EDGERail140

Direct | Standard Lengths

XICO®

Project Name

Fixture Type

1.4"

Scale

Remote Driver
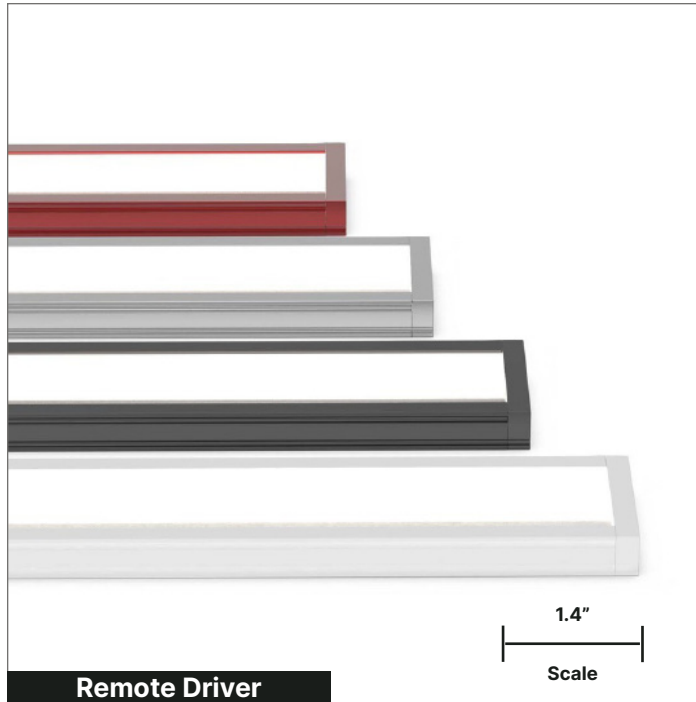
LIGHTING CONFIGURATIONS

Direct

1.4"
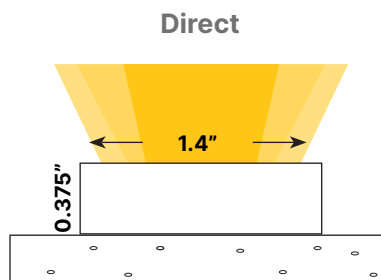
0.375"

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

Declare

Red List Free

mindful MATERIALS

BABA Act
Build America Buy America Act

UL LISTED

bios

ROHS compliant

Designed & Built in **BOSTON**

Project Name _____   Fixture Type _____

1) FIXTURE DESIGN

PRODUCT	FIXTURE LENGTH	FINISH	DAISY CHAIN
ERA140 1.4" Low-Profile linear LED Rail	**1** - 1 ft **2** - 2 ft **4** - 4 ft **6** - 6 ft **8** - 8 ft **X_ -** Specify Ft', In" (Ask Factory)	**Powder Coated** **PMW** - Matte White **PMB** - Matte Black **PMG** - Matte Gray **PRAL_** - Specify RAL # **Anodized** **ACL** - Clear Anodized **ACU_** - Custom Anodized #	**NDC** - No: Daisy Chain **YDC** - Yes: Daisy Chain

2) LED LIGHT ENGINE

CRI	CCT	OPTIC (DIRECT ONLY)	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.	**FL** - FlatLens® Optic **ET** - EdgeTEK® Optic **CO** - Cosine® Optic	**DLAM** - Lambertian (Diffuse) **DLAM** - Lambertian (Diffuse) **DA6040** - Asym 60° at 40° Tilt **DA4070** - Asym 40° at 70° Tilt **DA6040** - Asym 60° at 40° Tilt **DA4560** - Asym 45° at 60° Tilt	**35** - 350 lm/ft **50** - 500 lm/ft **75** - 750 lm/ft **100** - 1,000 lm/ft **X_** - Specify lm/ft

3) FIXTURE POWER & CONTROLS

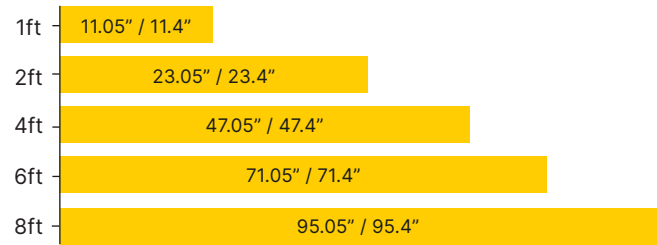| LINE VOLTAGE (DC)	REMOTE DRIVER (POWER)[1]	
UNV - 120/277V **347** - 347V	**FDND** - Factory Non-Dimming **FD00** - Factory 0-10V 0.1% Dim **FD01** - Factory 0-10V 1% Dim **FD10** - Factory 0-10V 10% Dim **FDDA** - Factory DALI 0.1% Dim **FDDX** - Factory DMX Dim **FDTR** - Factory TRIAC Dim **LD01** - Lutron Hi-Lume 1% Dim **X_** - Specify Driver	Footnotes: [1] Standard driver box is included

4) FIXTURE MOUNTING

MOUNTING TYPE
NMH - No Mounting Hardware **SMR** - Surface Mount Rail **SMC** - Surface Mount Clip **SMM** - Surface Mount Magnet

OPTIONAL

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

FlatLens® Optic

EdgeTEK® Optic

Cosine® Optic

1.4"

.375"

1.4"

.375"

1.4"

.375"

FlatLens® Flush

FlatLens® Snap-on

EdgeTEK® Optic

Cosine® Optic
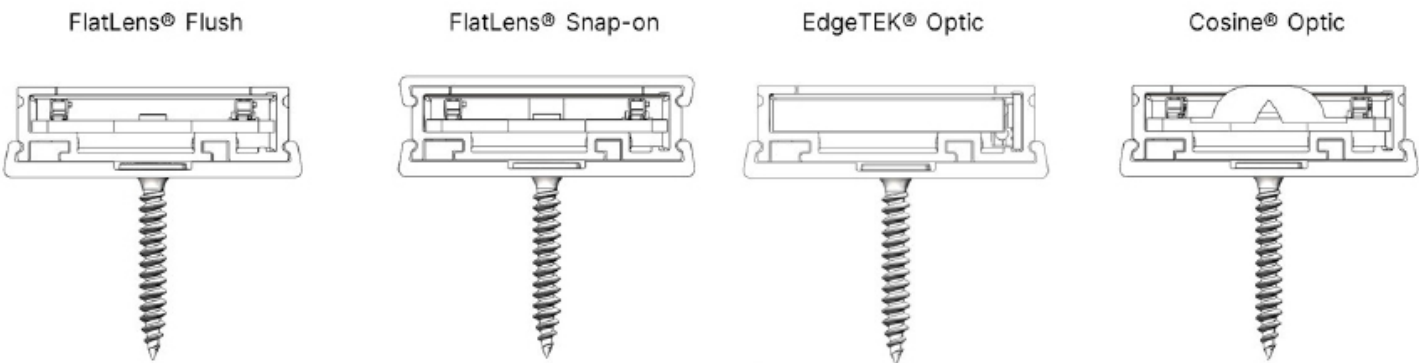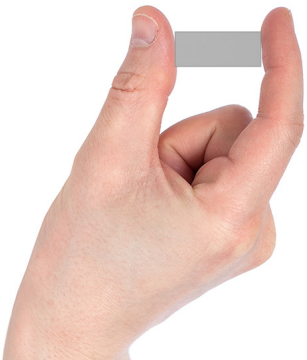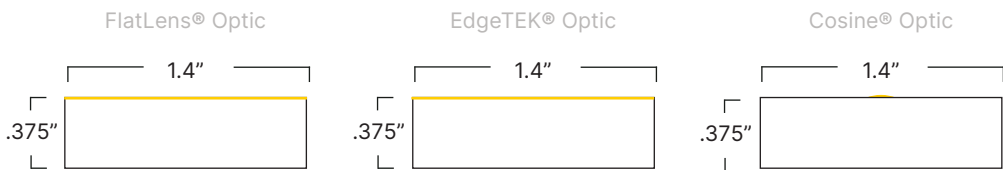
Standard Lengths

|	Lens Length / Fixture Length
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"

Mounting Rail

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.
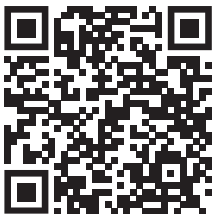
Direct Optics Choices

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

$$LM/W = \frac{\left(DIRECT\ LM/FT + INDIRECT\ LM/FT \right)}{\left(DIRECT\ W/FT + INDIRECT\ W/FT \right)}$$

PHOTOMETRICS

Static White Light

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

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
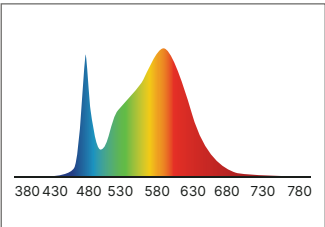
90: Standard 90+ CRI
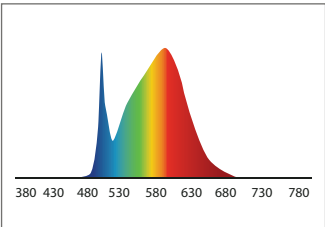
95: High-Definition 95+CRI
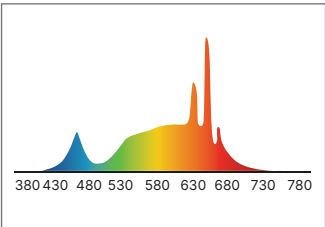
SUN: Full Spectrum "SunLike"
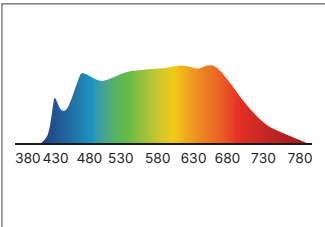
		TYPICAL LED DATA							
CODE	**DESCRIPTION**	**CCT**	**CRI**	**CRI R9**	**TM30 Rf**	**TM30 Rg**	**CQS**	**M/P Ratio**	**LPW**
80	Standard 80 CRI	3500K	82.5	7.8	84	96.7	82.5	0.51	190
90	Standard 90 CRI	3500K	91	54.3	89.3	98.9	89.2	0.55	175
95	High Definition 95 CRI	3500K	97.1	95	–	–	–	0.70	163
SUN	Full 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 you projects needs.

Compatible Control Options

※LUTRON.   CASAMBI   COOPER

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
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 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.
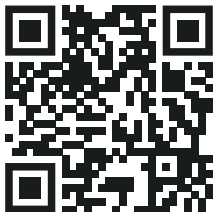
Red List Free

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** |