MICRODash MCO Pendant

Direct | Standard Lengths

XICO®

Project Name

Fixture Type

1.4"
Scale

Remote Driver

LIGHTING CONFIGURATIONS

Direct

2.95"

1.4"
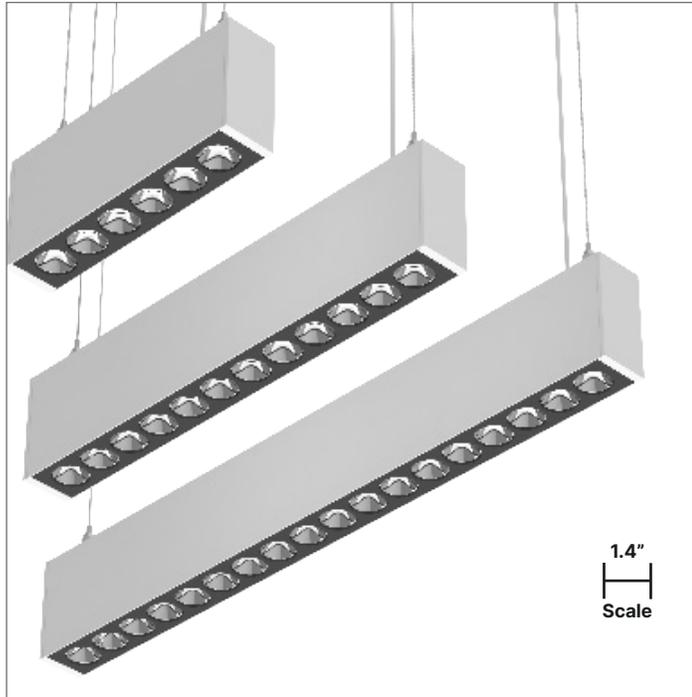
DESCRIPTION

Micro-Aperture Downlight with Controlled Lighting

MICRODash Pendant is a 1.4" linear for suspension below sheetrock ceiling, suspended grid ceilings or equivalent. MICRODash Pendant can be supplied with either a remote or integral, field serviceable, on-board driver. MICRODash Pendant brings SmartBeam® capabilities up to a powerful 2000 lumens per foot combined direct and indirect. Its small size designed to compliment architectural space. MICRODash Pendant is fully field serviceable and can be supplied in continuous runs and a variety of visually appealing shapes.

FEATURES & BENEFITS

Exceptional Performance
Low Glare (UGR<16), Up to 1,000 lm/ft, 150 lm/W efficacy

Wide Range of LED Selections
Static

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
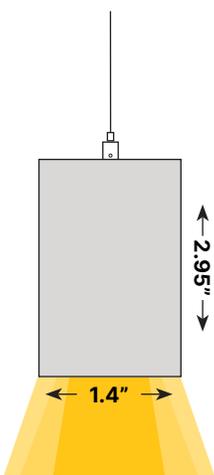Declare Listed and Red Free List materials

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 UL LISTED bios ROHS Compliant Designed & Built in BOSTON

FIXTURE ORDERING

Project Name _____   Fixture Type _____

1) FIXTURE DESIGN

PRODUCT	FIXTURE LENGTH	FINISH
MDA-MCO-P Linear LED MCO Down-light Pendant	**6C** - 6 Cell **12C** - 12 Cell **18C** - 18 Cell	**Powder Coated** **PMW** - Matte White **PMB** - Matte Black **PMG** - Matte Gray **PRAL_** - Specify RAL # **Anodized** **ACL** - Clear Anodized **ACU_** - Custom Anodized #

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 **X_** - Specify CCT	**ORMCOWB** - Round MCO, White w/ Black Cover **ORMCOBB** - Round MCO, Black w/ Black Cover **ORMCOGB** - Round MCO, Graphite w/ Black Cover **ORMCOCHB** - Round MCO, Chrome w/ Black Cover **ORMCOCB** - Round MCO, Copper w/ Black Cover	**DS25** - Micro Cavity Optic Spot 25° **DS35** - Micro Cavity Optic Spot 35° **DS45** - Micro Cavity Optic Spot 45°	**NN** - Not Needed **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 & CONNECTIONS

MOUNTING TYPE	POWER CORD
DJ - Drywall/J-Box Mount **TC1** - 9/16" Flat T-Bar Mount **TC2** - 9/16" Bolt Slot T-Bar Mount **TC3** - 15/16" Flat T-Bar Mount TC1, TC2 and TC3 clips directly to grid t-bar.	**P48W** - 48" White Cord **P48B** - 48" Black Cord **P96W** - 96" White Cord **P96B** - 96" Black Cord

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

MICRODash MCO Pendant

DIMENSIONS & INSTALLATION

Dimensions

Micro Cavity Optics

2.95"

1.4"
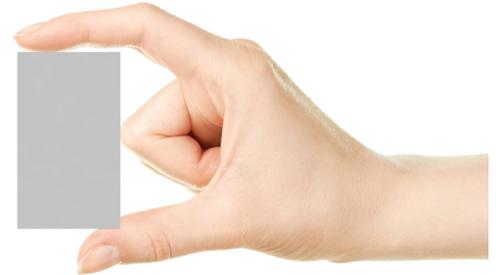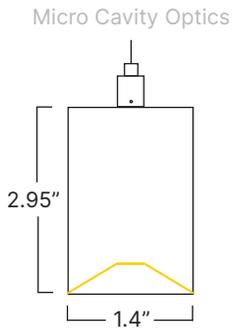
Standard Fixtures

6C	6.75"
12C	13.5"
18C	20.25"

Mounting Type

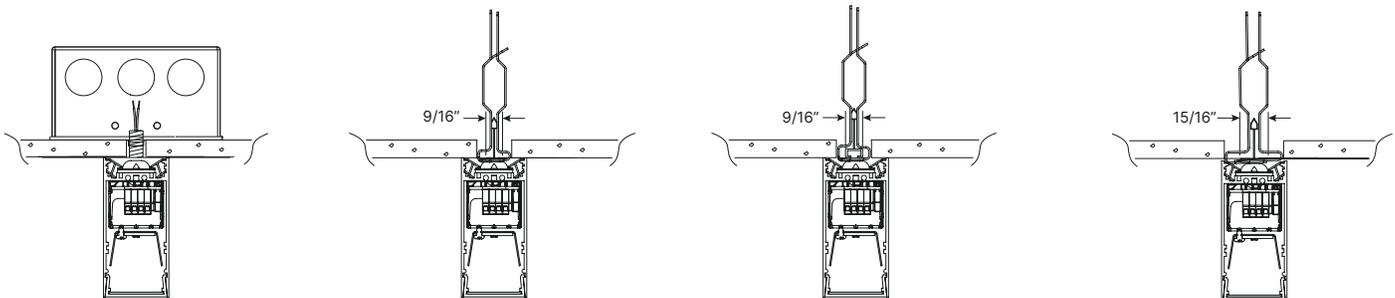|	
T-Bar Mount	Installs into a ceiling grid system and mount on to, or replace, typical T-Bar elements.
Drywall/J-Box Mount	Installs onto a surface via a junction box.

Mounting Options

9/16"   9/16"   15/16"

DJ - Drywall/J-Box Mount   **T1 - 9/16" Flat T-Bar Mount**   **T2 - 9/16" Bolt Slot T-Bar Mount**   **T3 - 15/16" Flat T-Bar Mount**

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

| **ORMCOWB** Round MCO, White Black Cover | **ORMCOBB** Round MCO, Black Black Cover | **ORMCOGB** Round MCO, Graphite Black Cover | **ORMCOCHB** Round MCO, Chrome Black Cover | **ORMCOCB** Round MCO, Copper Black Cover |

DIRECT OPTICS	S45	S35	S25
MCO	🟨	🟨	🟨

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		
	MCOS45	MCOS35	MCOS25
LM/W	82	82	82

DIRECT PHOTOMETRICS

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

Static White Light

S45: Micro Cavity Optic Spot 45°
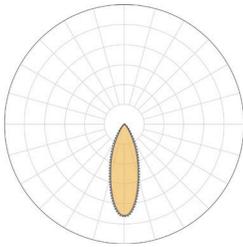
LM/FT	W/FT	LM/W
350	4.2	83.3
500	6.1	82
750	9.1	82
1000	12.1	82.6

S35: Micro Cavity Optic Spot 35°
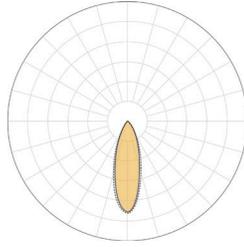
LM/FT	W/FT	LM/W
350	4.2	83.3
500	6.1	82
750	9.1	82
1000	12.1	82.6

S25: Micro Cavity Optic Spot 25°
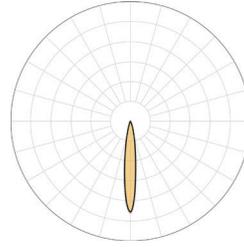
LM/FT	W/FT	LM/W
350	4.2	83.3
500	6.1	82
750	9.1	82
1000	12.1	82.6

LED OPTIONS

80: Standard 80+ CRI
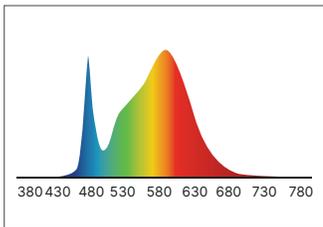
90: Standard 90+ CRI
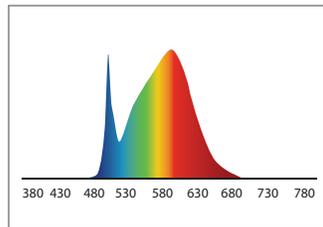
95: High-Definition 95+CRI
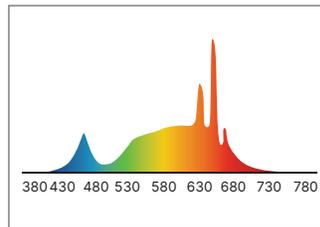
SUN: Full Spectrum "SunLike"
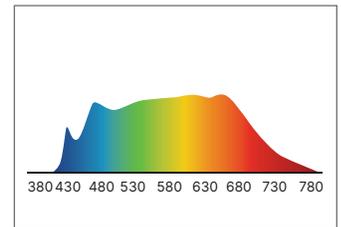
CODE	DESCRIPTION	TYPICAL LED DATA							
		CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	M/P Ratio	LPW
80	Standard 80 CRI	3500K	82.5	7.8	84	96.7	82.5	0.51	190
90	Standard 90 CRI	3500K	91	54.3	89.3	98.9	89.2	0.55	175
95	High Definition 95 CRI	3500K	97.1	95	–	–	–	0.70	163
SUN	Full Spectrum SunLike®	3500K	95	85	–	–	–	–	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 you projects needs.

Compatible Control Options

LUTRON®   CASAMBI   COOPER   nLIGHT

TECHNICAL SPECIFICATIONS

Finishes & Design Options

Housing Colors (Matte Finish)
White (RAL9003)
Black (RAL9005)
Gray (RAL7001)
Custom RAL

XICO

Housing Material
6063-T5 extruded, recycled aluminum

Mounting Brackes
Sheet Metal

Flat End Cap Material
6063-T5 extruded, recycled aluminum

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

BABAct
Build America Buy America Act

Certifications

UL LISTED   CSA   RoHS 2002/95/EC   IC RATED

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

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Declare.

Nano Series
XICO Lighting

Final Assembly: Woburn, MA, USA
Life Expectancy: 10+ Year(s)
End of Life Options: Recyclable (99%)

Ingredients:

Aluminum; Glass, oxide, chemicals; Polymethyl methacrylate; Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-methylethylidene) bis(4,2-phenyleneoxymethylene)]bis[oxirane]; 1,3-Benzenedicarboxylic acid, 1,3-dimethyl ester, polymer with 1,4-dimethyl 1,4-benzenedicarboxylate and 1,2-ethanediol; Polyethylene; Copper; Polyethylene Terephthalate; Barium sulfate; Magnesium; Silicon; Phosphor(isothiocyanatidc) acid, diphenyl ester; Iron; Siloxanes and Silicones, di-Me; Chromium, metallic; Gold; Manganese; Titanium; Zinc; Nickel (Metallic)

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
INTERNATIONAL LIVING FUTURE INSTITUTE

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**