MICROWedge



0.5" x 1.4" Low-Profile Linear LED Wedge Rail





Features & Benefits

Ultra-Slim 0.5" Profile

Excellent choice for surface mounting and shallow coves

Exceptional Performance

Up to 1,000 lm/ft, 150 lm/W efficacy

Wide Range of LED Selections

Static White, Tunable White, Dim-to-Warm

Designed with Options

SmartBeam® technology, asymmetric beam distribution, 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

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 **DAISY CHAIN END CAP FINISH** OPTIC **MWE140** 1.4" Low-Profile DN E1 Flat End Cap MWH Matte White (RAL9003) OA 1' Standard No Asymmetric Lens Linear LED 2FT 2' Standard DY Yes MBK Matte Black (RAL9005) Wedge Rail 2FT 3' Standard MGR Matte Gray (RAL7001) 4FT 4' Standard

CUSTOM

CAE

RAL_

Clear Anodized Effect

Specify RAL#

2) LED LIGHT ENGINE

CUSTOM

CRI		ССТ		BEAM PA	TTERN	LUMEN OUT	ГРИТ
S80	Std. 80 CRI	22	2200K	A4015	Asymmetric 40° at 15° Tilt	25	250 lm/ft
S90	Std. 90 CRI	27	2700K	71-010	7.6yililliotilo 40 de lo Tile	35	350 lm/ft
HE80	High-Eff. 80 CRI	30	3000K			50	500 lm/ft
HE90	High-Eff. 90 CRI	35	3500K			75	750 lm/ft
HD95	High-Def. 95 CRI	40	4000K			100	1,000 lm/ft
SUN	Full SunLike	50	5000K				
		3022D	3000K to 2200K Dim-to-Warm			CUSTOM	Custom to within
		3527D	3500K to 2700K Dim-to-Warm				50lm/ft subject to factory approval

3) FIXTURE MOUNTING & CONNECTIONS

Call Factory

for Support

MOUN	ITING TYPE	POWER CO	DRD	CONN	ECTOR (DC)	
SMC	Surface Mount Clip	PC12WH	12" White Power Cord	sw	Strip Wire	
TC1	9/16" Flat T-Bar Mount Clip	PC24WH	24" White Power Cord	FP	Factory Plug	
TC2	9/16" Bolt Slot T-Bar Mount Clip	PC24BK	24" Black Power Cord			
TC3	15/16" Flat T-Bar Mount Clip					

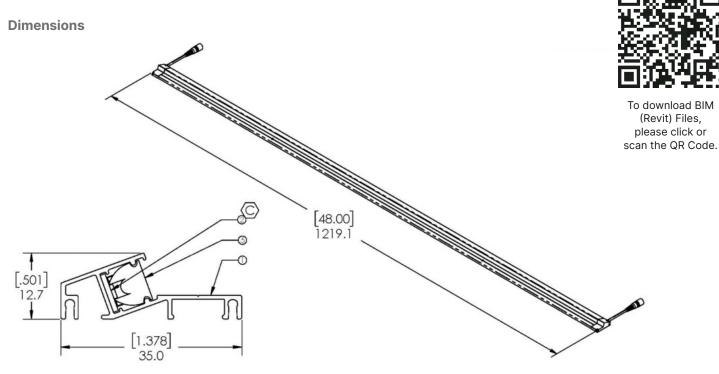
Footnotes: 1 Remote distance is dependent on driver type, up to 100' (30.5 m). 2 Creates a clean and organized power solution for multiple fixture installations.

4) REMOTE DRIVER OPTIONS & CONTROLS

REMO	REMOTE DRIVER (AC)		REMOTE DRIVER TYPE		EMERGENCY BACKUP		REMOTE DRIVER BOX ¹		CONTROL SYSTEM ³	
UNV 347	120/277V 347V	FDND FD01	Factory Non-Dimming Factory 0-10V 1% Dim	NN	Not Needed	NN	Not Needed	NN	Not Needed	
		FD10 FDDA	Factory 0-10V 10% Dim Factory DALI 0.1% Dim	EMB10W	Emergency Battery (10 W — Remote)	RLDB ²	Remote Linear Driver Box (driver included by default)	LUT COO	Lutron Cooper	
		FDDX FDTR	Factory DMX Dim Factory TRIAC Dim	X_	Specify Backup	RX2D ²	Optional Remote XBox2 Driver, Up to 2 Drivers	CAS X_	Casambi Specify Control	
		LD01 LD05	Lutron Hi-Lume 1% Dim Lutron 5-Series 5% Dim			RX3D ²	Optional Remote XBox3 Driver, Up to 3 Drivers		System	
		ED00 ED01	eldoLED 0-10V 0.1% Dim eldoLED 0-10V 1% Dim			RX5D ²	Optional Remote XBox5 Driver, Up to 5 Drivers			
		EDDA X_	eldoLED DALI 0.1% Dim Specify Driver				23., 55 13 6 5111010			

 $^{^{3}}$ The control system is not supplied by Xico but the choice of control system and driver must be compatible.

FIXTURE DESIGN



Length

Length Options 1', 2', 4', 6', 8

1', 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

Flat

End Cap Material

Machined or cast aluminum

Optic

Lens Option

Asymmetric

Lens Material

Patented SmartOptics® made from Acrylic (PMMA)

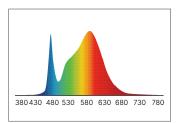
Voltage

Fixture Voltage (AC)

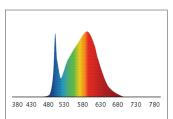
120-277 VAC and 347 VAC, 50/60 Hz

LED SELECTION GUIDE

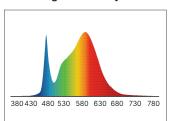
S80: Standard 80+ CRI



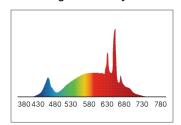
S90: Standard 90+ CRI



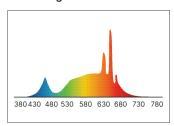
HE80: High-Efficiency 80+ CRI



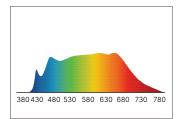
HE90: High-Efficiency 90+ CRI



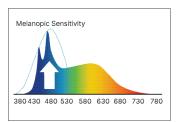
HD95: High-Definition 95+ CRI



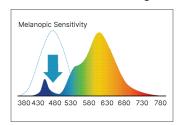
SUN: Full Spectrum "SunLike"



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

				CCTS	ELECTED			
-		I	T	0013	ELECTED	T		
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

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 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.

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







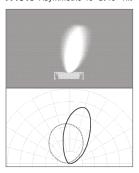
For details on our warranty and business terms, please click or scan the QR Code.

MICROWedge

	BEAM PATTERN
OPTIC	A4015
Asymmetric Lens	•

PHOTOMETRICS Static White Light

A4015: Asymmetric 40° at 15° Tilt



 Length
 48"

 LED
 HE80

 CRI/CCT
 80+/3500K

 Lumens
 3,000

 Im/ft
 750

 Watts
 10

 W/ft
 5.6

 LPW
 134

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,

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Canada CA2702600, CA2702685, CA2702690

 France
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World Intellectual Property Organization

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