

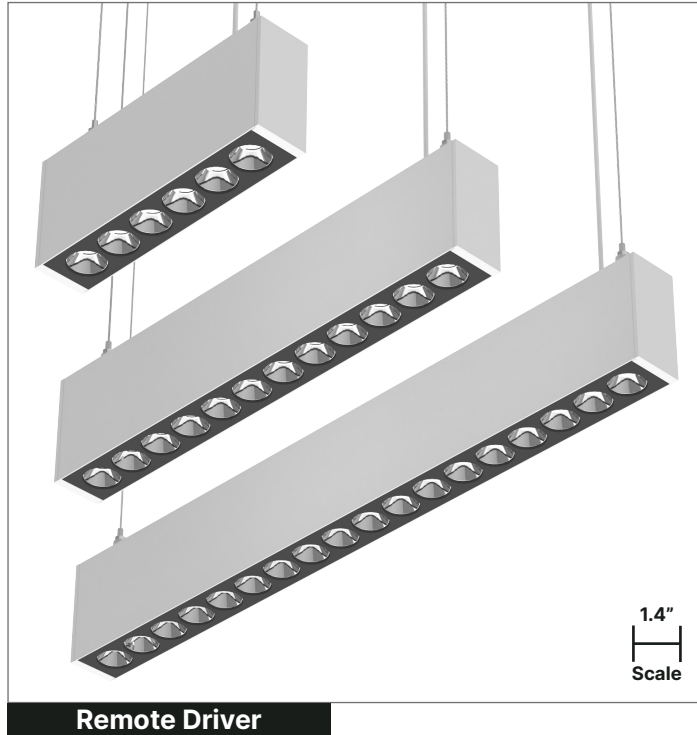
MICRODash MCO Pendant

Direct | Standard Lengths

XICO®

Project Name _____

Fixture Type _____



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 1000 lumens per foot. Its small size designed to compliment architectural space. MICRODash Pendant is fully field serviceable.

FEATURES & BENEFITS

Exceptional Performance

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

LED Selections

Static White

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

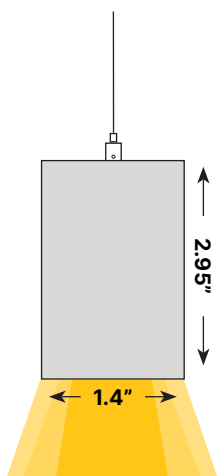
UL Listed, Dry and Damp Locations

5-Year Warranty

Standard 5-year warranty, 50,000 hours

LIGHTING CONFIGURATIONS

Direct



Declare



bios



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	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°	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

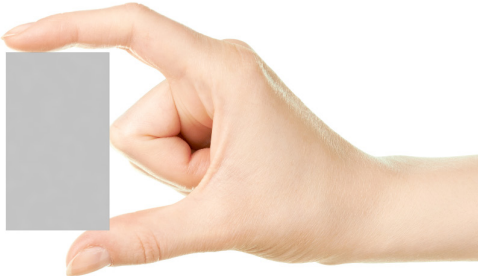
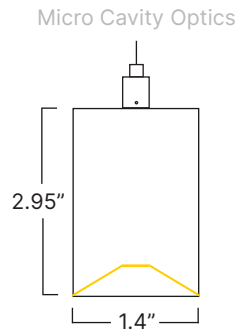
4) FIXTURE MOUNTING & CONNECTIONS

MOUNTING TYPE	CANOPIES	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 UNI - 1-5/8" Unistrut Channel Mount TC1, TC2 and TC3 clips directly to grid t-bar.	RCW25 - 2" & 5" Round Canopy, White RCB25 - 2" & 5" Round Canopy, Black	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

DIMENSIONS & INSTALLATION

Dimensions



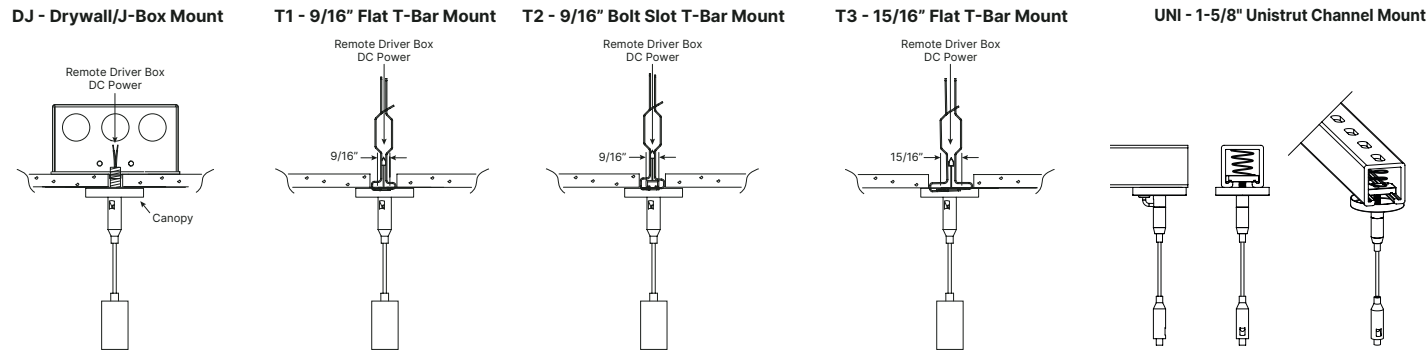
Standard Fixtures

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

Mounting Type

- T-Bar Mount** Installs directly to grid T-Bar.
- Drywall/J-Box Mount** Installs onto a surface via a junction box.
- Unistrut** Installs directly to unistrut channel.

Mounting Options

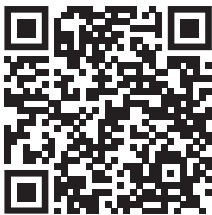


SMARTBEAM® TECHNOLOGY

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

LOW GLARE PERFORMANCE

MICRODash is engineered for low glare control, delivering exceptional visual comfort. Utilizing advanced Micro Cavity Optics (MCO) technology, MICRODash achieves an ultra-low unified glare rating (UGR) ranging from <10 to 18. This complies with the EN 12464-1 standard office requirement (UGR ≤19), eliminating eye strain and modern screen glare in high-density workspaces.

UGR Visual Comfort Performance Matrix (70/50/20)¹

	LAMP VIEWED CROSSWISE (PERPENDICULAR)					LAMP VIEWED ENDWISE (PARALLEL)				
ROOM LENGTH (Y)	2H	10.6	10.2	–	–	2H	10.9	10.5	–	–
	3H	10.3	10.1	–	–	3H	10.6	10.5	–	–
	4H	10.2	10.0	9.9	9.8	4H	10.6	10.3	10.2	10.2
	6H	10.3	10.0	9.9	9.9	6H	10.6	10.3	10.2	10.3
	8H	10.3	10.0	10.1	10.0	8H	10.6	10.3	10.4	10.3
	12H	10.3	10.1	10.2	–	12H	10.6	10.4	10.5	–
		2H	4H	8H	12H		2H	4H	8H	12H
		ROOM WIDTH (X)					ROOM WIDTH (X)			

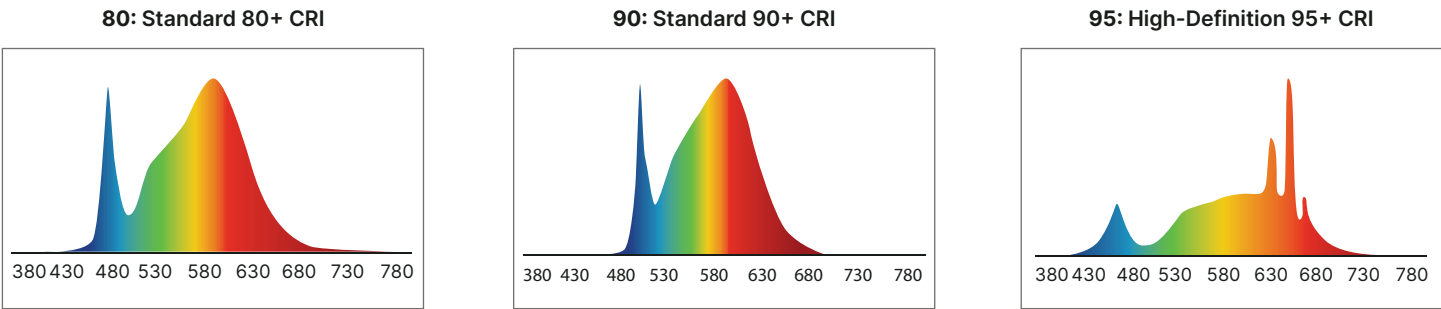
Footnotes: ¹1,000 Lumens per Foot, DS25° (Micro Cavity Optics Spot 25°)

UGR Visual Comfort Performance Matrix (70/50/20)²

		LAMP VIEWED CROSSWISE (PERPINDICULAR)					LAMP VIEWED ENDWISE (PARALLEL)				
ROOM LENGTH (Y)	2H	13.8	13.6	–	–		2H	16.2	15.8	–	–
	3H	13.7	13.7	–	–		3H	15.9	15.8	–	–
	4H	13.7	13.8	13.8	13.7		4H	15.9	15.8	15.8	15.7
	6H	13.9	14.0	14.2	14.3		6H	16.1	16.0	16.0	16.1
	8H	14.0	14.2	14.6	14.7		8H	16.1	16.1	16.3	16.3
	12H	14.2	14.5	15.1	–		12H	16.2	16.2	16.6	–
		2H	4H	8H	12H		2H	4H	8H	12H	
		ROOM WIDTH (X)					ROOM WIDTH (X)				

Footnotes: ²1,000 Lumens per Foot, DS35° (Micro Cavity Optics Spot 35°)

LED OPTIONS



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
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

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

LPW Performance

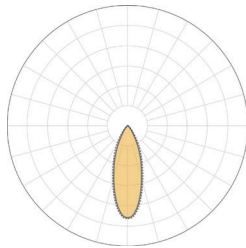
	DIRECT		
	S45	S35	S25
LM/W	82	82	82

DIRECT PHOTOMETRICS

Static White Light

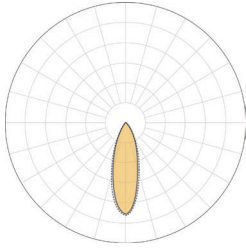
48" Length, 80+/3500K CRI/CCT, 3,000 Lumens

S45: Micro Cavity Optic Spot 45°



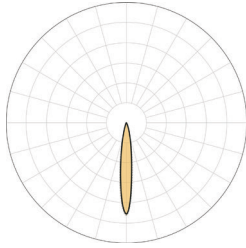
LM/FT	W/FT	LM/W
350	4.2	83.3
500	6.1	82
750	9.1	82
1000	12.1	82.6

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

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 RatingSuitable 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



