

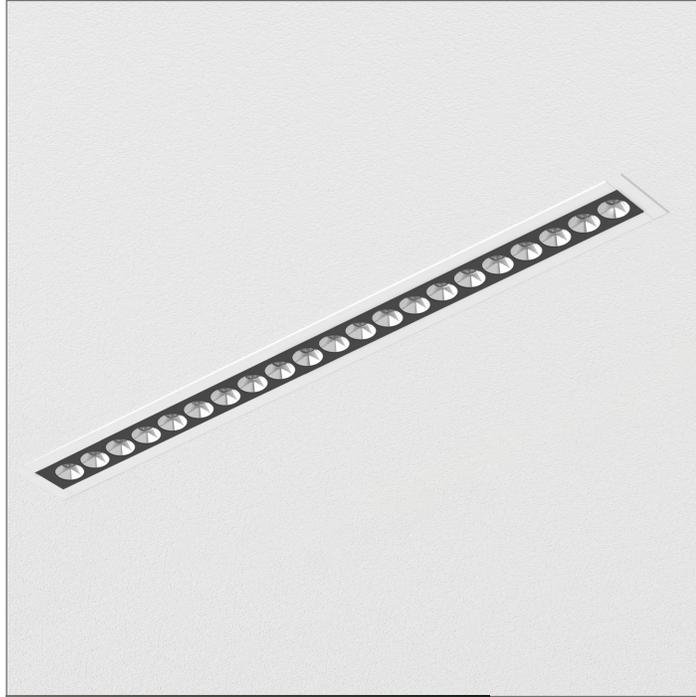
# MICRODash MCO Recessed



Direct | Standard Lengths

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

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



Fixture Mounted or Remote Driver

## DESCRIPTION

### Micro-Aperture Downlight with Controlled Lighting

MICRODash Recessed is a 1.4" linear for installation in sheetrock, ceiling grid tiles or equivalent. MICRODash Recessed can be supplied with fixture mounted or remote board driver. MICRODash Recessed brings SmartBeam® capabilities up to a powerful 1000 lumens per foot direct. Its small size designed to compliment architectural space.

## 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

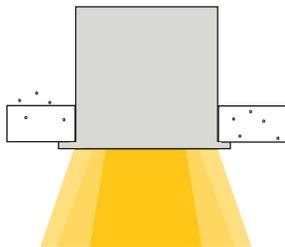
UL Listed, Dry and Damp Locations

### 5-Year Warranty

Standard 5-year warranty, 50,000 hours

## LIGHTING CONFIGURATIONS

Direct



Designed & Built in **BOSTON**

## FIXTURE ORDERING

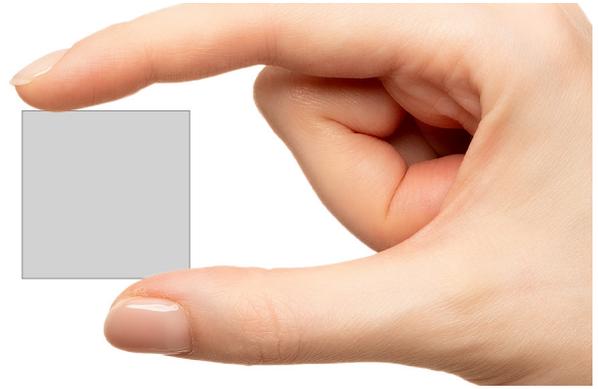
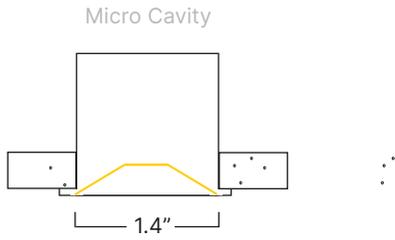
Project Name \_\_\_\_\_

1) FIXTURE DESIGN				
PRODUCT	FIXTURE LENGTH	FINISH		
<b>MDA-MCO-R</b> Linear LED MCO Downlight Recessed	<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>SUN</b> - Full SunLike	<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>DS45</b> - Micro Cavity Optics Spot 45° <b>DS35</b> - Micro Cavity Optics Spot 35° <b>DS25</b> - Micro Cavity Optics Spot 25°	<b>NN</b> - Not Needed <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)	DRIVER LOCATION	DRIVER (POWER) <sup>1</sup>		
<b>UNV</b> - 120/277V <b>347</b> - 347V	<b>FMD</b> - Fixture Mounted Driver <b>RD</b> - Remote Driver	<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>FD0A</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>3</sup> Standard driver box is included	
4) FIXTURE MOUNTING				
MOUNTING TYPE				
<b>DK</b> - Drywall Kit <b>X_</b> - Specify Mounting Type				

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

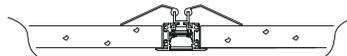
6C	6.75"
12C	13.5"
18C	20.25"

### Mounting Type

#### Drywall Mount

Installs onto a drywall surface. Available with a range of accessories, mounts and inserts that provide easy customization of visual appearance and performance enhancements.

#### Mounting Options



#### DK - Drywall Kit

## SMARTBEAM® TECHNOLOGY

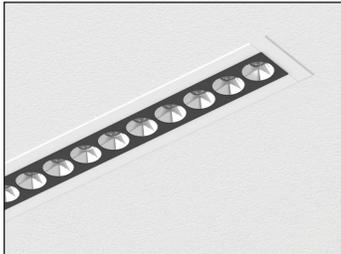
### The Ultimate Control of Lighting Distributions

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



MCO - Micro Cavity Optics

DIRECT OPTICS	DS		
	DS45	DS35	DS25
MCO	■	■	■

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

### 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

### LPW Performance

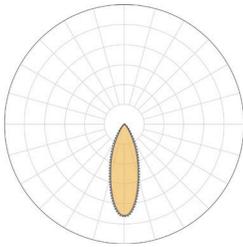
	DIRECT		
	DS45	DS35	DS25
LM/W	82	82	82

## DIRECT PHOTOMETRICS

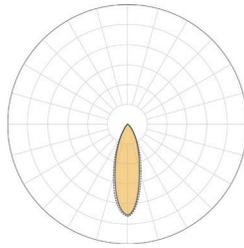
Static White Light

48" Length, HE80 LED, 80+/3500K CRI/CCT, 3,000 Lumens

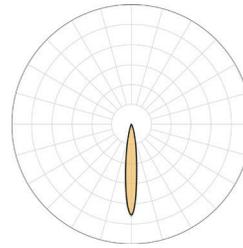
**S45:** Micro Cavity Optic Spot 45°



**DS35:** Micro Cavity Optic Spot 35°



**DS25:** 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

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

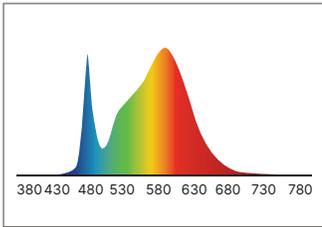
LM/FT	W/FT	LM/W
350	4.2	83.3
500	6.1	82
750	9.1	82
1000	12.1	82.6

## MICRO CAVITY OPTICS CHOICES

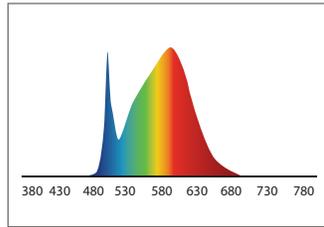
				
<b>ORMCOWB</b> Round MCO, White Black Cover	<b>ORMCOBB</b> Round MCO, Black Black Cover	<b>ORMCOGB</b> Round MCO, Graphite Black Cover	<b>ORMCOCHB</b> Round MCO, Chrome Black Cover	<b>ORMCOCB</b> Round MCO, Copper Black Cover

## LED OPTIONS

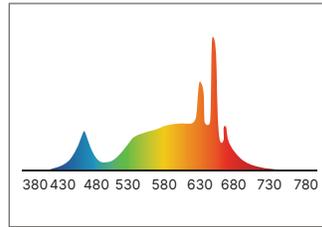
**80: Standard 80+ CRI**



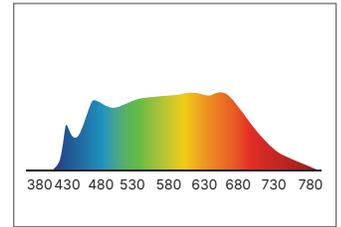
**90: Standard 90+ CRI**



**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

Fixture Mounted or 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



## TECHNICAL SPECIFICATIONS

### Finishes & 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

Flush, Regressed, Micro Baffle, and Round Micro Cavity Optics (MCO) lens options with 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



#### 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 Lighting

Final Assembly: Woburn, MA, USA  
Life Expectancy: 50+ Years  
End of Life Options: Recyclable (99%)

#### Ingredients:

Aluminum, Glass, oxide, chemicals, Polymethyl methacrylate, Phenol, 4,4'-[O-methylstyrene]bis-, polymer with 2,2'-(5-methylhexanedioxy)bis[4-(2-phenylpropanoate)phenol], 3-benzenebutanoic acid, 1,1-dimethyl ether, polymer with 1,4-dimethyl-1-cyanobenzenebutanoate and 1,2-dimethyl-, Polyethylene Glycol, Polyethylene Terephthalate, Barium sulfate, Hexamers, Silicon, Phosphonotrihydroxyacetic acid, diphenyl ether, iron, Siloxanes and Siloxanes, d-Me, Chromium, metallic, Gold, Hexagone, 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 & Trademarks



#### SmartBeam



#### Revit Files

