MICROCOVE AC Indirect

Indirect │ Standard Lengths

XICO®

Project Name

Fixture Type

1.4"

Scale

Integral Driver

LIGHTING CONFIGURATIONS

Indirect

1.4"

1.4"

DESCRIPTION

1.4" Low-Profile Linear LED Cove Mount

The MICROCove AC Indirect (ACI) is part of the innovative family of ultra-slim and compact LED linear products providing best-in-class efficiency and beam control options. The MICROCove ACI is designed to fit into the smallest of cove spaces and is specification-grade with high lumen per foot, high CRI, and circadian options. MICROCove ACI uses engineered light engines with fully customizable choices for lumen output, CCT, and CRI. Designed to be surface mounted. MICROCove ACI can also be daisy-chained with individual fixtures placed end-on-end in a tight packed formation to create long continuous runs of light.

Features & Benefits

Small Form Factor with Exceptional Performance
1.4" x 1.4" delivering up to 1,250 lm/ft, 150 lm/W efficacy

Wide Range of LED Selections
Static, Tunable White, and Dim-to-Warm. 90/95+ CRI, 2700K to 6500K CCT.

AC Power Input with Dimming & Control Options
Direct AC input (110V-277V) wide range of control options including 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 Made-in-USA & Sustainability
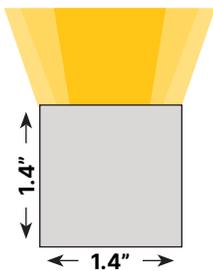Designed & built in Boston MA, Declare Listed and Red Free List materials

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

FIXTURE ORDERING

Project Name _____   Fixture Type _____

1) FIXTURE DESIGN

PRODUCT	FIXTURE LENGTH	MOUNTING TYPE	FINISH	POWER EXTENSION CORD	DAISY CHAIN
MCV-ACI 1.4" Low-Profile Linear LED Cove Mount with AC Power for Indirect Lighting	**1** - 1 ft **2** - 2 ft **3** - 3 ft **4** - 4 ft **6** - 6 ft **8** - 8 ft **X_** - Specify Ft', In" 1 ft / 12.2" available only in static white	**SFM -** Surface Fixed Mount	**Powder Coated** **PMW** - Matte White	**EC6W** - 6" White Extension Cable **EC12W** - 12" White Extension Cable **EC24W** - 24" White Extension Cable **EC48W** - 48" White Extension Cable	**DN** - No: Daisy Chaing **DY** - Yes: Daisy Chain

2) LED LIGHT ENGINE

CRI	CCT	INDIRECT BEAM PATTERN	INDIRECT OUTPUT
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.	**ILAM** - Lambertian **IBW120** - Batwing120° **IFT150** - FlatTop 150° **IA6040** - Asym 60° at 40° Tilt **X_** - Specify Beam[1]	**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)	INTEGRAL DRIVER (POWER)
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

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

DIMENSIONS & INSTALLATION

Dimensions

1.4"

1.4"
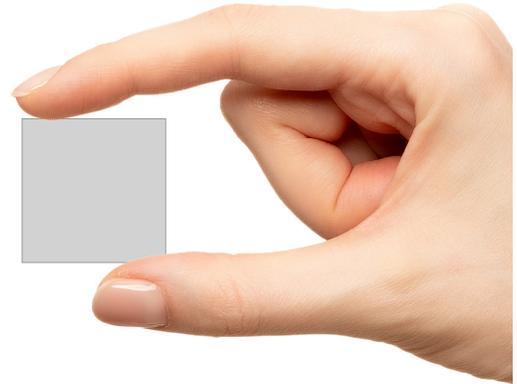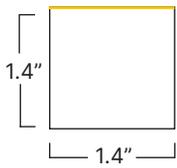
Standard Fixtures

1ft	11.05" / 11.4"
2ft	23.05" / 23.4"
3ft	35.05" / 35.4"
4ft	47.05" / 47.4"
6ft	71.05" / 71.4"
8ft	95.05" / 95.4"

Mounting Type

Cove Mount   Installs into a cove. Available with a range of accessories, mounts and inserts that provide easy customization of visual appearance and performance enhancements
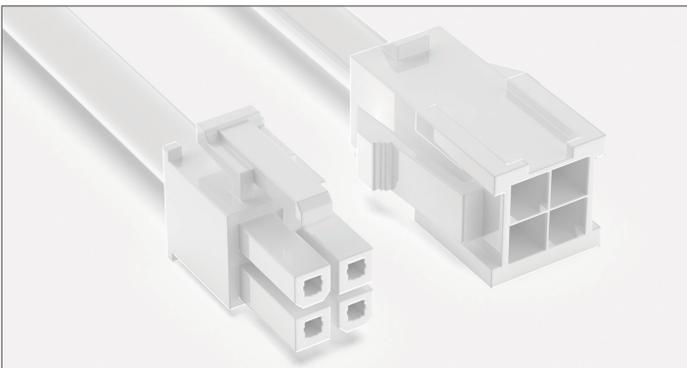
Power Extension Cord

Sizes and Color   6", 12", 24", and 48", White Extension Cords

Connector (AC)

Connector Options   Easy Plug-and-Play Factory Installed Connectors

Factory Connectors

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.

LPW Efficacy Conversion Chart

CODE	CCT SELECTED							
	2200K	2700K	3000K	3500K	4000K	5000K	5700K	6500K
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

	INDIRECT			
	ILAM	IBW120	IFT150	IA6040
LM/W	150	156	143	143

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

INDIRECT PHOTOMETRICS

Static White Light

48" Length, 80+/3500K CRI/CCT, 4,000 Lumens

ILAM: Lambertian
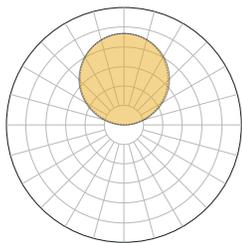
LM/FT	W/FT	LM/W
350	2.3	152.2
500	3.4	147.1
750	5.0	150
1,000	6.7	150

IBW120: Batwing 120°
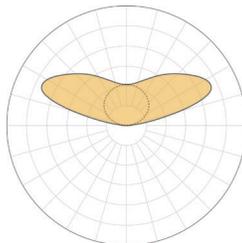
LM/FT	W/FT	LM/W
350	2.2	
500	3.2	
750	4.8	
1,000	6.4	156

IFT150: FlatTop 150°
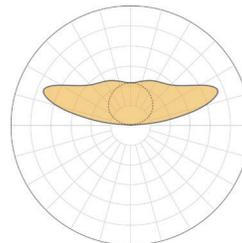
LM/FT	W/FT	LM/W
350	2.5	143
500	3.5	142.9
750	5.3	141.5
1,000	7	143

IA6040: Asymmetric 60° at 40° Tilt
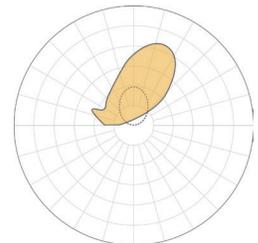
LM/FT	W/FT	LM/W
350	2.5	143
500	3.5	142.9
750	5.3	141.5
1,000	7	143

LED OPTIONS

90: Standard 90+ CRI
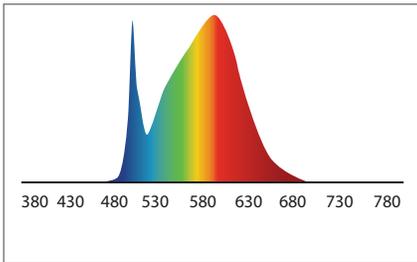
95: High-Definition 95+ CRI
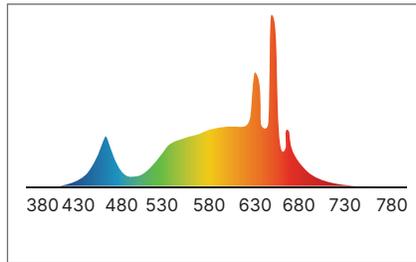
SUN: Full Spectrum "SunLike"
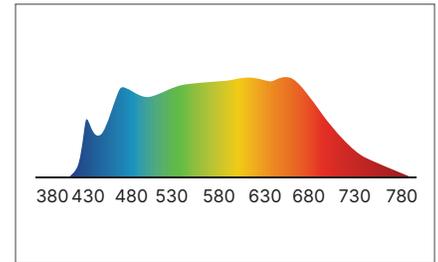
CODE	DESCRIPTION	TYPICAL LED DATA							
		CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	M/P Ratio	LPW
90	Standard 90 CRI	3500K	91	54.3	89.3	98.9	89.2	0.55	175
95	High Definition 95 CRI	3500K	97.1	95	–	–	–	0.70	163
SUN	Full Spectrum SunLike®	3500K	95	85	–	–	–	–	130

POWER & CONTROLS

Voltage

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

Power Location
Integral

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