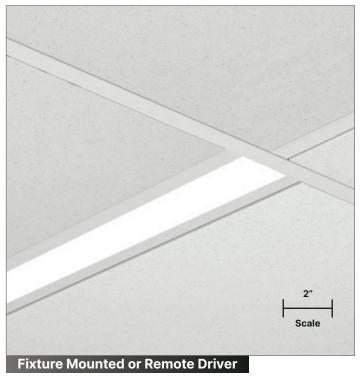
## **EDGE**Slot2 Recessed



2" Edge-Lit Linear LED T-Bar Ceiling & Drywall Mount





## **Features & Benefits**

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







## **FIXTURE ORDERING**

**Project Name** 

## 1) FIXTURE DESIGN

**Fixture Type** 

PRODUCT	MOU	NTING	FLAN	NGE STYLE	LENG	STH	FINISH		OPTIO	
ESL2-R										
2" Edge-Lit	DW	Drywall	F1	9/16" Flat	2	2'	MWH	Matte White (RAL9003)	OFL	Flush Lens
Linear LED	T1	9/16" Flat T-Bar	F2	9/16" Bolt-Slot	4	4'	MBK	Matte Black (RAL9005)	ORL	Regressed Lens
Drywall Mount	T2	9/16" Bolt-Slot T-Bar			6	6'	MGR	Matte Gray (RAL7001)		-
-	Т3	15/16" Flat T-Bar			8	8'	CAE	Clear Anodized Effect		
					10	10'	RAL_	Specify RAL#		
	X_	Specify Mounting Type			X_	Specify X', Y"				

## 2) LED LIGHT ENGINE

CRI		ССТ		DIRECT BE	AM PATTERN	DIRE	СТ ОИТРИТ
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			0_	Specify Im/ft
SUN	Full SunLike	50	5000K				
SBIOS	Static BIOS	3022D	3000K to 2200K Dim-to-Warm				
DBIOS	Dynamic BIOS	3527D	3500K to 2700K Dim-to-Warm				
TBIOS	Tunable White BIOS	X_	Specify CCT				

## 3) FIXTURE POWER & CONTROLS

LINE VOLTAGE (DC) DRIVER LOCATION		DRIVER (POWER)		REMOTE DRIVER BOX1		EMERGENCY BACKUP		CONTROL SYSTEM <sup>3</sup>			
UNV 347	120/277V 347V	FMD RD	Fixture Mounted Driver Remote Driver	FDND FD01 FD10 FDDA FDDX FDTR LD01 LD05 ED00 ED01 EDDA X_	Factory Non-Dimming Factory 0-10V 1% Dim Factory 0-10V 10% Dim Factory DALI 0.1% Dim Factory DMX Dim Factory TRIAC Dim Lutron Hi-Lume 1% Dim Lutron 5-Series 5% Dim eldoLED 0-10V 0.1% Dim eldoLED 0-10V 1% Dim eldoLED DALI 0.1% Dim Specify Driver	NN RLDB <sup>2</sup> RX2D <sup>2</sup> RX3D <sup>2</sup>	Not Needed Remote Linear Driver Box (driver included by default) Optional Remote XBox2 Driver, Up to 2 Drivers Optional Remote XBox3 Driver, Up to 3 Drivers Optional Remote XBox5 Driver, Up to 5 Drivers	NN EMC EMB10	Not Needed Emergency Circuit Emergency Battery (10 W — Onboard or Remote) Specify Emergency Backup	NN LUT COO CAS X_	Not Needed Lutron Cooper Casambi Specify Control System

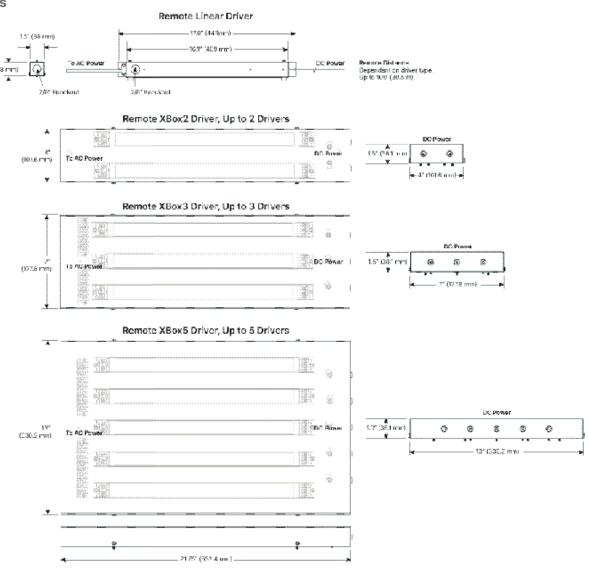
Footnotes: 1 Remote distance is dependent on driver type, up to 100' (30.5 m). 2 Creates a clean and organized power solution for multiple fixture installations.

<sup>&</sup>lt;sup>3</sup> The control system and driver must be compatible.

	Project Name	
NOTES	Fixture Type	

## **REMOTE DRIVER BOX**

## **Dimensions**

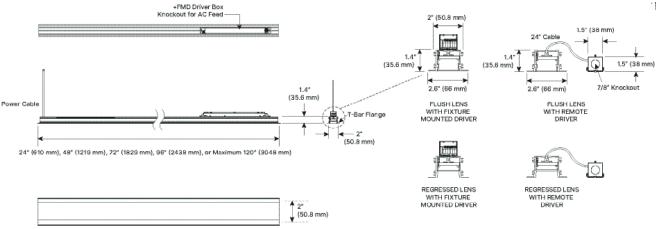


## **FIXTURE DESIGN**

#### **Dimensions**



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



#### Length

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

## **Finish**

## **Housing Colors (Matte Finish)**



**Housing Material** 6063-T5 extruded, recycled aluminum

Mounting Brackets Sheet metal

Optic

**Lens Options** Flush and Regressed

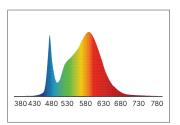
Lens Material Patented SmartOptics® made from Acrylic (PMMA)

Voltage

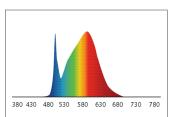
Fixture Voltage (AC) 120–277 VAC and 347 VAC, 50/60 Hz

## **LED SELECTION GUIDE**

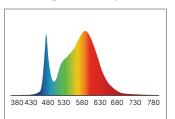
S80: Standard 80+ CRI



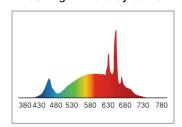
S90: Standard 90+ CRI



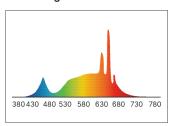
HE80: High-Efficiency 80+ CRI



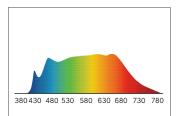
HE90: High-Efficiency 90+ CRI



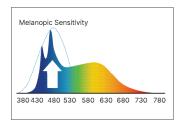
HD95: High-Definition 95+ CRI



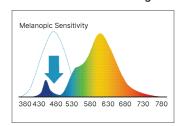
SUN: Full Spectrum "SunLike"



**HCD:** Human Centric Day



**HCN:** Human Centric Night



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

			TYPICAL LED DATA						
CODE	DESCRIPTION	ССТ	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**

	CCT SELECTED								
CODE	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**

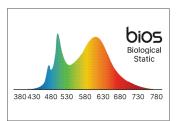
# **Choosing Your BIOS Solution**

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.

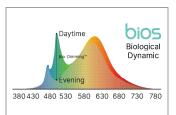
To learn more about BIOS Technology, please click or scan the QR Code.



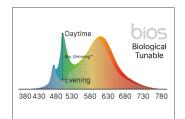
#### **BIOS Static**



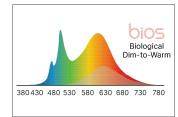
#### **BIOS Dynamic**



#### **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**

			BIO	-DIMMING MOD	ULE TECHNOI	LOGY GUIDE	
CODE	DESCRIPTION	Driver	Driver Voltage	сст	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		0-10V Intensity	500K Shift	Yes	Intensity Dimming & Spectrum Change Controlled Together	Removed with BIO-Dimming
DBIOS-2	BIOS Dynamic (Two Channel)	BIODIM1	Dimming to 1% Dim-to-Dark		No	Intensity Dimming & Spectrum Change Controlled Separately	Removed by Adjusting "Spectrum Channel"
TBIOS	BIOS Tunable		0-10V Control of Intensity & CCT on Separate		Yes	Intensity Dimming & Spectrum Change Controlled Together	Removed with BIO-Dimming
TBIOS-2	BIOS Tunable (Two Channel)	ATW / DTW	2 Channels / DALI Control of Intensity & CCT on Separate 2 Channels	Dims to 2700K	No	Intensity Dimming & Spectrum Change Controlled Separately	Removed by Adjusting "Spectrum Channel"
DWBIOS	BIOS Dim-to-Warm				Yes	Intensity Dimming & Spectrum Change Controlled Together	Removed with BIO-Dimming
DWBIOS-2	BIOS Dim-to-Warm (Two Channel)	_	-	Dims to 2200K	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 or 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 Drivers (Remote Drivers Sold Separately)** 

Factory Non-Dimming, Factory 0-10V 1% Dim, Factory 0-10V 10% Dim, Factory DALI 0.1% Dim, Factory Other

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)

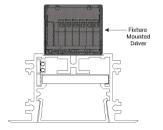
Hi-Lume 1% Dimming and 5-Series 5% Dimming Lutron

Cooper Compatible driver Casambi (wireless) Compatible driver

**XBox** 

**Remote Driver Boxes** To create a clean and organized power solution for multiple fixture installations see our XBox

(Optional) Specification Guide. Reach out to a XICO Sales Representative to discuss you projects needs.



Fixture Mounted Drivers mount on top of the fixture. They provide 0-10V, DALI, DMX, and TRIAC dimming. Also compatible with Cooper and other common building control systems, including PoE and wireless.

## 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







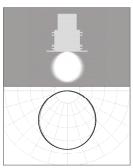
For details on our warranty and business terms, please click or scan the QR Code.

	BEAM PATTERN					
OPTIC	DLAM	DBW65	DA5025			
Flush Lens	•	•	•			
Regressed Lens	•	•	•			

## **DIRECT PHOTOMETRICS**

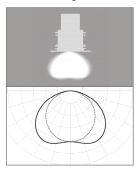
**Static White Light** 

**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+/3500
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

## **PATENTS & TRADEMARKS**



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

## **Utility Patents**

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

