EDGESolo325 Woodworks®

3.25" x 1.0" Edge-Lit Linear for Wood Ceiling Grids

XICO®

3.25"

Scale
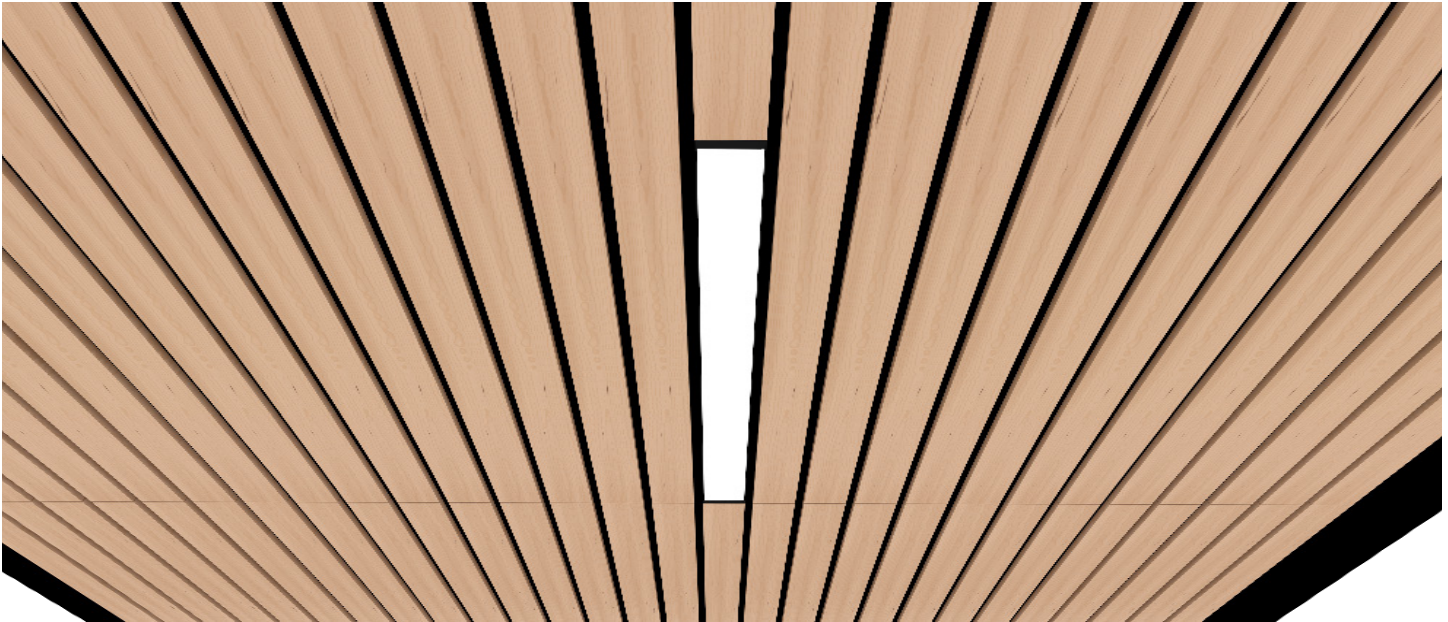
Remote Driver

Features & Benefits

Exceptional Performance
3.25" x 1.0" form factor; up to 1,000 lm/ft at >135 lm/W

Wide Range of LED Selections
Static and Tunable White. Choice of 80/90/95+ CRI, 2200K to 5000K CCT, including dim-to-warm.

Light Distributions and Controls Options
Wide choice of SmartOptic® lenses, beam distributions, 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	MOUNTING TYPE	LENGTH	END CAP	FINISH
ESO325-WW				

3.25" Aperature
Linear Downlight for
Woodworks Ceiling Grids

A1	Grille Classic	**2FT**	2ft nominal	**E1**	Flat style end cap	**MWH**	Matte White (RAL9003)
A2	Grille Tegular 9/16"	**4FT**	4ft nominal	**E2**	Chamfered decorative	**MBK**	Matte Black (RAL9005)
A3	Grille Tegular 15/16"	**6FT**	6ft nominal		style end cap	**MGR**	Matte Gray (RAL7001)
A4	Grille Forte	**8FT**	8ft nominal			**CAE**	Clear Anodised Effect
A5	Linear Solid Wood Panels						
A6	Linear Veneered Panels	**X_**	Specify X', Y"			**RAL_**	Specify RAL#

2) LIGHT ENGINE & OPTICS

CRI		CCT		OPTIC		DIRECT BEAM PATTERN		DIRECT OUTPUT	
S80	Std. 80 CRI	**22**	2200K	**ORL**	Regressed Lens	**DLAM**	Lambertian	**35**	350 lm/ft
S90	Std. 90 CRI	**27**	2700K	**ORLBB**	Regressed Lens	**DBW65**	Batwing 65°	**50**	500 lm/ft
HE80	High-Eff. 80 CRI	**30**	3000K		+ Black Baffle	**DM70**	Medium 70°	**75**	750 lm/ft
HE90	High-Eff. 90 CRI	**35**	3500K	**ORLWB**	Regressed Lens	**DM50**	Medium 50°	**100**	1,000 lm/ft
HD95	High-Def. 95 CRI	**40**	4000K		+ White Baffle	**DA5025**	Asymmetric 50° at 25° Tilt		
SUN	Full SunLike	**50**	5000K	**OFL**	Flush Lens			**X_**	Specify lm/ft
						X_	Specify Beam		
		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	**EMC**	Emergency Circuit	**LUT**	Lutron
		FD10	Factory 0-10V 10% Dim		(driver included by default)	**EMB**	Emergency Battery	**COO**	Cooper
		FDDA	Factory DALI 0.1% Dim	**RX2D[2]**	Optional Remote XBox2		(10 W — Remote)	**CAS**	Casambi
		FDDX	Factory DMX Dim		Driver, Up to 2 Drivers				
		FDTR	Factory TRIAC Dim	**RX3D[2]**	Optional Remote XBox3	**X_**	Specify Backup	**X_**	Specify Control
		LD01	Lutron Hi-Lume 1% Dim		Driver, Up to 3 Drivers				System
		LD05	Lutron 5-Series 5% Dim	**RX5D[2]**	Optional Remote XBox5				
		ED00	eldoLED 0-10V 0.1% Dim		Driver, Up to 5 Drivers				
		ED01	eldoLED 0-10V 1% Dim						
		EDDA	eldoLED DALI 0.1% Dim						
		X_	Specify Driver						

4) CONNECTIONS & ACCESSORIES

POWER CORD		MOUNTING KIT	
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.
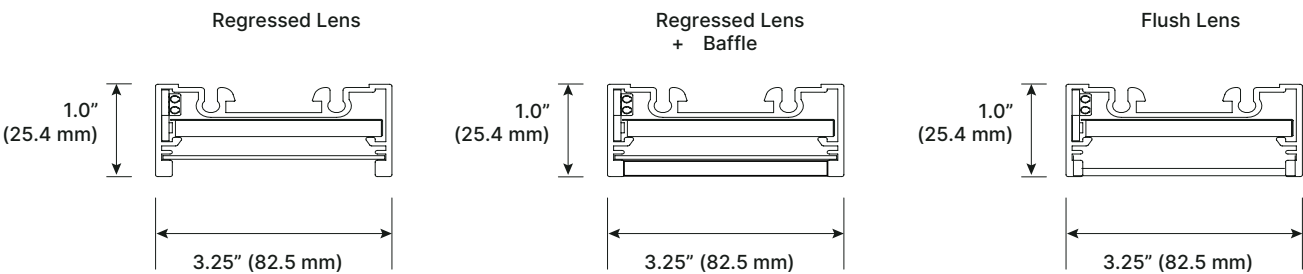[3] The control system and driver must be compatible.
Footnotes: [1] Continuous Regressed Lens ships on a roll for seamless lens installation.   [2] Remote distance is dependent on driver type, up to 100' (30.5 m).
[3] Creates a clean and organized power solution for multiple fixture installations.   [4] The control system and driver must be compatible.
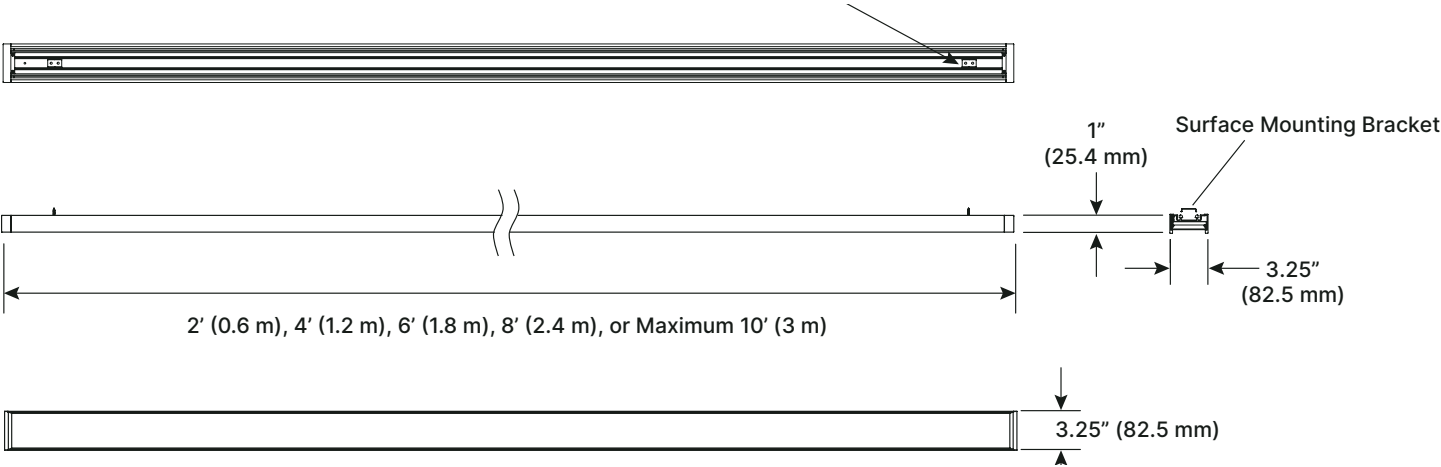
Project Name	
NOTES Fixture Type	

FIXTURE DESIGN

Cross Section

Regressed Lens

1.0"
(25.4 mm)

3.25" (82.5 mm)

Regressed Lens
+ Baffle

1.0"
(25.4 mm)

3.25" (82.5 mm)

Flush Lens

1.0"
(25.4 mm)

3.25" (82.5 mm)

Linear Dimensions

1"
(25.4 mm)

Surface Mounting Bracket

3.25"
(82.5 mm)

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

3.25" (82.5 mm)

DESIGN CHOICES

Finish

Housing Colors (Matte Finish)

White (RAL9003)   Black (RAL9005)   Gray (RAL7001)   Clear Anodized Effect   Custom RAL
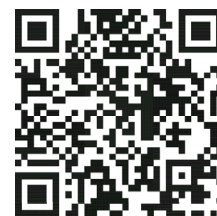
To download BIM (Revit) Files, please click or scan the QR Code.

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, Regressed with Baffle or Flush Lens
Lens Material	Patented SmartOptics® made from Acrylic (PMMA)

Voltage

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

Remote Driver Housings

Remote Linear Driver

Remote XBox2 Driver, Up to 2 Drivers

Remote XBox3 Driver, Up to 3 Drivers
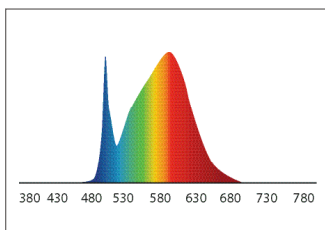
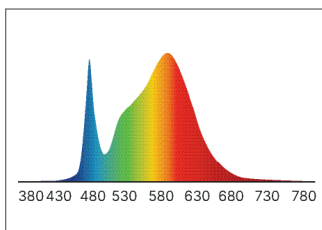Remote XBox5 Driver, Up to 5 Drivers
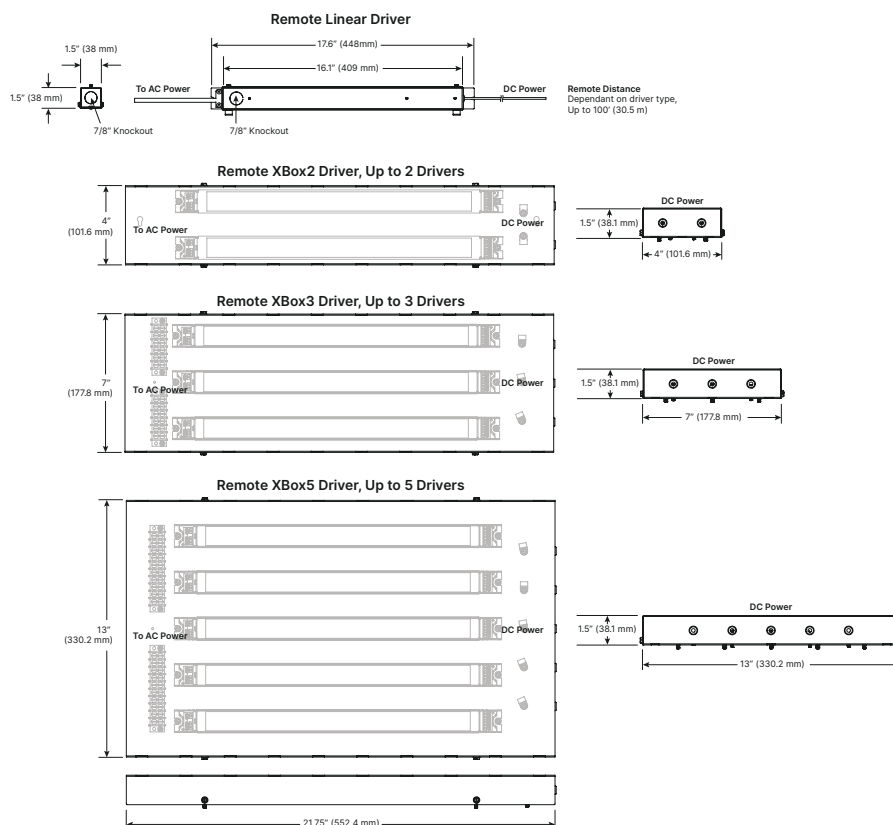
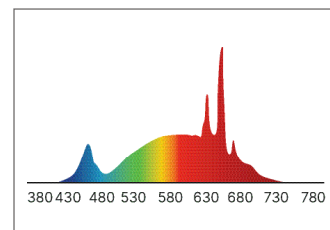# LED SELECTION GUIDE

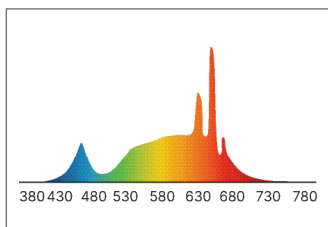**S80: Standard 80+ CRI**
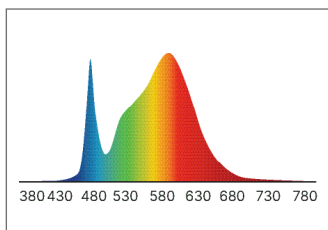
S90: Standard 90+ CRI

HE80: High-Efficiency 80+ CRI
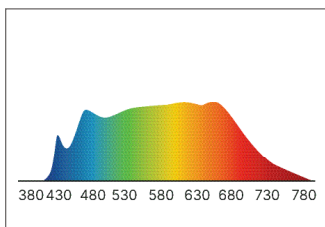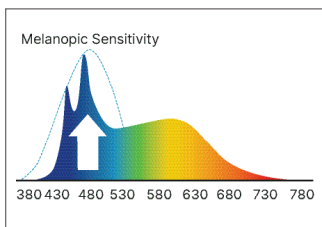

HE90: High-Efficiency 90+ CRI

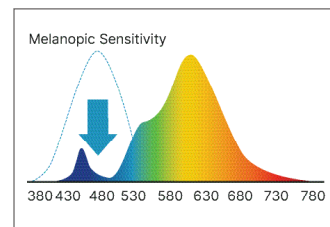**HD95: High-Definition 95+ CRI**

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.
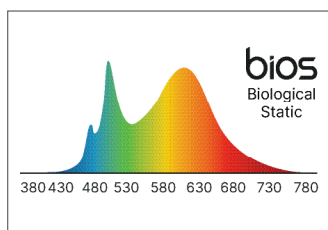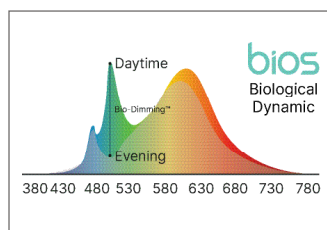
BIOS Static	**BIOS Dynamic**	**BIOS Tunable**	**BIOS Dim-to-Warm**
Daytime	**Daytime & Evening**	**Daytime & Evening**	**Daytime & Evening**
No color change when dimmed	500K shift when dimmed	Dims to 2700K	Dims from cool to warm
Spaces that operate during daytime hours — 7am and 7pm	Spaces that operate overnight — after 7pm and before 7am	Spaces that operate with overnight shifts — after 7pm and before 7am	Spaces where people sleep — after 7pm and before 7am
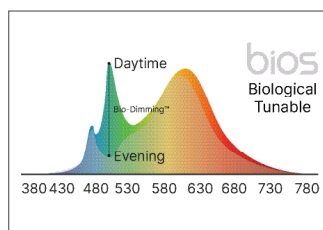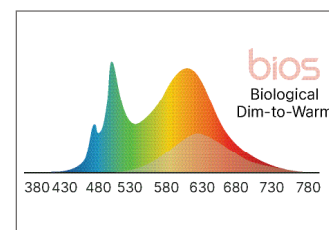
Circadian and Human Centric Light

		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"

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.

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
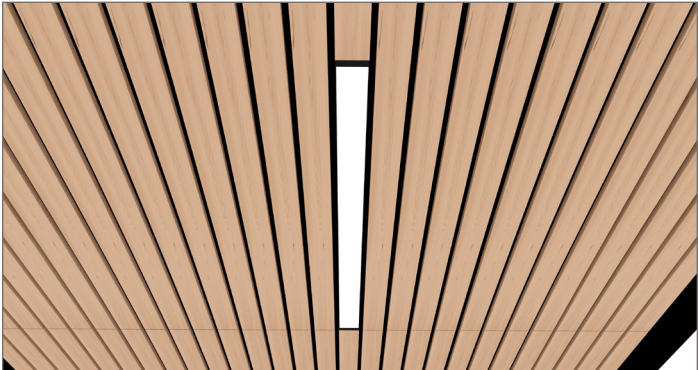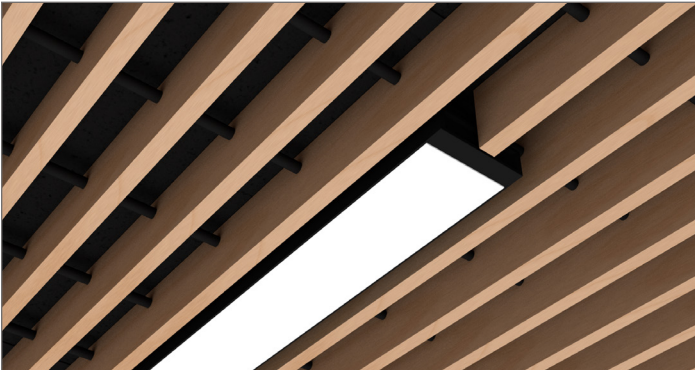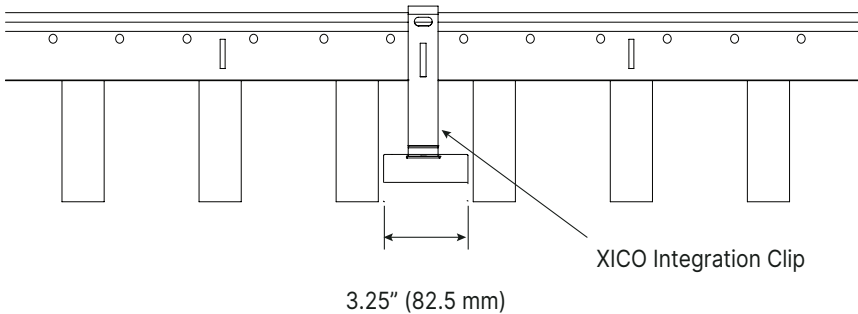
24" Cable Kit   White and Black

Mounting Kit

Surface Mounting Bracket   Stainless Steel
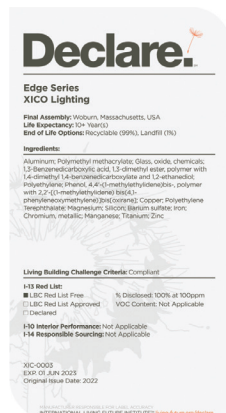
Mounting Options

Mounting Method

XICO Integration Clip

3.25" (82.5 mm)

ARMSTRONG® WOODWORKS®	TYPE		
	SOLO200	SOLO325	SOLO525
WoodWorks® Grille Classic	●	●	●
WoodWorks® Grille Tegular 9/16"	●	●	●
WoodWorks® Grille Tegular 15/16"	●	●	●
WoodWorks® Grille Forte	●	●	●
WoodWorks® Linear Solid Wood panels	●	●	●
WoodWorks® Linear Veneered panels		●	●

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

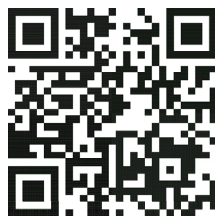|	
Manufacturing	All XICO products and associated optics and LED engines are assembled at our factory in Woburn, MA
Quality Assurance	Each product is engineered reliability and quality assurance tested

Warranty & Terms

5-YR Warranty

Business Terms

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

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.
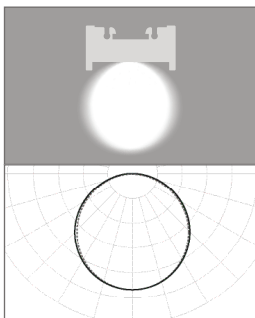
DIRECT PHOTOMETRICS

OPTIC	BEAM PATTERN				
	DLAM	**DBW65**	**DM70**	**DM50**	**DA5025**
Regressed Lens	●	●	●	●	●
Flush Lens	●				

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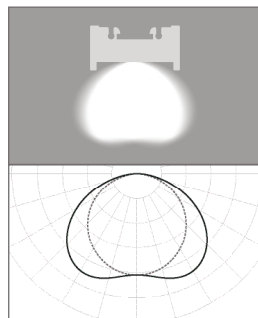
Length	48"
LED	HE80
CRI/CCT	80+/3500K
Lumens	3,000
lm/ft	743
Watts	27
W/ft	6.8
LPW	109

DA5025: Asymmetric 50° at 25° Tilt
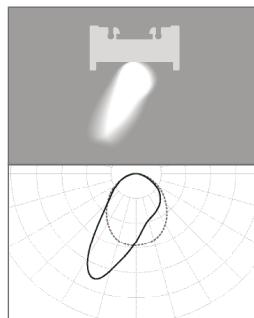
Length	48"
LED	HE80
CRI/CCT	80+/3500K
Lumens	3,000
lm/ft	738
Watts	10.5
W/ft	5.3
LPW	141

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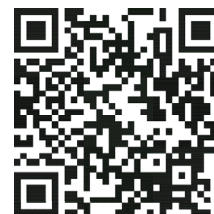
To learn more about our
unique technologies,
please click or scan
the QR Code.

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

XICO®