

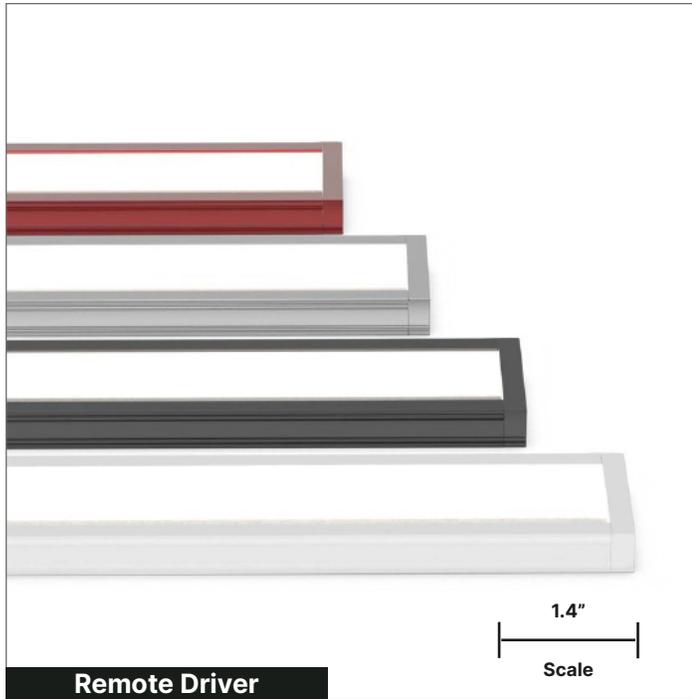
# EDGERail140

Direct | Standard Lengths



Project Name \_\_\_\_\_

Fixture Type \_\_\_\_\_



## DESCRIPTION

### 0.375" x 1.4" Low-Profile Narrow Linear LED Fixture

The EDGERail140 is the industry's best linear, high performance and slim indirect luminaire for cove, undercabinet and hidden accent lighting. EDGERail140 is based on patented single edge-lit waveguide technology and provides a choice of lambertian, symmetric and asymmetric light distributions with an overall optical efficiency of over 90%. At only 3/8" tall, the EDGERail140 is an ultra-low profile surface mount LED rail providing a range of lumen outputs up to 1000 lumens per foot, a range of color temperature, and 2.5 step macadam ellipse color quality.

## FEATURES & BENEFITS

### Low Profile (3/8") + Exceptional Performance

0.375" x 1.4" form delivering up to 1,000 lm/ft, at >150 lm/W

### 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, 2700K to 6500K 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

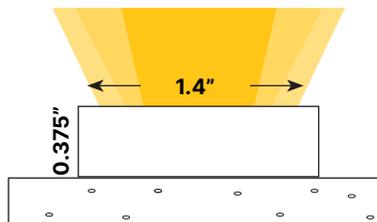
UL Listed, Dry and Damp Locations

### 5-Year Warranty

Standard 5-year warranty, 50,000 hours

## LIGHTING CONFIGURATIONS

Direct



## FIXTURE ORDERING

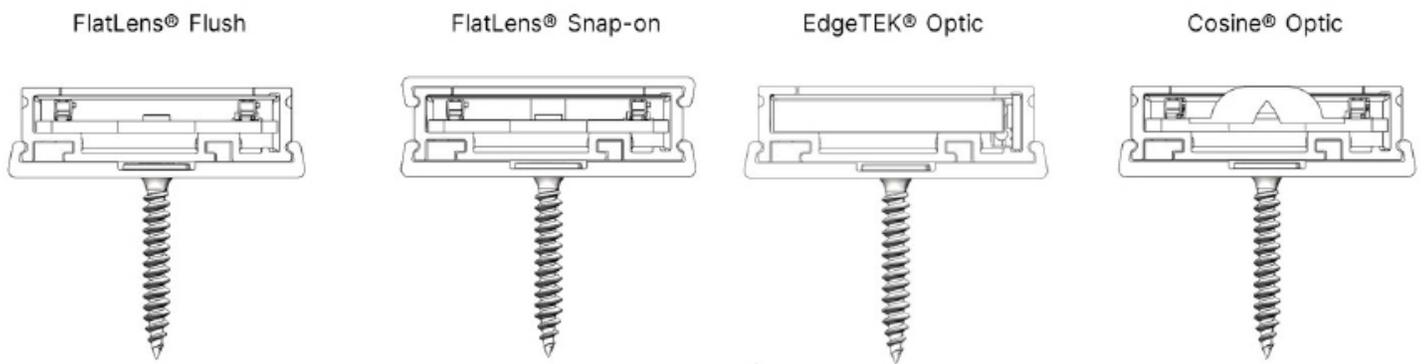
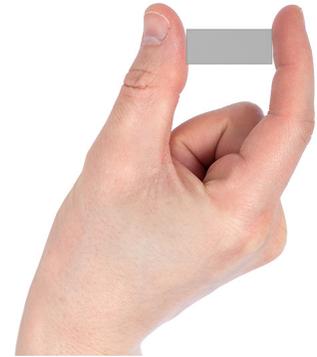
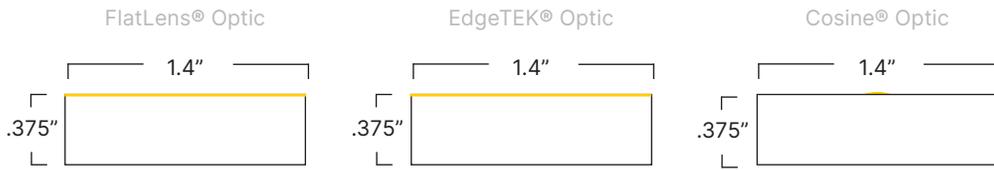
Project Name \_\_\_\_\_

Fixture Type \_\_\_\_\_

1) FIXTURE DESIGN				
PRODUCT	FIXTURE LENGTH	FINISH		
<b>ERA140</b> 1.4" Low-Profile linear LED Rail	1 - 1 ft 2 - 2 ft X_ - Specify Ft', In"	<b>Powder Coated</b> <b>PMW</b> - Matte White <b>PMB</b> - Matte Black <b>PMG</b> - Matte Gray <b>CAE</b> - Clear Anodized Effect <b>PRAL_</b> - Specify RAL #		
	Custom fixtures are available in 3" increments beyond standard lengths	<b>Anodized</b> <b>ACL</b> - Clear Anodized <b>ACU_</b> - Custom Anodized #		
2) LED LIGHT ENGINE				
CRI	CCT	OPTIC (DIRECT ONLY)	DIRECT BEAM pa	DIRECT OUTPUT
<b>80</b> - Std. 80 CRI <b>90</b> - Std. 90 CRI <b>95</b> - High-Def. 95 CRI <b>SUN</b> - Full SunLike	<b>27</b> - 2700K <b>30</b> - 3000K <b>35</b> - 3500K <b>40</b> - 4000K X_ - Specify CCT  Specify Dim-to-Warm and Tunable between 2700K-6500K	<b>FL</b> - FlatLens® Optic  <b>ET</b> - EdgeTEK® Optic  <b>CO</b> - Cosine® Optic	<b>DLAM</b> - Lambertian (Diffuse)  <b>DLAM</b> - Lambertian (Diffuse) <b>DA6040</b> - Asym 60° at 40° Tilt <b>DA4070</b> - Asym 40° at 70° Tilt  <b>DA6040</b> - Asym 60° at 40° Tilt <b>DA4560</b> - Asym 45° at 60° Tilt	<b>35</b> - 350 lm/ft <b>50</b> - 500 lm/ft <b>75</b> - 750 lm/ft <b>100</b> - 1,000 lm/ft X_ - Specify lm/ft
3) POWER & CONTROLS		4) CONNECTIONS		
LINE VOLTAGE (DC)	REMOTE DRIVER (POWER) <sup>2</sup>	CORD	DAISY CHAIN	POWER INPUT CORD
<b>UNV</b> - 120/277V <b>347</b> - 347V	<b>FDND</b> - Factory Non-Dimming <b>FD00</b> - Factory 0-10V 0.1% Dim <b>FD01</b> - Factory 0-10V 1% Dim <b>FD10</b> - Factory 0-10V 10% Dim <b>FDDA</b> - Factory DALI 0.1% Dim <b>FDDX</b> - Factory DMX Dim <b>FDTR</b> - Factory TRIAC Dim <b>LD01</b> - Lutron Hi-Lume 1% Dim X_ - Specify Driver	<b>SW</b> - Strip Wire <b>FP</b> - Factory Plug	<b>DN</b> - No: Daisy Chain <b>DY</b> - Yes: Daisy Chain  Select DY if you are joining multiple fixtures together in a row	<b>EC6W</b> - 6" White Extension Cable <b>EC12W</b> - 12" White Extension Cable <b>EC24W</b> - 24" White Extension Cable <b>EC48W</b> - 48" White Extension Cable
5) MOUNTING				
MOUNTING TYPE				
<b>NMH</b> - No Mounting Hardware <b>SMR</b> - Surface Mount Rail <b>SMC</b> - Surface Mount Clip <b>SMM</b> - Surface Mount Magnet				
OPTIONAL				
EMERGENCY BACKUP		WIRELESS MODULE		
<b>EMC</b> - Emergency Circuit <b>EMB</b> - Emergency Battery (10 W — Remote) X_ - Specify Backup  Specify requirements at time of order.		<b>WCN</b> - Wireless Communication Node (Connected to LED Driver In-Fixture or In-Driver Box) <b>PIR</b> - Wireless Communication Node + PIR Sensor (Standard Lens for Low Bay < 10') <b>MW</b> - Wireless Communication Node + MW Sensor (Standard for Low Bay < 10') X_ - Other - Specify Embedded Component or Specific Non-Standard Sensor Detection Range		

Footnotes: <sup>1</sup> Contact factory about custom beam options. <sup>2</sup> Standard driver box is included.





## Standard Lengths

1ft	11.05" / 11.4"
2ft	23.05" / 23.4"
4ft	47.05" / 47.4"
6ft	71.05" / 71.4"
8ft	95.05" / 95.4"

Lens Length / Fixture Length



## 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

DIRECT OPTICS	BEAM PATTERN			
	DLAM	DA6040	DA4070	DA4560
FlatLens®	■			
EdgeTEK® Optic	■	■	■	
Cosine® Optic		■		■

### LPW Efficacy Conversion Chart

CODE	CCT SELECTED							
	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			
	DLAM	DA6040	DA4070	DA4560
LM/W	150	150	150	150

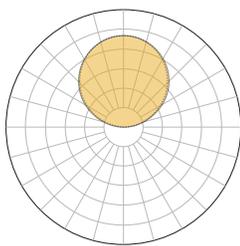
$$LM/W = \frac{\left( \begin{matrix} \text{DIRECT LM/FT} & + & \text{INDIRECT LM/FT} \end{matrix} \right)}{\left( \begin{matrix} \text{DIRECT W/FT} & + & \text{INDIRECT W/FT} \end{matrix} \right)}$$

## PHOTOMETRICS

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

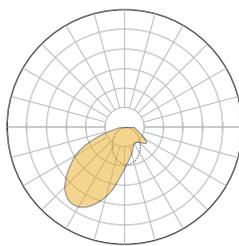
Static White Light

DLAM: Lambertian



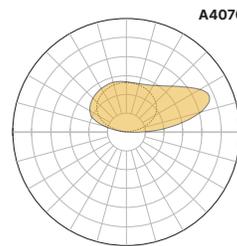
LM/FT	W/FT	LM/W
350	2.4	145.8
500	3.4	150
750	5.1	147.1
1000	6.8	147.1

DA6040: Asymmetric 60° at 40° Tilt



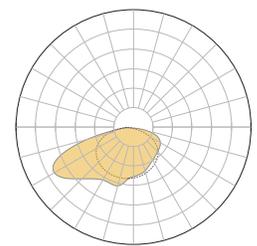
LM/FT	W/FT	LM/W
350	2.4	145.8
500	3.4	150
750	5.1	147.1
1000	6.8	147.1

DA4070: Asymmetric 40° at 70° Tilt



LM/FT	W/FT	LM/W
350	2.4	145.8
500	3.4	150
750	5.1	147.1
1000	6.8	147.1

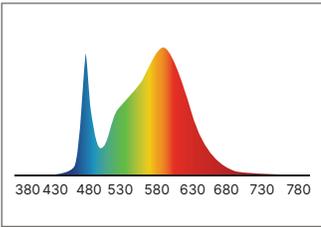
DA4560: Asymmetric 45° at 60° Tilt



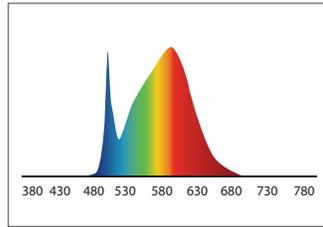
LM/FT	W/FT	LM/W
350	2.4	145.8
500	3.4	150
750	5.1	147.1
1000	6.8	147.1

## LED OPTIONS

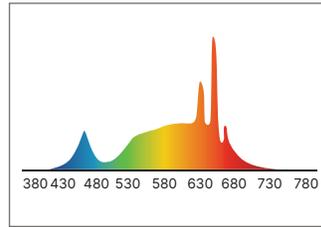
**80: Standard 80+ CRI**



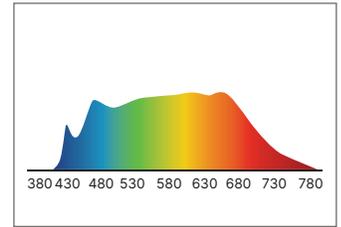
**90: Standard 90+ CRI**



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



**SUN: Full Spectrum "SunLike"**



CODE	DESCRIPTION	TYPICAL LED DATA							
		CCT	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 your 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 Brackets

Sheet Metal

Flat End Cap Material

Machined or cast aluminum

Lens Options and Material

FlatLens®, EdgeTEK®, and Cosine® optics options with 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.



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](http://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](http://xicoled.com/declare).

Quick Links

5-YR Warranty



Business Terms



Patents & Trademarks



SmartBeam



Revit Files

