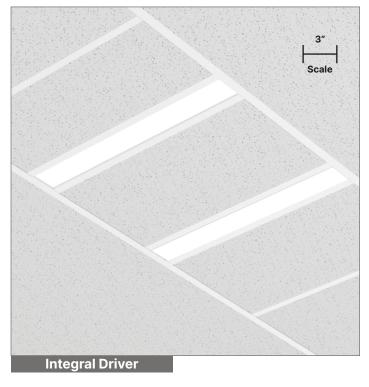
PROBeam3 Recessed



3" High-Performance Linear LED Recessed Mount





Features & Benefits

Exceptional Performance
Up to 1,500 lm/ft, 150 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**







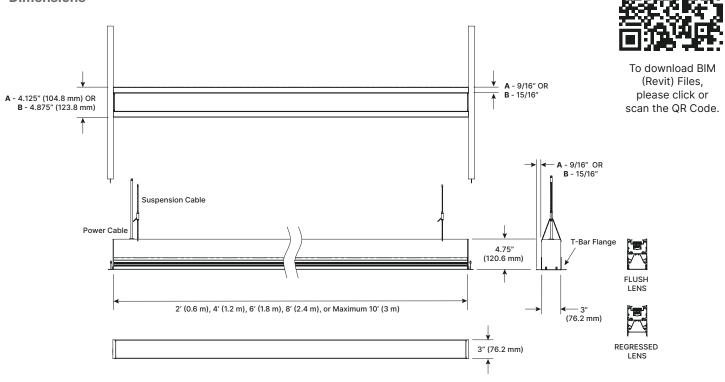
FIXTURE ORDERING **Project Name Fixture Type** 1) FIXTURE DESIGN **PRODUCT FLANGE TYPE LENGTH FINISH** OPTIC PBE3-R 3" High-9/16" Flat T-Bar 2 MWH Matte White (RAL9003) OFL Flush Lens Performance F2 9/16" Bolt Slot T-Bar 4 4' MBK Matte Black (RAL9005) ORL Regressed Lens F3 15/16" Flat T-Bar 6 6' MGR Matte Gray (RAL7001) **OCRL** Continuous Regressed Lens¹ Linear LED Recessed Mount MK Mud-In Kit 8 8' CAE Clear Anodized Effect 10 10' RAL Specify RAL# Specify X', Y' X_ 2) LED LIGHT ENGINE CRI CCT **DIRECT BEAM PATTERN** DIRECT OUTPUT 2200K 350 lm/ft S80 Std. 80 CRI 22 DLAM Lambertian 27 2700K **DBW60** S90 Std. 90 CRI Batwing 60° 50 500 lm/ft HE80 High-Eff. 80 CRI 30 3000K DDA70 Double Asymmetric 70° 75 750 lm/ft HE90 High-Eff. 90 CRI 35 3500K DA5025 Asymmetric 50° at 25° Tilt 1,000 lm/ft Asymmetric 40° at 5° Tilt HD95 High-Def. 95 CRI 40 4000K DA4005 125 1,250 lm/ft Medium 55° SUN Full SunLike 50 5000K **DM55** 1.500 lm/ft 150 3000K to 2200K Dim-to-Warm 3022D Narrow 40° Specify Im/ft SRIOS Static BIOS **DN40** X_{-} **DBIOS** Dynamic BIOS 3527D 3500K to 2700K Dim-to-Warm X_ Specify Beam **TBIOS Tunable White BIOS** Specify CCT Χ_ 3) FIXTURE POWER & CONTROLS LINE VOLTAGE (DC) INTEGRAL DRIVER (POWER) **EMERGENCY BACKUP CONTROL SYSTEM²** UNV 120/277V **FDND Factory Non-Dimming** NN Not Needed NN Not Needed 347 347V FD01 Factory 0-10V 1% Dim **EMC Emergency Circuit** LUT Lutron Emergency Battery FD10 Factory 0-10V 10% Dim **EMB** coo Cooper Factory DALI 0.1% Dim (10 W — Onboard) **FDDA** CAS Casambi Factory DMX Dim **FDDX** Specify Backup Х X_{-} Specify Control System **FDTR** Factory TRIAC Dim LD01 Lutron Hi-Lume 1% Dim LD05 Lutron 5-Series 5% Dim ED00 eldoLED 0-10V 0.1% Dim FD01 eldoLED 0-10V 1% Dim **EDDA** eldoLED DALI 0.1% Dim Specify Driver 4) FIXTURE MOUNTING & CONNECTIONS **POWER CORD** S24WH 24" White Cable Kit S24BK 24" Black Cable Kit

Footnotes: 1 Continuous Regressed Lens ships on a roll for seamless lens installation. 2 The control system and driver must be compatible.

NOTES

FIXTURE DESIGN

Dimensions



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, Regressed, and Continuous Regressed

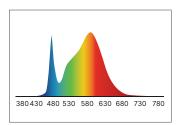
 Lens Material
 Patented SmartOptics® made from Acrylic (PMMA)

Voltage

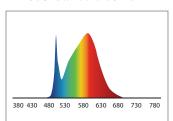
Fixture Voltage (AC) 120–277 VAC and 347 VAC, 50/60 Hz

LED SELECTION GUIDE

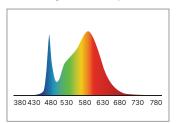
S80: Standard 80+ CRI



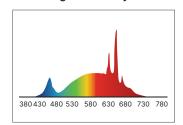
S90: Standard 90+ CRI



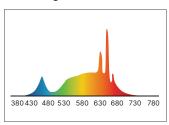
HE80: High-Efficiency 80+ CRI



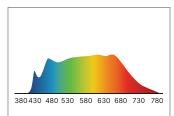
HE90: High-Efficiency 90+ CRI



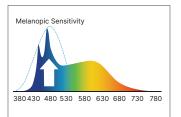
HD95: High-Definition 95+ CRI



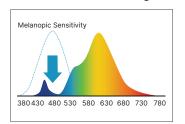
SUN: Full Spectrum "SunLike"



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

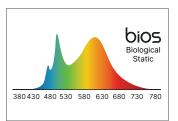


To learn more about BIOS Technology, please click or scan the QR Code.

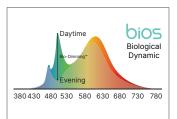


BIOS is offered in four Circadian LED Solutions with BIOS SkyBlue Technology — Biological Static, Biological Dynamic, Biological Tunable, and Biological Dim-to-Warm. BIOS SkyBlue™ Technology includes a blue peak at 490nm that provides an effective daytime circadian signal using standard architectural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

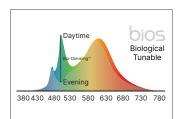
BIOS Static



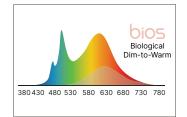
BIOS Dynamic



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	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 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)	BIODIM1			No	Intensity Dimming & Spectrum Change Controlled Separately	Removed by Adjusting "Spectrum Channel"		
TBIOS	BIOS Tunable		.	Dims to 2700K	Yes	Intensity Dimming & Spectrum Change Controlled Together	Removed with BIO-Dimming		
TBIOS-2	BIOS Tunable (Two Channel)	ATW / DTW			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), and other emergency backups are available

Wiring Typically the Emergency Backup is wired to 48" sections

Power 10 W

\$LUTRON

Illumination Time 90 minutes

Partners



Control Systems Integral Drivers

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

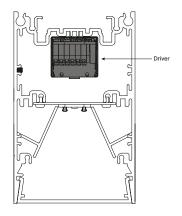
DMX Dim, Factory TRIAC Dim, eldoLED 0-10V 0.1% Dim, eldoLED 0-10V 1% Dim, eldoLED DALI 0.1% Dim,

and other drivers are available, consult factory (not all integral)

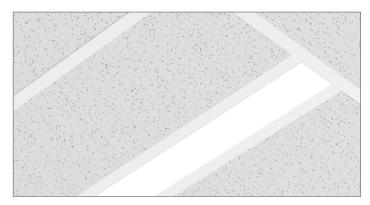
Lutron Hi-Lume 1% Dimming and 5-Series 5% Dimming

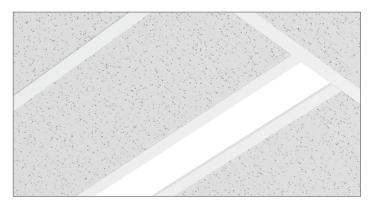
 Cooper
 Compatible driver

 Casambi (wireless)
 Compatible driver



Drivers are integral to the fixture and are included. They provide 0-10V, DALI, DMX, and TRIAC dimming. Also compatible with Cooper and other common building control systems, including PoE and wireless.





Flush Lens Regressed Lens

FIXTURE MOUNTING & CONNECTIONS

Mounting Type

Recessed Mount Installs into a surface. Available with a range of accessories, mounts and inserts that provide easy

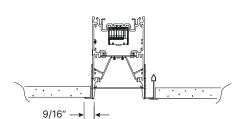
customization of visual appearance and performance enhancements.

Cable Kit

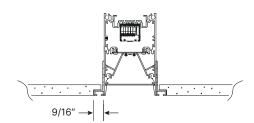
Suspension Cable Stainless Steel

Mounting Options

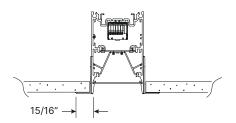
F1 - 9/16" Flat T-Bar Mount



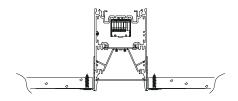
F2 - 9/16" Bolt Slot T-Bar Mount



F3 - 15/16" Flat T-Bar Mount



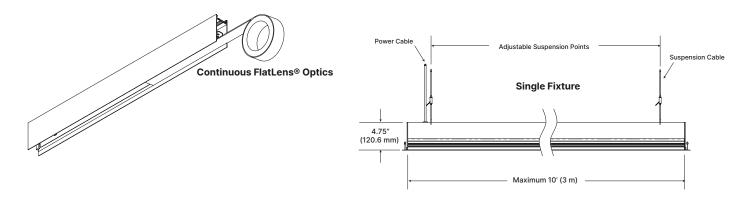
MK - Mud-In Kit

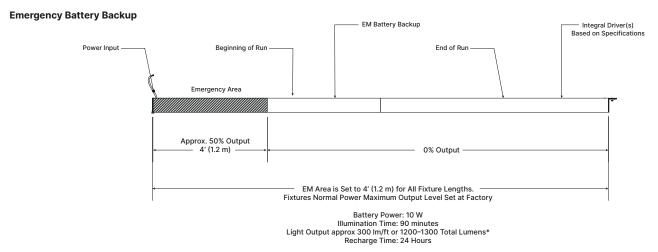


Standard Lengths & Continuous Runs

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.

Continuous Regressed Lens is supplied in a maximum 250' roll length with Continuous FlatLENS Optics to be installed on-site for a seamless light surface.





*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







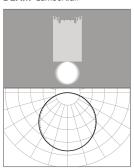
For details on our warranty and business terms, please click or scan the QR Code.

	BEAM PATTERN							
OPTIC	DLAM	DBW60	DDA70	DA5025	DA4005	DM55	DN40	
Flush Lens	•	•	•	•	•	•	•	
Regressed Lens	•	•	•	•	•	•	•	

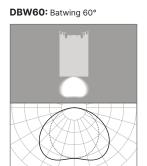
DIRECT PHOTOMETRICS

Static White Light

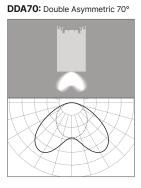
DLAM: Lambertian



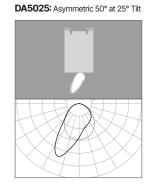
Length	48"
LED	HE90
CRI/CCT	90+/3500K
Lumens	3,000
lm/ft	750
Watts	21
W/ft	5.28
I DW	1/12



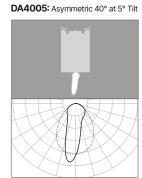
Length	48"
LED	HE90
CRI/CCT	90+/3500K
Lumens	3,000
lm/ft	750
Watts	21
W/ft	5.17
I DW	145



Length	48"
LED	HE90
CRI/CCT	90+/3500K
Lumens	3,000
lm/ft	750
Watts	22
W/ft	5.43
LPW	138

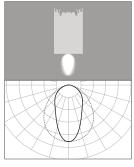


Length	48"
LED	HE90
CRI/CCT	90+/3500K
Lumens	3,000
lm/ft	750
Watts	21
W/ft	5.24
LPW	143

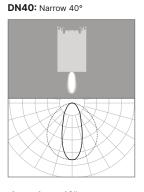


Length	48"
LED	HE90
CRI/CCT	90+/3500K
Lumens	3,000
lm/ft	750
Watts	22
W/ft	5.39
LPW	139

DM55: Medium55°



Length	48"			
LED	HE90			
CRI/CCT	90+/3500K			
Lumens	3,000			
lm/ft	750			
Watts	22			
W/ft	5.47			
LPW	137			



Length	48"
LED	HE90
CRI/CCT	90+/3500K
Lumens	3,000
lm/ft	750
Watts	22
W/ft	5.51
LPW	136

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

