# **MICRO**Wedge

Direct | Standard Lengths

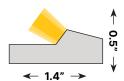
1 3



**Remote Driver** 

#### LIGHTING CONFIGURATIONS

**Direct** 





Fixture Type

#### **DESCRIPTION**

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

The MICROWedge140 is part of the innovative MICRO family of ultra-slim and compact LED linear products providing best-in-class efficiency and beam control options. The MICROWedge is designed for surface mounting and provides a specification-grade asymmetric beam with high lumen per foot, high CRI, and circadian options. MICROWedge uses engineered light engines coupled with TIR and diffusion optics with fully customizable choices for lumen output, CCT, and CRI. MICROWedge is typically used in cove, perimeter and undercabinet applications that require small form factors and precise off-axis beam distributions.

## **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, 2700K to 6500K 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

















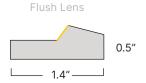


	Project Name				Fixture Type			
1) FIXTURE DESIGN	N							
PRODUCT	FIXTURE LENGTH	FINISH			END CAP STYLE			
MWE								
1.4" Low-Profile Linear LED Wedge Rail	1 - 1 ft 2 - 2 ft 3 - 3 ft 4 - 4 ft 6 - 6 ft 8 - 8 ft X Specify Ft', In" (Ask Factory)	Powder Coated PMW - Matte WI PMB - Matte Bla PMG - Matte Gra PRAL Specify  Anodized ACL - Clear Ano	ck ay RAL # odized		E1 - Flat End Cap			
2) LED LIGHT ENGI	NE							
CRI	ССТ	OPTIC (DIRECT C	NLY)		DIRECT BEAM PATTERN		DIRECT OUTPUT	
80 - Std. 80 CRI 90 - Std. 90 CRI 95 - High-Def. 95 CRI SUN - Full SunLike	27 - 2700K 30 - 3000K 35 - 3500K 40 - 4000K XD - Dim-to-Warm XT - Tunable X Specify CCT  Specify Dim-to-Warm and Tunable between 2700K-6500K.	OA - Asymmetric	c Lens		<b>DA4015</b> - Asym 4	0° at 15° Tilt	35 - 350 lm/ft 50 - 500 lm/ft 75 - 750 lm/ft 100 - 1,000 lm/ft X Specify lm/ft	
3) FIXTURE POWE	R & CONTROLS							
LINE VOLTAGE (DC)	REMOTE DRIVER (POWER)							
<b>UNV</b> - 120/277V <b>347</b> - 347V	FDND - Factory Non-Dimming FD00 - Factory 0-10V 0.1% Dim FD01 - Factory 0-10V 10% Dim FD10 - Factory 0-10V 10% Dim FDDA - Factory DALI 0.1% Dim FDDX - Factory DMX Dim FDTR - Factory TRIAC Dim FD01 - Lutron Hi-Lume 1% Dim C Specify Driver			Footnotes: <sup>1</sup> S	tandard driver box is in	cluded		
4) FIXTURE MOUN	TING & CONNECTIO	NS						
MOUNTING TYPE	POWER CORD	/ER CORD CON		INECTOR (DC)		DAISY CHAIN		
SM - Surface Mount TC1 - 9/16" Flat T-Bar Mount TC2 - 9/16" Bolt Slot T-Bar Mount TC3 - 15/16" Flat T-Bar Mount		e Power Cord	l	· Strip Wire Factory Plug	g <b>DN</b> - No Daisy <b>DY</b> - Yes Daisy			

OPTIONAL					
EMERGENCY BACKUP	WIRELESS MODULE				
EMC - Emergency Circuit EMB - Emergency Battery	WCN - Wireless Communication Node (Connected to LED Driver In-Fixture or In-Driver Box)				
(10 W — Remote)	PIR - Wireless Communication Node + PIR Sensor (Standard Lens for Low Bay < 10')				
X Specify Backup	MW - Wireless Communication Node + MW Sensor (Standard for Low Bay < 10')				
Specify requirements at time of order.	X Other - Specify Embedded Component or Specific Non-Standard Sensor Detection Range				

## **DIMENSIONS & INSTALLATION**

#### **Dimensions**



**MICRO**Wedge

#### **Standard Fixtures**



Lens Length / Fixture Length

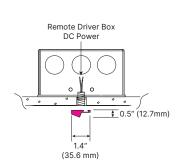
## **Mounting Type**

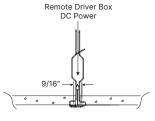
T-Bar Mount

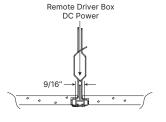
Installs into a ceiling grid system and mount on to, or replace, typical T-Bar elements.

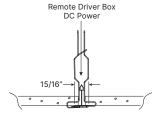
**Surface Mounts** 

Installs onto a surface via a surface mount clip.









**SM - Surface Mount** 

T1 - 9/16" Flat T-Bar Mount

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

T3 - 15/16" Flat T-Bar Mount

## **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 Optics Choices**



FL - Flush Lens

#### LPW Efficacy Conversion Chart

	CCT SELECTED									
CODE	2200K	2700K	3000K	3500K	4000K	5000K	5700K	6500K		
80	-	0.91	0.96	1.00	1.04	1.11	1.11	1.11		
90	-	0.91	0.96	1.00	1.04	1.11	1.11	1.11		
95	_	0.91	0.96	1.00	1.04	1.11	1.03	1.04		
SUN	_	0.90	0.92	1.00	1.01	1.07	1.04	1.05		

#### **LPW Performance**

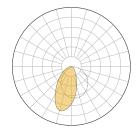
	DIRECT		
	A4015		
LM/W	134		

$$LM/W = \begin{pmatrix} & DIRECT \\ LM/FT & + & LM/FT \\ \hline & & & \\ &$$

## **DIRECT PHOTOMETRICS**

48" Length, 80+/3500K CRI/CCT, 3,000 Lumens

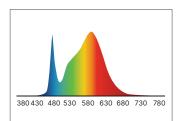
A4015: Asymmetric 40° at 15° Tilt



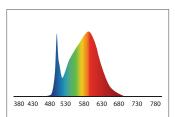
LM/FT	W/FT	LM/W
350	2.6	134.6
500	3.7	135.1
750	5.6	134
1000	7.5	133.3

## **LED OPTIONS**

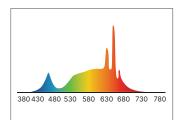
80: Standard 80+ CRI



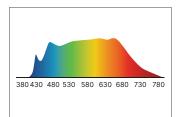
90: Standard 90+ CRI



95: High-Definition 95+CRI



SUN: Full Spectrum "SunLike"



		TYPICAL LED DATA								
CODE	DESCRIPTION	ССТ	CRI	CRI R9	TM30 Rf	TM30 Rg	cqs	M/P Ratio	LPW	
80	Standard 80 CRI	3500K	82.5	7.8	84	96.7	82.5	0.51	190	
90	Standard 90 CRI	3500K	91	54.3	89.3	98.9	89.2	0.55	175	
95	High Definition 95 CRI	3500K	97.1	95	_	_	_	0.70	163	
SUN	Full Spectrum SunLike®	3500K	95	85	_	_	_	_	130	

## **POWER & CONTROLS**

#### Voltage

#### **Fixture Voltage (AC)**

120-277 VAC 347 VAC, 50/60 Hz

#### **Power Location**

Remote

#### **LED Driver**

Factory Selected, 36-39V Constant Current

#### **Drivers**

FDND - Factory Non-Dimming
FD00 - Factory 0-10V 0.1% Dim
FD01 - Factory 0-10V 1% Dim
FD10 - Factory 0-10V 10% Dim
FDDA - Factory DALI 0.1% Dim
FDDX - Factory DMX Dim
FDTR - Factory TRIAC Dim
LD01 - Lutron Hi-Lume 1% Dim
X\_ - Specify Driver

## **Emergency Backup (Optional)**

EMC - Emergency Circuit
EMB - Emergency Battery
(10 W — Remote)
X\_ - Specify Backup

#### Power

10 W

#### **Illumination Time**

90 minutes

#### **IP Rating**

Suitable for Dry and Damp Locations, indoor use only

#### **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.

### **Compatible Control Options**







#### **TECHNICAL SPECIFICATIONS**

## Finishes & Design Options Housing Colors (Matte Finish)

White (RAL9003) Black (RAL9005) Gray (RAL7001) Custom RAL



#### **Housing Material**

6063-T5 extruded, recycled aluminum

#### **Mounting Brackes**

Sheet Metal

#### **Flat End Cap Material**

Machined or cast alumninum

#### **Lens Options and Material**

Patented SmartOptics® made from Acrylic (PMMA)

#### Standards & Certifications

#### Sustainability

Low carbon, environmentally conscious packaging and shipping methods

#### Compliance

BABAA & TAA compliant in-house manufacturing in Boston, MA with North American supply chain



#### Certifications









#### **Declare Listed and Red List Free**

Low carbon, environmentally conscious packaging and shipping methods

#### Recyclable

SmartOptics and all powder coated and anodized parts are fully recyclable at end of life

#### 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



#### **Declare Listed**

At Xico Lighting, we are committed to transparency and sustainability. That's why all our products are Declare listed, providing clear insights into their environmental footprint and safety. Look for these internationally recognized labels on Xico products, packaging, or at xicoled.com/declare.



#### **Red List Free**

Xico Lighting is dedicated to creating safe, sustainable solutions. All our products are Red List Free, meeting the highest industry standards for healthy and environmentally responsible materials as defined by the International Living Future Institute (ILFI). Learn more at xicoled.com/declare.

### **Quick Links**

5-YR Warranty



**Business Terms** 



**Patents & Trademarks** 



SmartBeam



**Revit Files** 

