

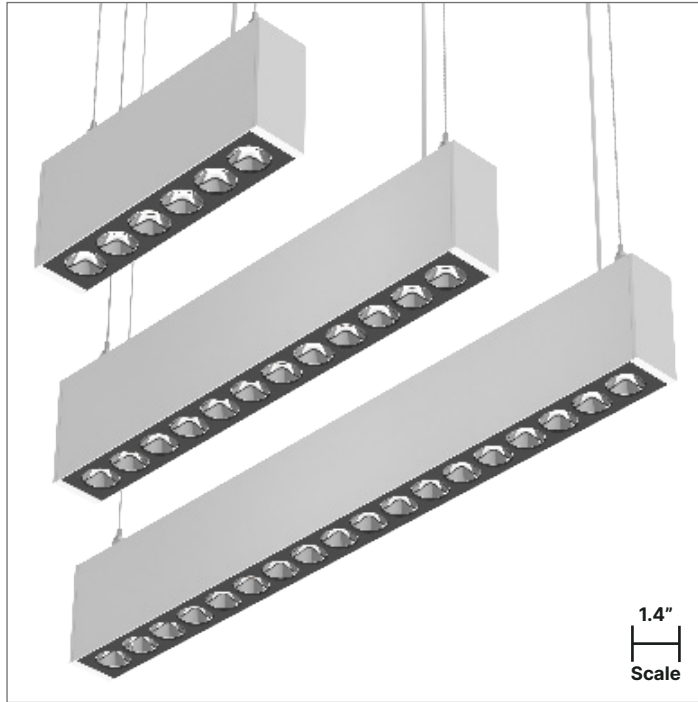
# MICRODash MCO Pendant



Direct | Standard Lengths

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

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



**Remote Driver**

## 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

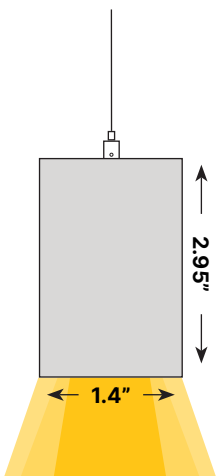
UL Listed, Dry and Damp Locations

### 5-Year Warranty

Standard 5-year warranty, 50,000 hours

## LIGHTING CONFIGURATIONS

Direct



Designed & Built in  
**BOSTON**

## FIXTURE ORDERING

Project Name \_\_\_\_\_ Fixture Type \_\_\_\_\_

### 1) FIXTURE DESIGN

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

### 2) LED LIGHT ENGINE

CRI	CCT	OPTIC (DIRECT ONLY)	DIRECT BEAM PATTERN	DIRECT OUTPUT
<b>80</b> - Std. 80 CRI <b>90</b> - Std. 90 CRI <b>95</b> - High-Def. 95 CRI	<b>27</b> - 2700K <b>30</b> - 3000K <b>35</b> - 3500K <b>40</b> - 4000K <b>X_</b> - Specify CCT	<b>ORMCOWB</b> - Round MCO, White w/ Black Cover <b>ORMCOBB</b> - Round MCO, Black w/ Black Cover <b>ORMCOGB</b> - Round MCO, Graphite w/ Black Cover <b>ORMCOCHB</b> - Round MCO, Chrome w/ Black Cover <b>ORMCOCB</b> - Round MCO, Copper w/ Black Cover	<b>DS25</b> - Micro Cavity Optic Spot 25° <b>DS35</b> - Micro Cavity Optic Spot 35° <b>DS45</b> - Micro Cavity Optic Spot 45°	<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 & CONTROLS

LINE VOLTAGE (DC)	REMOTE DRIVER (POWER) <sup>1</sup>
<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

Footnotes: <sup>1</sup>Standard driver box is included

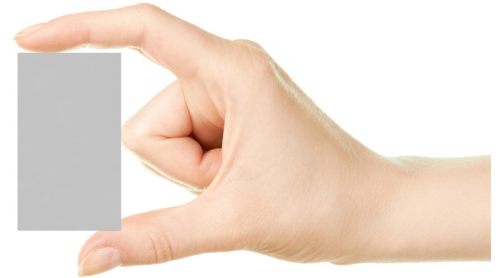
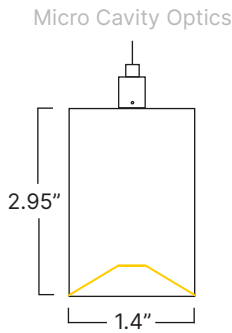
### 4) FIXTURE MOUNTING & CONNECTIONS

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

OPTIONAL	
EMERGENCY BACKUP	WIRELESS MODULE
<p><b>EMC</b> - Emergency Circuit  <b>EMB</b> - Emergency Battery (10 W — Remote)  <b>X_</b> - Specify Backup</p> <p>Specify requirements at time of order.</p>	<p><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 &lt; 10')  <b>MW</b> - Wireless Communication Node + MW Sensor (Standard for Low Bay &lt; 10')  <b>X_</b> - Other – Specify Embedded Component or Specific Non-Standard Sensor Detection Range</p>

## DIMENSIONS & INSTALLATION

### Dimensions



### Standard Fixtures

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

### Mounting Type

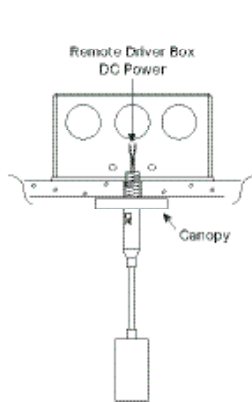
#### T-Bar Mount

Installs directly to grid T-Bar.

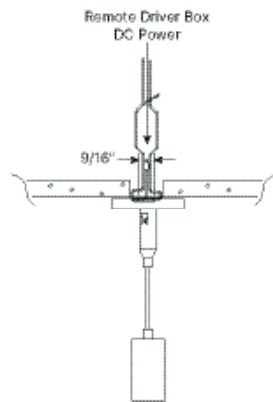
#### Drywall/J-Box Mount

Installs onto a surface via a junction box.

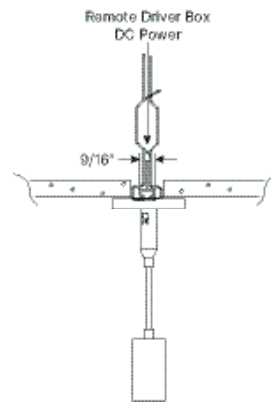
### Mounting Options



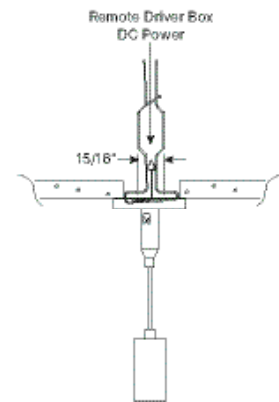
DJ - Drywall/J-Box Mount



T1 - 9/16" Flat T-Bar Mount



T2 - 9/16" Bolt Slot T-Bar Mount



T3 - 15/16" Flat T-Bar Mount

## SMARTBEAM® TECHNOLOGY





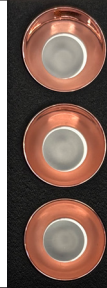
### The Ultimate Control of Lighting Distributions

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

				
<b>ORMCOWB</b> Round MCO, White Black Cover	<b>ORMCOBB</b> Round MCO, Black Black Cover	<b>ORMCOGB</b> Round MCO, Graphite Black Cover	<b>ORMCOCHB</b> Round MCO, Chrome Black Cover	<b>ORMCOCB</b> 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 16. 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)<sup>1</sup>

	LAMP VIEWED CROSSWISE (PERPENDICULAR)					LAMP VIEWED ENDWISE (PARALLEL)				
	2H	4H	8H	12H		2H	4H	8H	12H	
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: <sup>1</sup>1,000 Lumens per Foot, DS25° (Micro Cavity Optics Spot 25°)

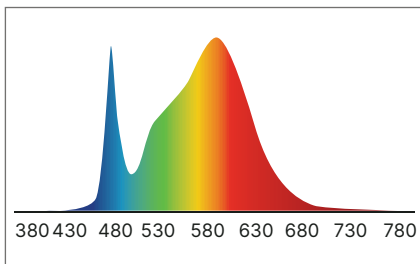
## UGR Visual Comfort Performance Matrix (70/50/20)<sup>2</sup>

		LAMP VIEWED CROSSWISE (PERPENDICULAR)				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)			

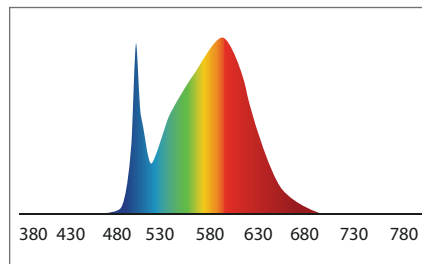
Footnotes: <sup>2</sup>1,000 Lumens per Foot, DS35° (Micro Cavity Optics Spot 35°)

## LED OPTIONS

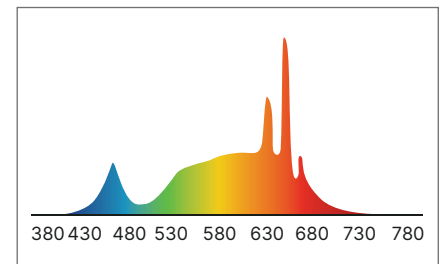
80: Standard 80+ CRI



90: Standard 90+ CRI



95: High-Definition 95+ CRI



## 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

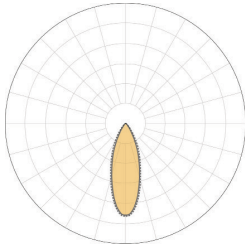
	DIRECT		
	S45	S35	S25
LM/W	82	82	82

## DIRECT PHOTOMETRICS

Static White Light

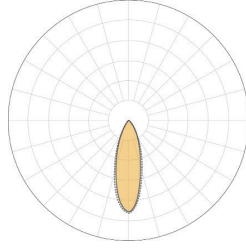
48" Length, 80+/3500K CRI/CCT, 3,000 Lumens

**S45:** Micro Cavity Optic Spot 45°



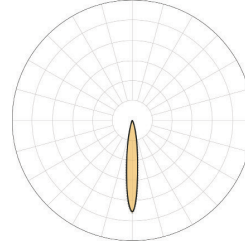
LM/FT	W/FT	LM/W
350	4.2	83.3
500	6.1	82
750	9.1	82
1000	12.1	82.6

**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 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 projects needs.

### Compatible Control Options



