

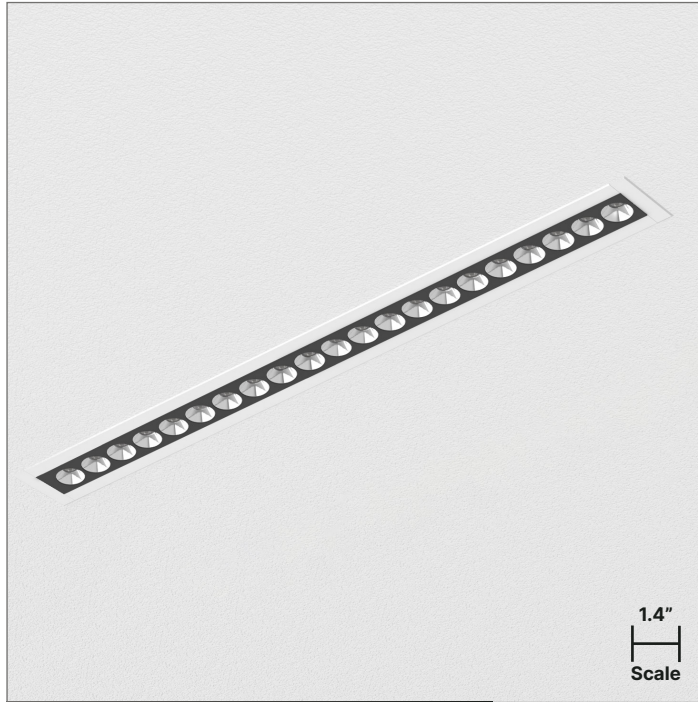
MICRODash MCO Recessed



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

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

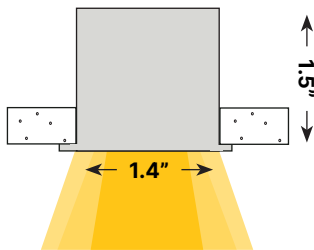
UL Listed, Dry and Damp Locations

5-Year Warranty

Standard 5-year warranty, 50,000 hours

LIGHTING CONFIGURATIONS

Direct



Designed & Built in
BOSTON

FIXTURE ORDERING

Project Name _____

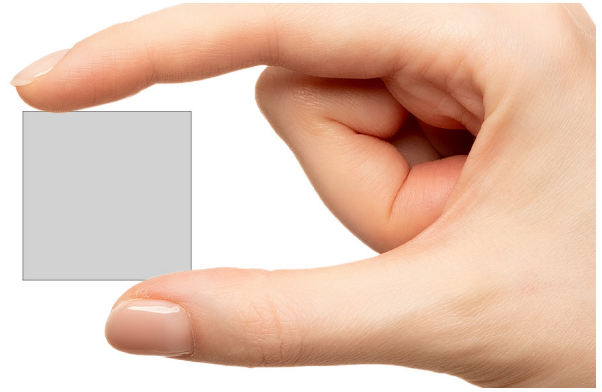
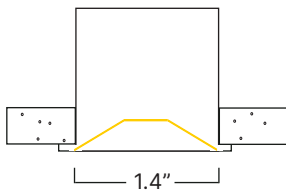
1) FIXTURE DESIGN				
PRODUCT	FIXTURE LENGTH	FINISH		
MDA-MCO-R Linear LED MCO Downlight Recessed	6C - 6 Cell 12C - 12 Cell 18C - 18 Cell	Powder Coated PMW - Matte White PMB - Matte Black PMG - Matte Gray PRAL_ - Specify RAL # Anodized ACL - Clear Anodized ACU_ - Custom Anodized #		
2) LED LIGHT ENGINE				
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	DS45 - Micro Cavity Optics Spot 45° DS35 - Micro Cavity Optics Spot 35° DS25 - Micro Cavity Optics Spot 25°	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)	DRIVER LOCATION	DRIVER (POWER) ¹		
UNV - 120/277V 347 - 347V	FMD - Fixture Mounted Driver RD - Remote Driver	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: ³ Standard driver box is included	
4) FIXTURE MOUNTING				
MOUNTING TYPE				
DK - Drywall Kit X_ - Specify Mounting Type				

OPTIONAL	
EMERGENCY BACKUP	WIRELESS MODULE
<p>EMC - Emergency Circuit EMB - Emergency Battery (10 W — Remote) X_ - Specify Backup</p> <p>Specify requirements at time of order.</p>	<p>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</p>

DIMENSIONS & INSTALLATION

Dimensions

Micro Cavity Optics



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





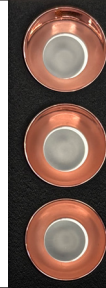
The Ultimate Control of Lighting Distributions

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

				
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 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)¹

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

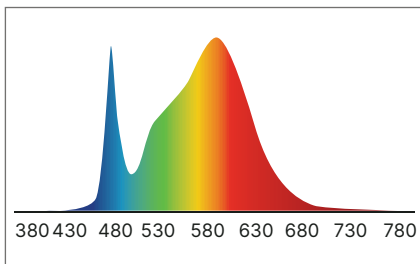
UGR Visual Comfort Performance Matrix (70/50/20)²

		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)			

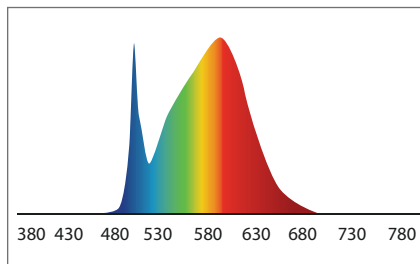
Footnotes: ²1,000 Lumens per Foot, DS35° (Micro Cavity Optics Spot 35°)

LED OPTIONS

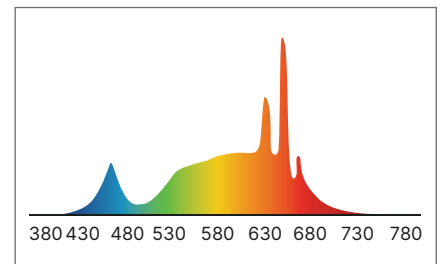
80: Standard 80+ CRI



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

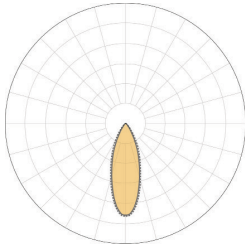
	DIRECT		
	S45	S35	S25
LM/W	82	82	82

DIRECT PHOTOMETRICS

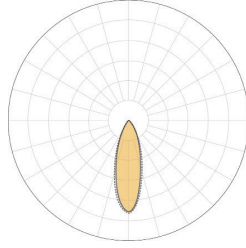
Static White Light

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

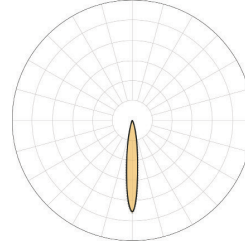
S45: Micro Cavity Optic Spot 45°



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

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: 15+ Years
 End of Life Options: Recyclable (99%)

Ingredients:
 Aluminum, Glass, oxide, chemicals, Polymethyl methacrylate, Phenol, 4,4'-[O-methylstylylene]bis-, polymer with 2,2'-(5-methylhexanedio)bis[4-(phenylphenyl)oxy]diphenyl ether, 1,3-benzenedicarboxylic acid, 1,1-dimethyl ether, polymer with 1,4-dimethyl-1,4-benzenedicarboxylate and 1,2-dimethylol, Polyethylene Glycol, Polyethylene Terephthalate, Barium sulfate, Hexamers, Silicon, Phosphoric acid, phosphoric acid, diphenyl ether, iron, Siloxane and Siloxane, di-Me, Chromium, metallic, Gold, Hexamers, 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.

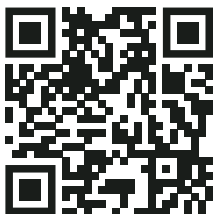


Red List Free

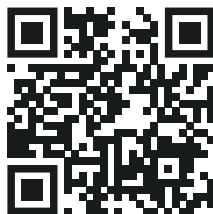
Xico Lighting is dedicated to creating safe, sustainable solutions. All our products are Red List Free, meeting the highest industry standards for healthy and environmentally responsible materials as defined by the International Living Future Institute (ILFI). Learn more at xicoled.com/declare.

Quick Links

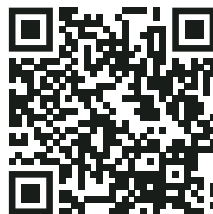
5-YR Warranty



Business Terms



Patents & Trademarks



SmartBeam



Revit Files

