EDGESolo200 Surface

2.0" Edge-Lit Linear LED Surface Mount

XICO®

2.0"

Scale

Remote Driver

BA BA Act
Build America Buy America Act

UL LISTED

RoHS compliant
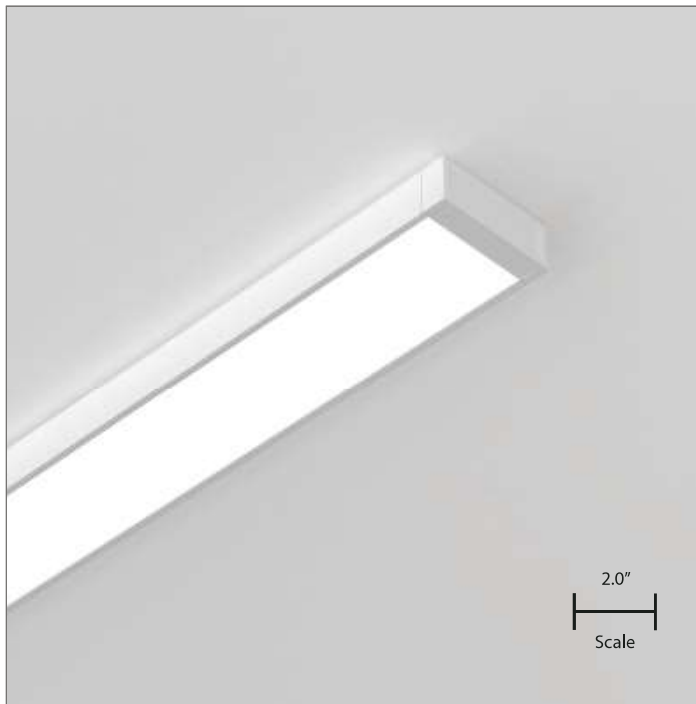
Designed & Built in
BOSTON

Declare

Red List Free

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

FIXTURE ORDERING

	Project Name	
	Fixture Type	

1) FIXTURE DESIGN

PRODUCT	MOUNTING TYPE	LENGTH	FINISH	END CAP
ESO200-S				

PRODUCT	MOUNTING TYPE		LENGTH		FINISH		END CAP	
2.0" Edge-Lit Linear LED Surface Mount	**DJ**	Drywall/J-Box Mount	**2FT**	2' nominal	**MWH**	Matte White (RAL9003)	**E1**	Flat End Cap
	M1	Magnet Mount	**4FT**	4' nominal	**MBK**	Matte Black (RAL9005)	**E2**	Chamfered End Cap
	T1	9/16" Flat T-Bar Mount	**6FT**	6' nominal	**MGR**	Matte Gray (RAL7001)		
	T2	9/16" Bolt Slot T-Bar Mount	**8FT**	8' nominal	**CAE**	Clear Anodized Effect		
	T3	15/16" Flat T-Bar Mount	**10FT**	10' nominal	**RAL_**	Specify RAL#		
			X_	Specify X', Y"				

2) LED LIGHT ENGINE

CRI		CCT		OPTIC		DIRECT BEAM PATTERN		DIRECT OUTPUT	
S80	Std. 80 CRI	**22**	2200K	**OFL**	Flush Lens	**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			**EMB**	Emergency Battery (10 W — Remote)	**COO**	Cooper
		FDDA	Factory DALI 0.1% Dim	**RX2D[2]**	Optional Remote XBox2 Driver, Up to 2 Drivers	**X_**	Specify Backup	**CAS**	Casambi
		FDDX	Factory DMX Dim					**X_**	Specify Control System
		FDTR	Factory TRIAC Dim	**RX3D[2]**	Optional Remote XBox3 Driver, Up to 3 Drivers				
		LD01	Lutron Hi-Lume 1% Dim						
		LD05	Lutron 5-Series 5% Dim	**RX5D[2]**	Optional Remote XBox5 Driver, Up to 5 Drivers				
		ED00	eldoLED 0-10V 0.1% Dim						
		ED01	eldoLED 0-10V 1% Dim						
		EDDA	eldoLED DALI 0.1% Dim						
		X_	Specify Driver						

4) ACCESSORIES & CONNECTIONS

POWER CORD		MOUNTING KIT	
S24WH	24" White Cable Kit	**SSMB**	Stainless Steel Surface Mounting Bracket
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.
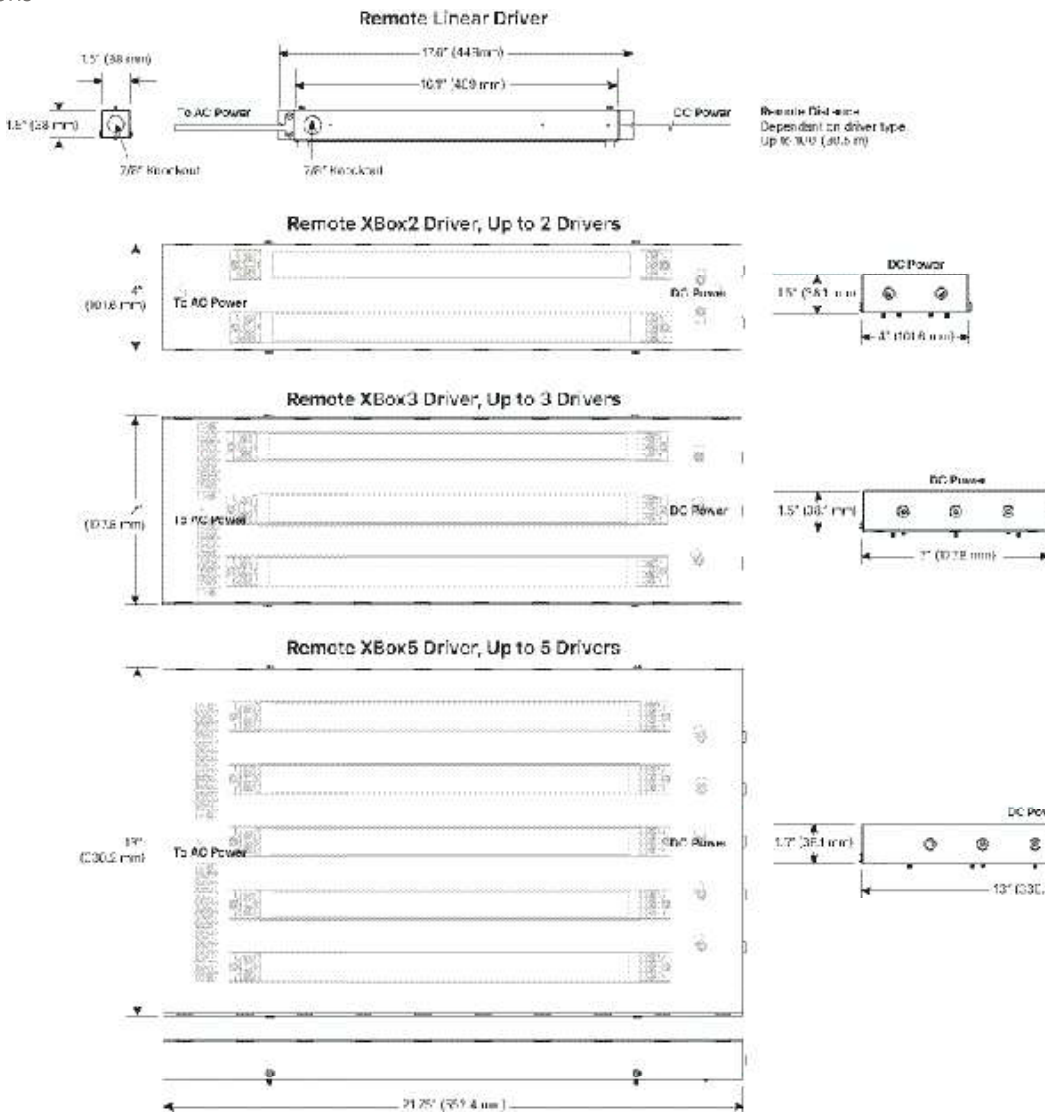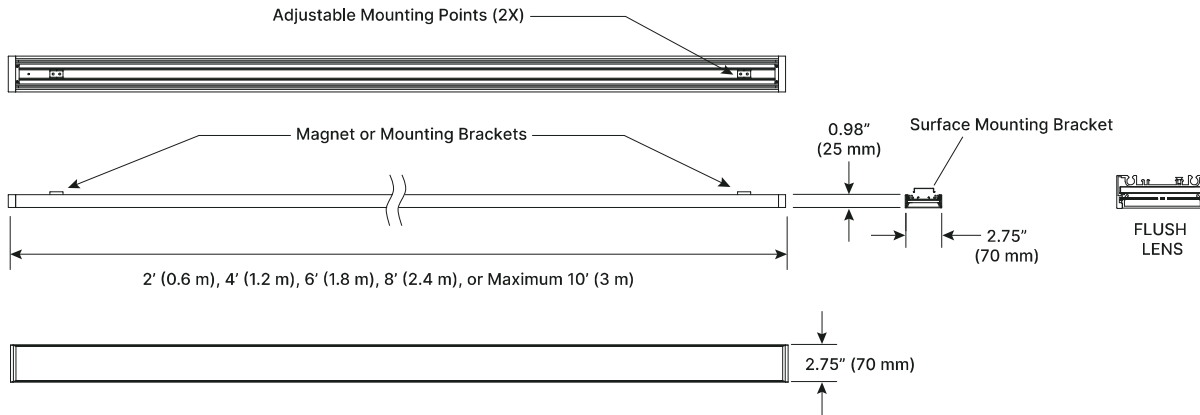
	Project Name	
NOTES	Fixture Type	

REMOTE DRIVER BOX

Dimensions

Remote Linear Driver

Remote XBox2 Driver, Up to 2 Drivers

Remote XBox3 Driver, Up to 3 Drivers

Remote XBox5 Driver, Up to 5 Drivers

FIXTURE DESIGN

Dimensions

Adjustable Mounting Points (2X)

Magnet or Mounting Brackets

0.98" (25 mm)

Surface Mounting Bracket

2.75" (70 mm)

FLUSH LENS

2' (0.6 m), 4' (1.2 m), 6' (1.8 m), 8' (2.4 m), or Maximum 10' (3 m)

2.75" (70 mm)

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

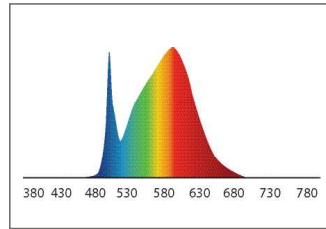| Lens Option | Flush |
| Lens Material | Patented SmartOptics® made from Acrylic (PMMA) |

Voltage

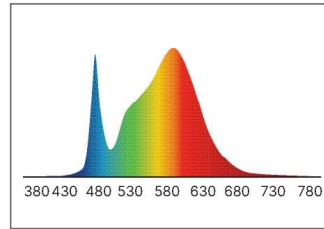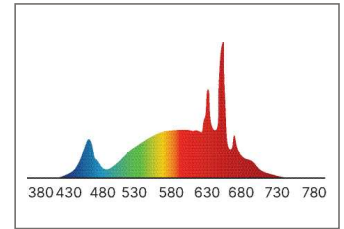| Fixture Voltage (AC) | 120–277 VAC and 347 VAC, 50/60 Hz |

LED SELECTION GUIDE

S80: Standard 80+ CRI
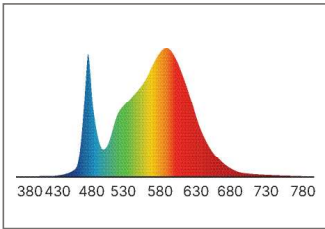
380 430 480 530 580 630 680 730 780

S90: Standard 90+ CRI

380 430 480 530 580 630 680 730 780

HE80: High-Efficiency 80+ CRI

380 430 480 530 580 630 680 730 780

HE90: High-Efficiency 90+ CRI

380 430 480 530 580 630 680 730 780

HD95: High-Definition 95+ CRI

380 430 480 530 580 630 680 730 780

SUN: Full Spectrum "SunLike"

380 430 480 530 580 630 680 730 780

HCD: Human Centric Day

Melanopic Sensitivity

380 430 480 530 580 630 680 730 780

HCN: Human Centric Night

Melanopic Sensitivity

380 430 480 530 580 630 680 730 780
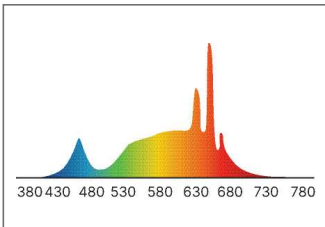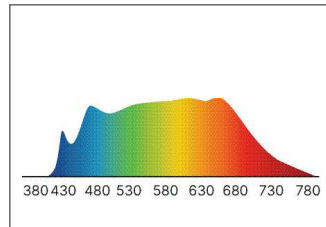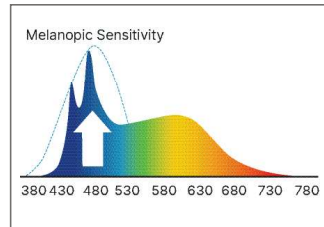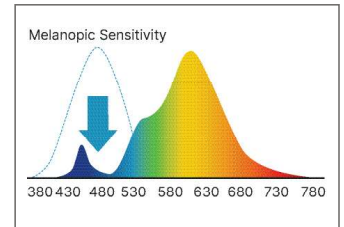
Static White Light (LED Light Engine Only)

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.
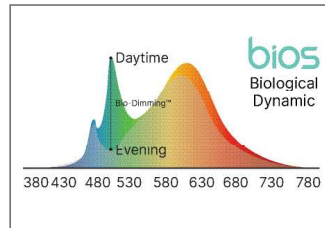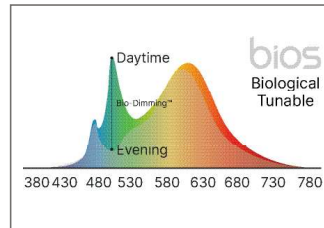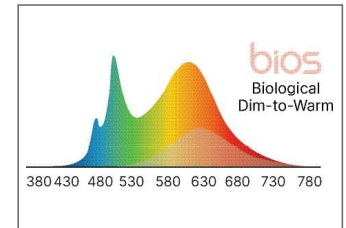

BIOS Static
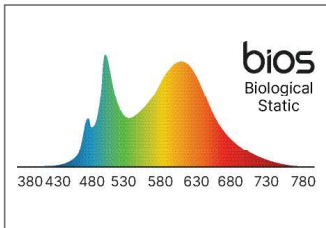
BIOS Dynamic

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

		BIO-DIMMING MODULE TECHNOLOGY GUIDE					
CODE	DESCRIPTION	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

®LUTRON.   COOPER   CASAMBI   eldoLED

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.

Flush Lens

Edge Honeycomb Baffle

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

Power Cords

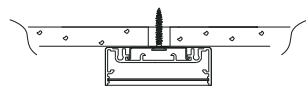|	
24" Cable Kit	White and Black

Mounting Kit

Surface Mounting Bracket	Stainless Steel

Mounting Options

DJ - Drywall/J-Box Mount

M1 - Magnet Mount

T1 - 9/16" Flat T-Bar Mount

Remote Driver Box
DC Power

9/16"

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

Remote Driver Box
DC Power

9/16"

T3 - 15/16" Flat T-Bar Mount

Remote Driver Box
DC Power
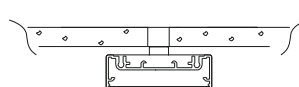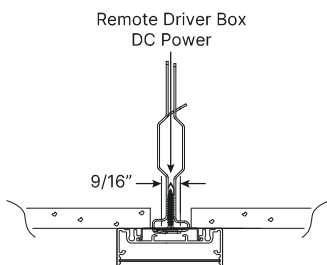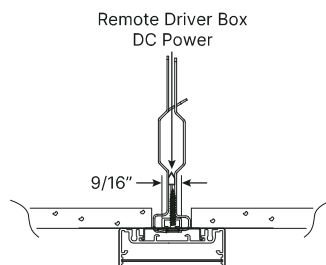
15/16"
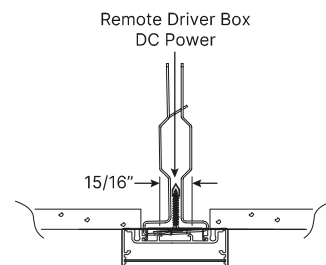
Standard Lengths & Continuous Runs

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.

Single Fixture

0.98"
(25 mm)

Magnet or Mounting Bracket

Maximum 10' (3 m)
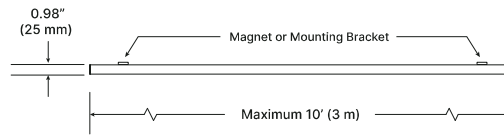
Standard Continuous Run

Remote Driver (2X)

AC Power

Magnet or Mounting Bracket (6X)

DC Power

DC Power

AC Power

Maximum 10' (3 m)   Maximum 10' (3 m)   Maximum 10' (3 m)
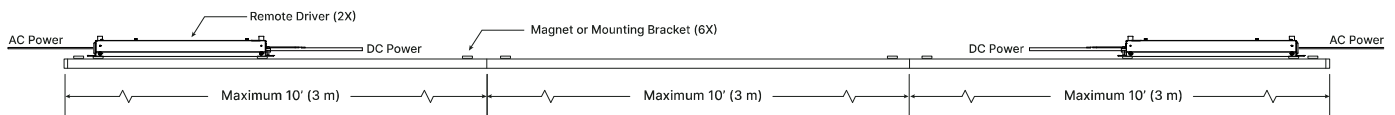
Emergency Battery Backup

EM Battery Backup

Remote Driver(s)
Based on Specifications

Power Input

Beginning of Run

End of Run

Emergency Area

Approx. 50% Output
4' (1.2 m)

0% Output

EM Area is Set to 4' (1.2 m) for All Fixture Lengths.
Fixtures Normal Power Maximum Output Level Set at Factory
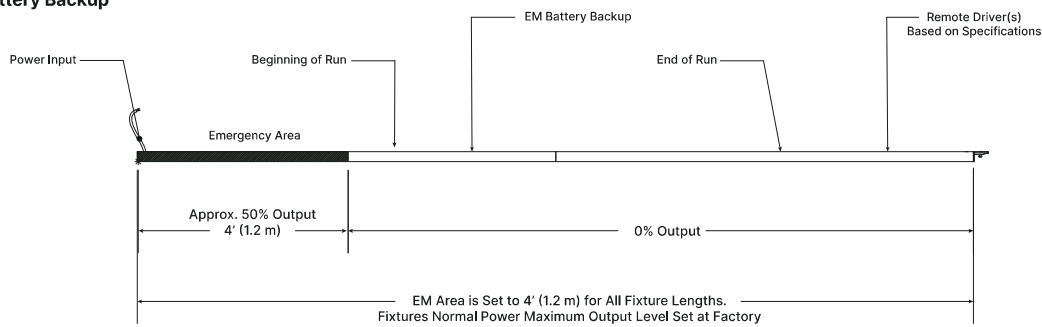
Battery Power: 10 W
Illumination Time: 90 minutes
Light Output approx 300 lm/ft or 1200–1300 Total Lumens*
Recharge Time: 24 Hours

*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.
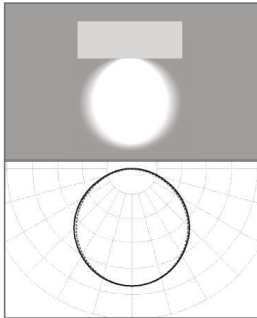
Red List Free

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	UL LISTED CSA RoHS 2002/95/EC IC RATED
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
Flush 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