

MICROCove AC Indirect 1.4" Low-Profile Linear LED Cove Mount



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. 80/90/95+ CRI, 2200K to 5000K 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

1) FIXTURE DESIGN

Fixture Type

PRODUCT	MOUNTING TYPE	FIXTURE LENGTH	COLOR & FINISH	DAISY CHAIN
MCV-ACI				
1.4" Low-Profile Linear LED Cove Mount with AC Power for Indirect Lighting	SFM Surface Fixed Mount SAM Surface Adjustable Angle Mount	Standard Lengths S1F* Std. 1 feet / 12.2" S1F6 Std. 1.5 feet / 18.2" S2F Std. 2 feet / 24.2" S3F Std. 3 feet / 36.2" S4F Std. 4 feet / 48.2" S6F Std. 6 feet / 72.2" S8F Std. 8 feet / 96.2" Custom Runs & Length X_ Specify X, Y" *1 feet / 12/2" available only in static white	PMW Powder Coated Matte White (RAL9003)	DN No: Daisy Chain (Single Input) DY Yes: Daisy Chain

2) LED LIGHT ENGINE

CRI	CCT	BEAM PATTERN	INDIRECT OUTPUT
S80 Std. 80 CRI	22 2200K	LAM Lambertian	25 250 lm/ft
S90 Std. 90 CRI	27 2700K	BW120 Batwing 120°	35 350 lm/ft
HE80 High-Eff. 80 CRI	30 3000K	FT150 FlatTop 150°	50 500 lm/ft
HE90 High-Eff. 90 CRI	35 3500K	A6040 Asymmetric 60° at 40° Tilt	75 750 lm/ft
HD95 High-Def. 95 CRI	40 4000K	A4560 Asymmetric 45° at 60° Tilt	100 1,000 lm/ft
SUN Full SunLike	50 5000K		125 1,250 LM/FT
SBIOS Static BIOS	2740TW 2700K to 4000K Tunable White	X_ Specify Beam	
DBIOS Dynamic BIOS	2250TW 2400K to 5000K Tunable White		X_ Specify lm/ft
TBIOS Tunable White BIOS	3022DW 3000K to 2200K Dim-to-Warm 3527DW 3500K to 2700K Dim-to-Warm		
	X_ Specify CCT		

3) FIXTURE POWER & CONTROLS

LINE VOLTAGE (DC)	INTEGRAL DRIVER (POWER)	EMERGENCY BACKUP	CONTROL SYSTEM ¹
120V 120V	FDND Factory Non-Dimming	NN Not Needed	NN Not Needed
277V 277V	FD01 Factory 0-10V 1% Dim	EMC Emergency Circuit	LUT Lutron
347V 347V	FD10 Factory 0-10V 10% Dim	EMB10 Emergency Battery (10 W — Onboard)	COO Cooper
UNV UNV	FDDA Factory DALI 0.1% Dim FDDX Factory DMX Dim FDTR Factory TRIAC Dim LD01 Lutron Hi-Lume 1% Dim LD05 Lutron 5-Series 5% Dim ED00 eldoLED 0-10V 0.1% Dim ED01 eldoLED 0-10V 1% Dim EDDA eldoLED DALI 0.1% Dim	X_ Specify Backup	CAS Casambi
	X_ Specify Driver		X_ Specify Control System

4) FIXTURE MOUNTING & ACCESSORIES

POWER EXTENSION CORD

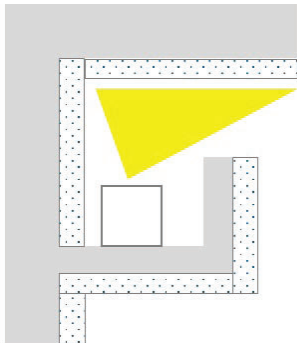
EC6WH	6" White Extension Cable
EC12WH	12" White Extension Cable
EC24WH	24" White Extension Cable
EC48WH	48" White Extension Cable

FIXTURE DESIGN

Dimensions

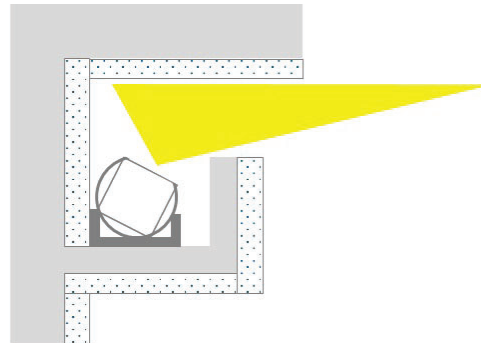


To download BIM (Revit) Files, please click or scan the QR Code.



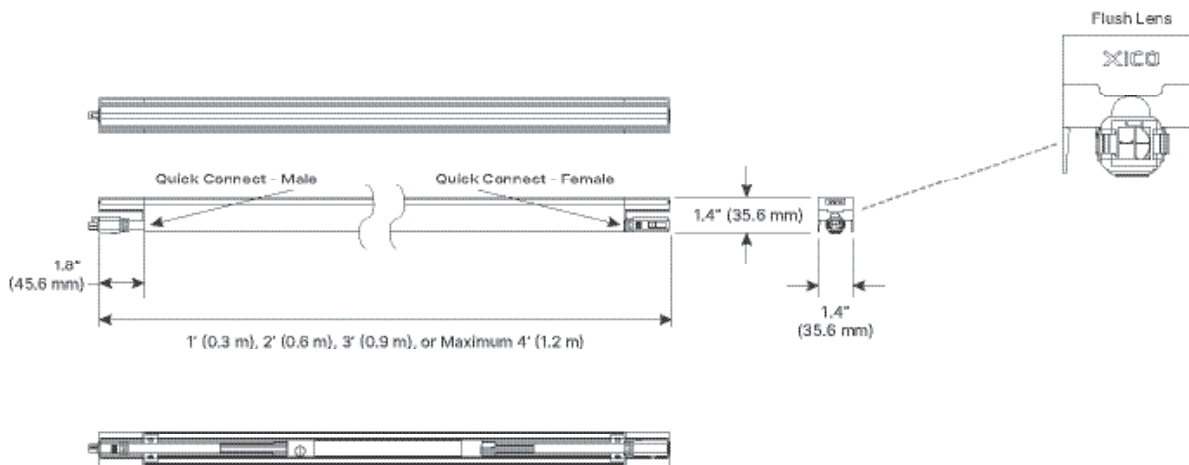
Fixed Mount

optics decide beam distribution



Adjustable Angle Mount

beam distribution by additional tilting of fixture



Length

Length Options

1', 1.5', 2', 3', 4', 6' and 8' nominal lengths, or custom within 6"

Finish

Housing Color (Matte Finish)



White (RAL9003)

Housing Material

6063-T5 extruded, recycled aluminum

Mounting Brackets

Sheet metal

Voltage

Fixture Voltage (AC)

120–277 VAC and 347 VAC, 50/60 Hz

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.

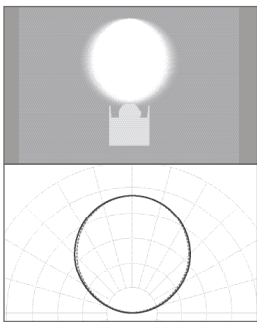
To learn more about our SmartBeam Technology, please click or scan the QR Code.



INDIRECT PHOTOMETRICS

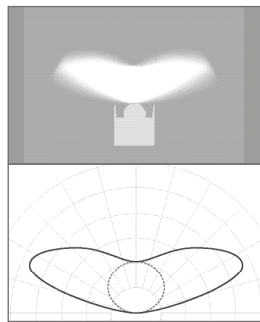
Static White Light

ILAM: Lambertian



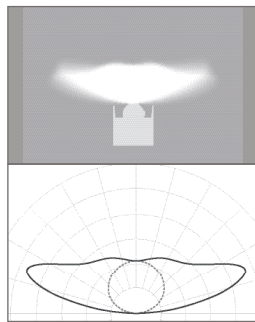
Length	48"
LED	HE80
CRI/CCT	80+/3500K
Lumens	4,000
lm/ft	1,000
Watts	26.7
W/ft	6.7
LPW	150

IBW120: Batwing 120°



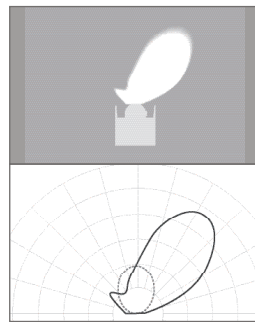
Length	48"
LED	HE80
CRI/CCT	80+/3500K
Lumens	4,000
lm/ft	1,000
Watts	26
W/ft	6.4
LPW	156

IFT150: FlatTop 150°



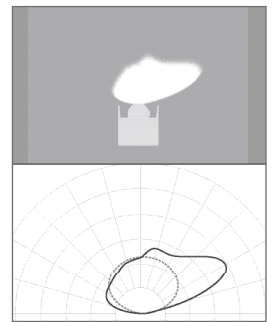
Length	48"
LED	HE80
CRI/CCT	80+/3500K
Lumens	4,000
lm/ft	1,000
Watts	28
W/ft	7.0
LPW	143

IA6040: Asymmetric 60° at 40° Tilt



Length	48"
LED	HE80
CRI/CCT	80+/3500K
Lumens	4,000
lm/ft	1,000
Watts	28
W/ft	7.0
LPW	143

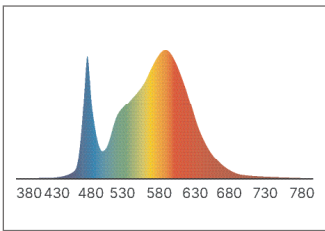
IA4560: Asymmetric 45° at 60° Tilt



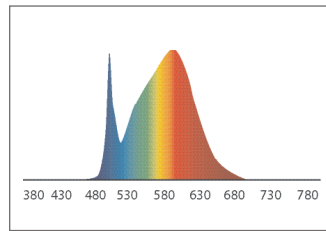
Length	48"
LED	HE80
CRI/CCT	80+/3500K
Lumens	4,000
lm/ft	1,000
Watts	28
W/ft	7.0
LPW	143

LED SELECTION GUIDE

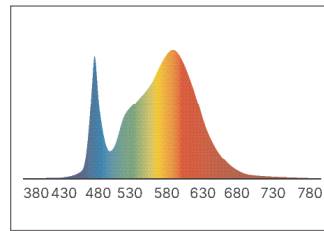
S80: Standard 80+ CRI



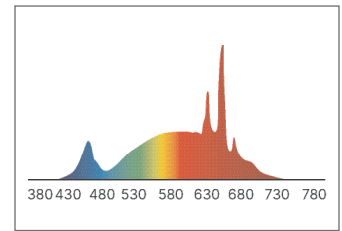
S90: Standard 90+ CRI



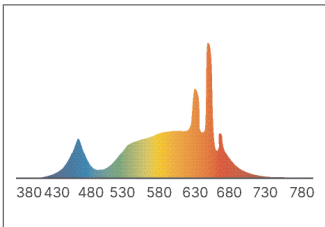
HE80: High-Efficiency 80+ CRI



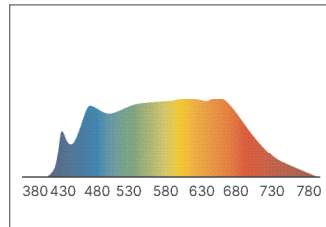
HE90: High-Efficiency 90+ CRI



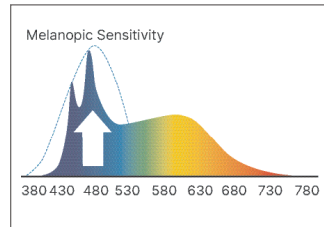
HD95: High-Definition 95+ CRI



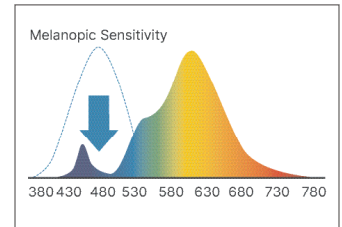
SUN: Full Spectrum "SunLike"



HCD: Human Centric Day



HCN: Human Centric Night



Static White Light (LED Light Engine Only)

CODE	DESCRIPTION	TYPICAL LED DATA							
		CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	M/P Ratio	LPW
S80	Standard 80 CRI	3500K	82.5	7.8	84	96.7	82.5	0.51	190
S90	Standard 90 CRI	3500K	91	54.3	89.3	98.9	89.2	0.55	175
HE80	High Efficiency 80 CRI	3500K	82.1	5.9	83	94.2	81.2	0.52	210
HE90	High Efficiency 90 CRI	3500K	92.2	90	90.7	103.8	92.1	0.56	190
HD95	High Definition 95 CRI	3500K	97.1	95	-	-	-	0.70	163
SUN	Full Spectrum SunLike®	3500K	95	85	-	-	-	-	130
HCD	Human Centric Day	4000K	83	95	-	-	-	0.92	155
HCN	Human Centric Night	2700K	80	-	-	-	-	0.44	134

LPW Efficacy Conversion Chart

CODE	CCT SELECTED							
	2200K	2700K	3000K	3500K	4000K	5000K	5700K	6500K
S80	-	0.91	0.96	1.00	1.04	1.11	1.11	1.11
S90	-	0.91	0.96	1.00	1.04	1.11	1.11	1.11
HE80	-	0.96	0.99	1.00	1.03	1.04	1.03	1.03
HE90	-	0.91	0.96	1.00	1.04	1.11	N/A	N/A
HD95	-	0.91	0.96	1.00	1.04	1.11	1.03	1.04
SUN95	-	0.90	0.92	1.00	1.01	1.07	1.04	1.05
HCD	-	N/A	0.96	1.00	1.04	1.04	1.04	1.04
HCN	-	0.87	0.96	1.00	1.04	N/A	N/A	N/A

BIOS TECHNOLOGY

Choosing Your BIOS Solution

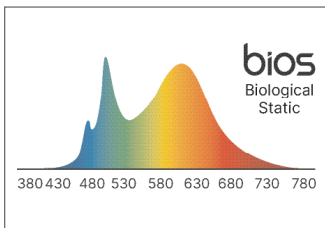
BIOS is offered in four Circadian LED Solutions with BIOS SkyBlue Technology — Biological Static, Biological Dynamic, Biological Tunable, and Biological Dim-to-Warm. BIOS SkyBlue™ Technology includes a blue peak at 490nm that provides an effective daytime circadian signal using standard architectural color temperatures.



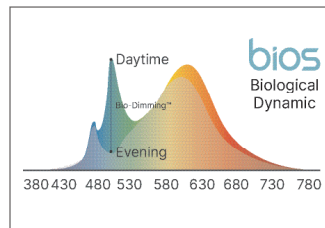
To learn more about BIOS Technology, please click or scan the QR Code.



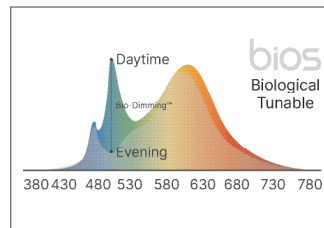
BIOS Static



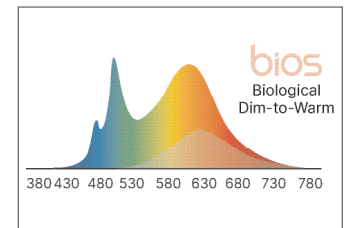
BIOS Dynamic



BIOS Tunable



BIOS Dim-to-Warm



Daytime

No color change when dimmed

Spaces that operate during daytime hours — 7am and 7pm

Daytime & Evening

500K shift when dimmed

Spaces that operate overnight — after 7pm and before 7am

Daytime & Evening

Dims to 2700K

Spaces that operate with overnight shifts — after 7pm and before 7am

Daytime & Evening

Dims from cool to warm

Spaces where people sleep — after 7pm and before 7am

Circadian and Human Centric Light

CODE	DESCRIPTION	BIO-DIMMING MODULE TECHNOLOGY GUIDE					
		Driver	Driver Voltage	CCT	Requires BIO-Dimming Module	Lighting Control	BIOS SkyBlue (490nm)
SBIOS	BIOS Static	DIM1	0-10V Dimming to 1% Dim-to-Dark	No CCT Change	No	Intensity Dimming Control Only	Always Present
DBIOS	BIOS Dynamic	BIODIM1	0-10V Intensity Dimming to 1% Dim-to-Dark	500K Shift	Yes	Intensity Dimming & Spectrum Change Controlled Together	Removed with BIO-Dimming
DBIOS-2	BIOS Dynamic (Two Channel)				No	Intensity Dimming & Spectrum Change Controlled Separately	Removed by Adjusting "Spectrum Channel"
TBIOS	BIOS Tunable	ATW / DTW	0-10V Control of Intensity & CCT on Separate 2 Channels / DALI Control of Intensity & CCT on Separate 2 Channels	Dims to 2700K	Yes	Intensity Dimming & Spectrum Change Controlled Together	Removed with BIO-Dimming
TBIOS-2	BIOS Tunable (Two Channel)				No	Intensity Dimming & Spectrum Change Controlled Separately	Removed by Adjusting "Spectrum Channel"
DWBIOS	BIOS Dim-to-Warm	-	-	Dims to 2200K	Yes	Intensity Dimming & Spectrum Change Controlled Together	Removed with BIO-Dimming
DWBIOS-2	BIOS Dim-to-Warm (Two Channel)				No	Intensity Dimming & Spectrum Change Controlled Separately	Removed by Adjusting "Spectrum Channel"

FIXTURE POWER & CONTROLS

Voltage

LED Driver Factory Selected, 36–39V Constant Current

Emergency Backup

Backup Types Emergency Circuit, Emergency Battery (Onboard), and other emergency backups are available

Wiring

Typically the Emergency Backup is wired to 48” sections

Power

10 W

Illumination Time

90 minutes

Partners



Control Systems

Integral Driver

Other

Factory Non-Dimming, Factory 0-10V 1% Dim, Factory 0-10V 10% Dim, Factory DALI 0.1% Dim, Factory DMX Dim, Factory TRIAC Dim, eldoLED 0-10V 0.1% Dim, eldoLED 0-10V 1% Dim, eldoLED DALI 0.1% Dim, and other drivers are available, consult factory (not all integral)

Lutron

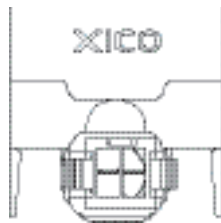
Hi-Lume 1% Dimming and 5-Series 5% Dimming

Cooper

Compatible driver

Casambi (wireless)

Compatible driver



Drivers are integral to the fixture and are included. They provide 0-10V, DALI, DMX, and TRIAC dimming. Also compatible with Cooper and other common building control systems, including PoE and wireless.

FIXTURE MOUNTING & ACCESSORIES

Mounting Type

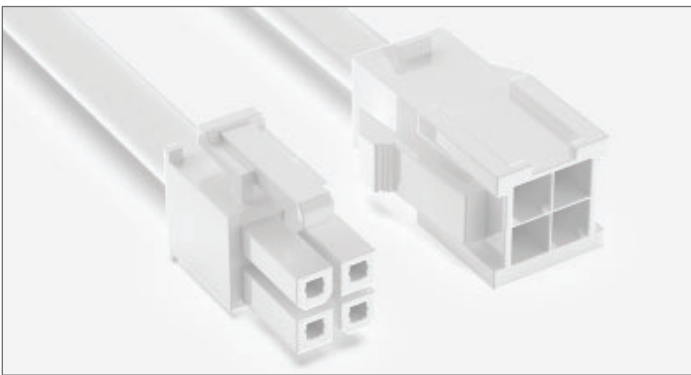
Cove Mount Installs into a cove. Available with a range of accessories, mounts and inserts that provide easy customization of visual appearance and performance enhancements.

Power Extension Cord

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

Connector (AC)

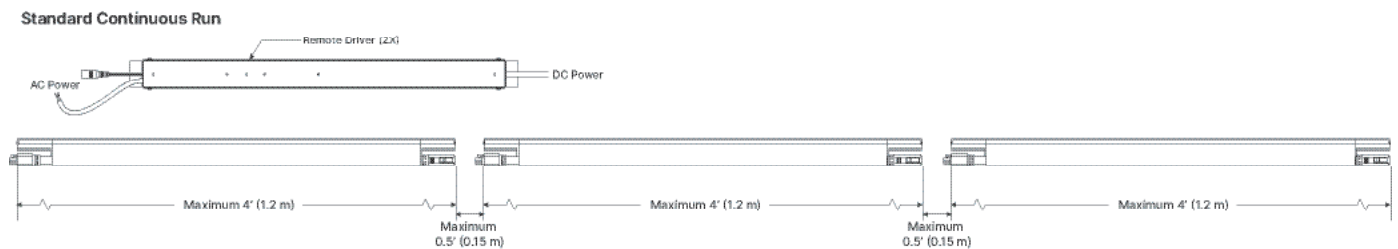
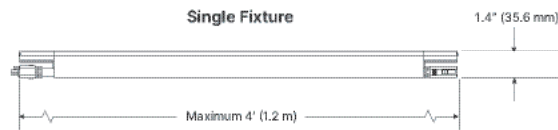
Connector Options Easy Plug-and-Play Factory Installed Connectors



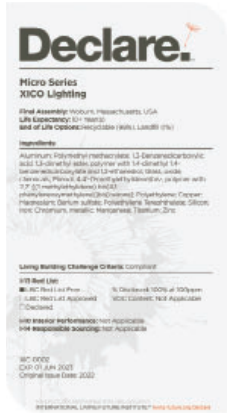
Factory Connectors

Standard Lengths & Continuous Runs

Maximum length of one fixture is 4'. Longer runs can be produced by connecting fixtures or daisy chain. Customer approval of shop drawings is required prior to build of any non-standard length order.



STANDARDS & CERTIFICATIONS



Declare Listed

Declare labels provide a quick and reliable way to make choices about the environmental footprint and safety of the product. Declare is internationally recognized and the labels can be found on the product, product packaging, or company website. Visit xicoled.com for Declare Listed details.



Red List Free

An industry standard certification for LED lighting products based on the International Living Future Institute (ILFI). These products only use materials based on the “Red List of Toxic Chemicals” (a list of chemicals and materials known to be hazardous to people and/or the Earth) that are safe, healthy, and environmentally sustainable.

Certifications

Compliance

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

Certifications



Sustainability

Declare Listed and Red List Free

Packaging

Low carbon, environmentally conscious packaging and shipping methods

Environmental Suitability

IP Rating

Suitable for Dry and Damp Locations, indoor use only

Recyclable

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

Reliability

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

Warranty & Terms

5-YR Warranty

Business Terms



For details on our warranty and business terms, please click or scan the QR Code.