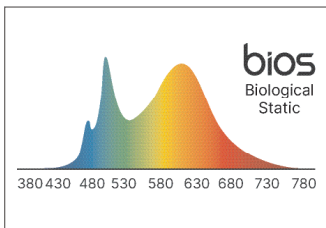
BIOS is offered in four Circadian LED Solutions with BIOS SkyBlue Technology — Biological Static, Biological Dynamic, Biological Tunable, and Biological Dim-to-Warm. BIOS SkyBlue™ Technology includes a blue peak at 490nm that provides an effective daytime circadian signal using standard architectural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



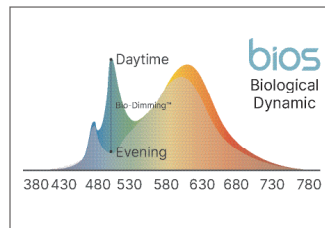
To learn more about BIOS Technology, please click or scan the QR Code.



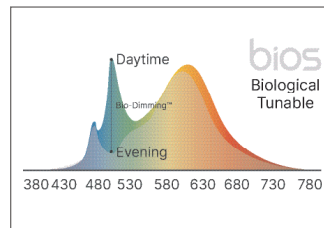
BIOS Static



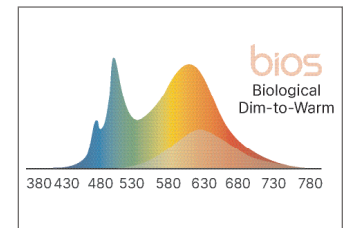
BIOS Dynamic



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 (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 your projects needs.



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.

#### Drywall/J-Box Mount

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

### Canopy

#### Canopy Sizes & Shapes

2" and 5", Round and Square

#### Canopy Colors



White (RAL9003)

Black (RAL9005)

#### Canopy Material

Powder Coated Steel

### Power Cords

#### 48" Cable Kit

White and Black

#### 96" Cable Kit

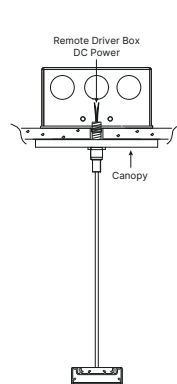
White and Black

### Mounting Options

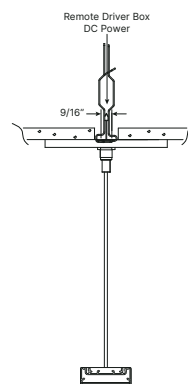
Typically suspended at a distance of between 24" and 72". Supplied hardware includes:

- Cable length adjustable at fixture level
- Standard 96" cord length or custom length
- Internal brackets to eliminate light leakage at joints

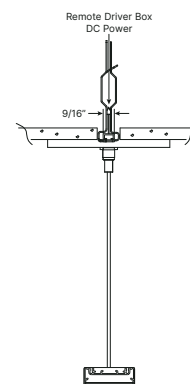
#### DJ - Drywall/J-Box Mount



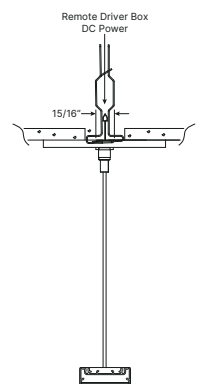
#### T1 - 9/16" Flat T-Bar Mount



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



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





## 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.

## 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
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### The Patent Corporation Treaty

World Intellectual Property Organization	WO2015200268
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### 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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