

# MICROCOVE AC Indirect

Indirect | Standard Lengths



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

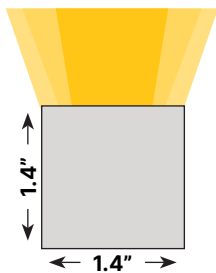
Fixture Type \_\_\_\_\_



Integral Driver

## LIGHTING CONFIGURATIONS

Indirect



## 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




Designed & Built in  
**BOSTON**

## FIXTURE ORDERING

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

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

## 1) FIXTURE DESIGN

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

## 2) LED LIGHT ENGINE

CRI	CCT	INDIRECT BEAM PATTERN	INDIRECT OUTPUT
<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 <b>XD</b> - Dim-to-Warm <b>XT</b> - Tunable <b>X_</b> - Specify CCT  Specify Dim-to-Warm and Tunable between 2700K-6500K.	<b>ILAM</b> - Lambertian <b>IBW120</b> - Batwing120° <b>IFT150</b> - FlatTop 150° <b>IA6040</b> - Asym 60° at 40° Tilt <b>X_</b> - Specify Beam¹	<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 <b>X_</b> - Specify lm/ft

## 3) FIXTURE POWER &amp; CONTROLS

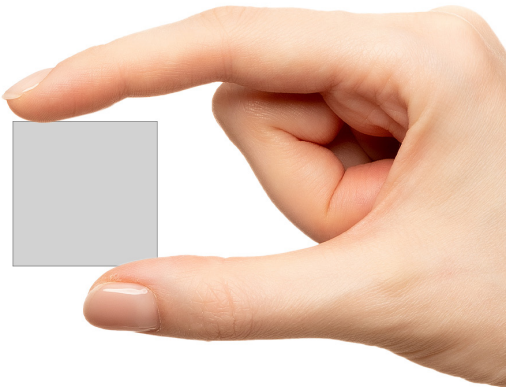
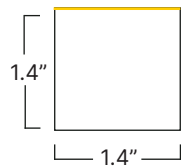
LINE VOLTAGE (DC)	INTEGRAL DRIVER (POWER)
<b>UNV</b> - 120/277V <b>347</b> - 347V	<b>FDND</b> - Factory Non-Dimming <b>FD00</b> - Factory 0-10V 0.1% Dim <b>FD01</b> - Factory 0-10V 1% Dim <b>FD10</b> - Factory 0-10V 10% Dim <b>FDDA</b> - Factory DALI 0.1% Dim <b>FDDX</b> - Factory DMX Dim <b>FDTR</b> - Factory TRIAC Dim <b>LD01</b> - Lutron Hi-Lume 1% Dim <b>X_</b> - Specify Driver

## OPTIONAL

EMERGENCY BACKUP	WIRELESS MODULE
<b>EMC</b> - Emergency Circuit <b>EMB</b> - Emergency Battery (10 W — Remote) <b>X_</b> - 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')  <b>X_</b> - Other - Specify Embedded Component or Specific Non-Standard Sensor Detection Range

DIMENSIONS & INSTALLATION

Dimensions



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

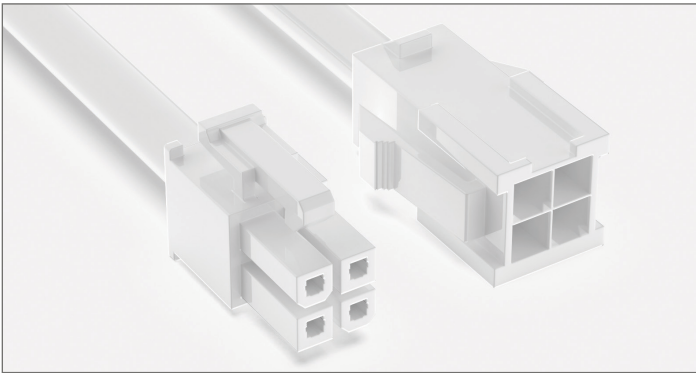
Sizes and Color

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

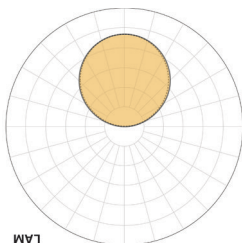
$$LM/W = \frac{\left( \begin{array}{c} \text{DIRECT} \\ \text{LM/FT} \end{array} + \begin{array}{c} \text{INDIRECT} \\ \text{LM/FT} \end{array} \right)}{\left( \begin{array}{c} \text{DIRECT} \\ \text{W/FT} \end{array} + \begin{array}{c} \text{INDIRECT} \\ \text{W/FT} \end{array} \right)}$$

## INDIRECT PHOTOMETRICS

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

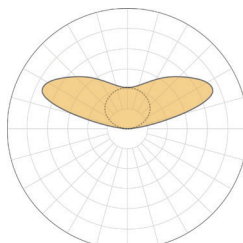
Static White Light

ILAM: Lambertian



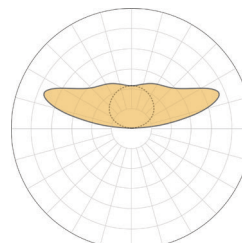
LM/FT	W/FT	LM/W
350	2.3	152.2
500	3.4	147.1
750	5.0	150
1,000	6.7	150

IBW120: Batwing 120°



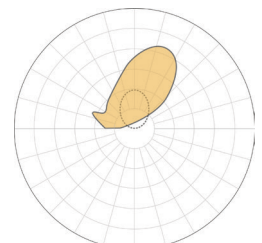
LM/FT	W/FT	LM/W
350	2.2	
500	3.2	
750	4.8	
1,000	6.4	156

IFT150: FlatTop 150°



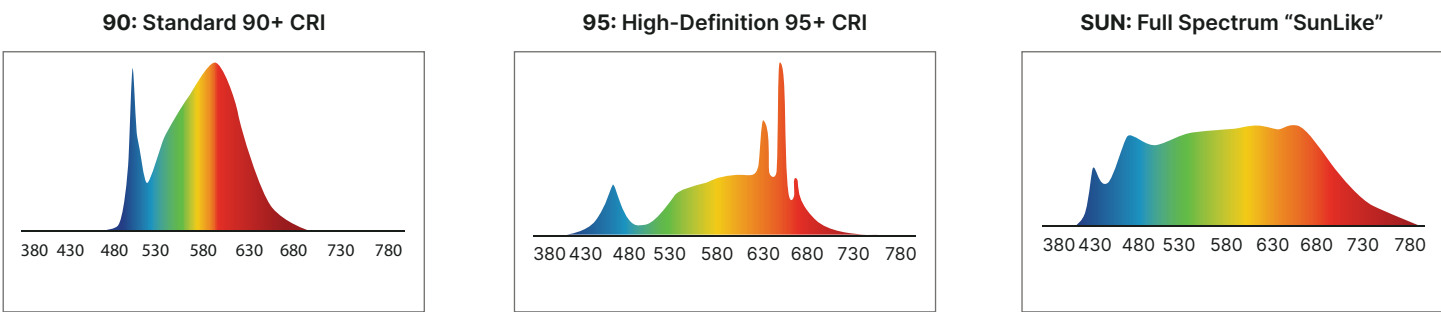
LM/FT	W/FT	LM/W
350	2.5	143
500	3.5	142.9
750	5.3	141.5
1,000	7	143

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



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 your project's needs.

### Compatible Control Options



## TECHNICAL SPECIFICATIONS

## Finishes &amp; 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

Patented SmartOptics® made from Acrylic (PMMA)

## Standards &amp; Certifications

## Sustainability

Low carbon, environmentally conscious packaging and shipping methods

## Compliance

BABAA &amp; 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.

Nano Series  
XICO LightingFinal Assembly: Woburn, MA, USA  
Life Expectancy: 10+ Years  
End of Life Options: Recyclable (99%)

## Ingredients:

Aluminum, Glass, oxide, chemicals, Polymethyl methacrylate, Phenol, 4,4'-O-methylhydroquinone, polymer with 2,2'-(3,3'-methylthiobis(4-methyl-5-phenyleneoxy)ethane)bis(phenol), 1,3-benzenedicarboxylic acid, 1,3-dimethyl imide, polymer with 1,4-dimethyl (4-benzenedicarboxylic acid) and 1,2-ethanediol, Polyethylene Glycol, Polyethylene Terephthalate, Barium sulfate, Hexamethylenediamine, Silicon, Phosphoric acid, phosphoric acid, diphenyl ether, iron, titanium and silicones, di-phenyl, metallic, gold, tungsten, titanium, zinc, nickel, plastic.

## 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).

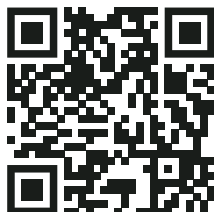


## Red List Free

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 &amp; Trademarks



## SmartBeam



## Revit Files

