

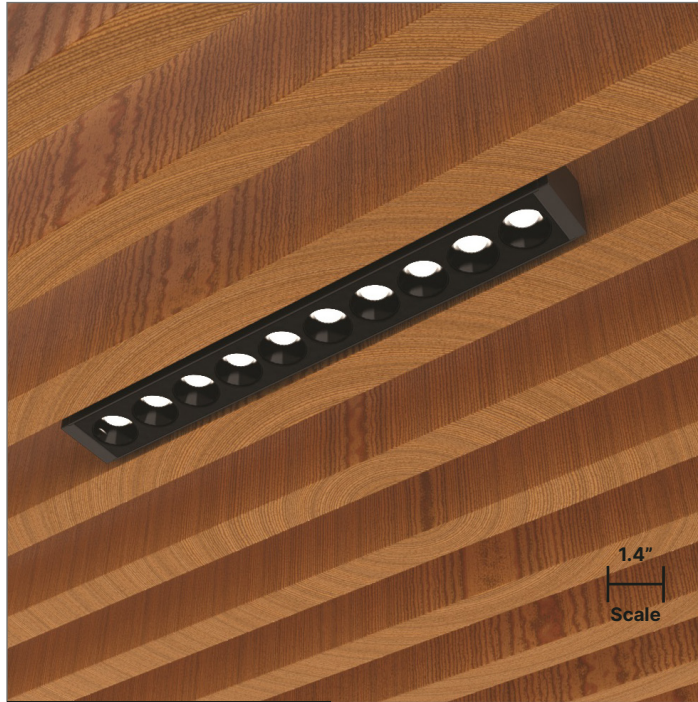
MICRODash MCO Woodworks®



Direct | Standard Lengths

Project Name _____

Fixture Type _____



Remote Driver

DESCRIPTION

Micro-Aperture Downlight for Wood Ceiling Grids

MICRODash Woodworks® is a 1.4" linear for mounting on to Armstrong Woodworks® ceiling grid or equivalent. MICRODash Woodworks® can be supplied with either a remote or integral, field serviceable, on-board driver. MICRODash Woodworks® brings SmartBeam® capabilities up to a powerful 2000 lumens per foot combined direct and indirect. Its small size designed to compliment architectural space. MICRODash Woodworks® 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, 110 lm/W efficacy

Wide Range of LED Selections

Static

Designed with Options

Wide choice of SmartOptic® lenses, beam distributions, 80/90/95+ CRI, 2200K to 5000K 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

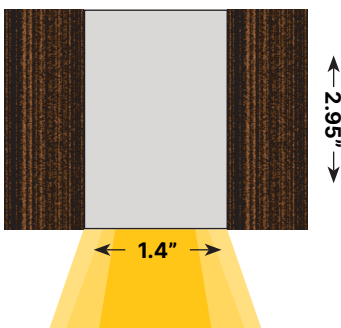
UL Listed, Dry and Damp Locations

5-Year Warranty

Standard 5-year warranty, 50,000 hours

LIGHTING CONFIGURATIONS

Direct



Designed & Built in
BOSTON

FIXTURE ORDERING

Project Name _____ Fixture Type _____

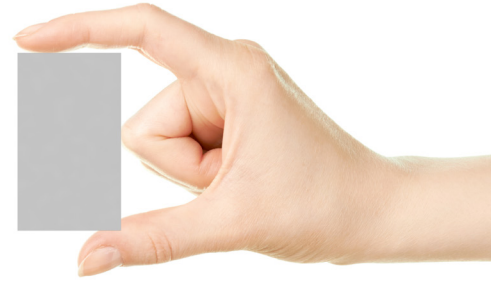
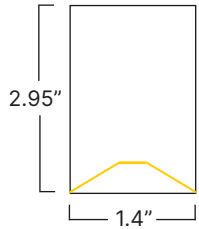
1) FIXTURE DESIGN				
PRODUCT	FIXTURE LENGTH	FINISH		
MDA-MCO-W Linear LED MCO Down-light Woodworks	6C - 6 Cell 12C - 12 Cell 18C - 18 Cell	Powder Coated PMW - Matte White PMB - Matte Black PMG - Matte Gray PRAL_ - Specify RAL # Anodized ACL - Clear Anodized ACU_ - Custom Anodized #		
2) LED LIGHT ENGINE				
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 WSMB275 - Wood Surface Mounting Bracket for 2-3/4" Slat Height WSMB4 - Wood Surface Mounting Bracket for 4" Slat Height	P24W - 24" White Cable Kit P24B - 24" Black Cable Kit			

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

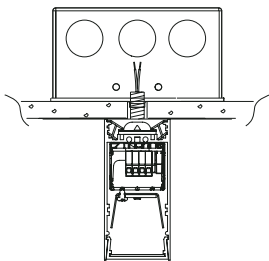
T-Bar Mount

Installs into a ceiling grid system and mount on to, or replace, typical T-Bar elements.

Drywall/J-Box Mount

Installs onto a wood surface via a junction box.

Mounting Options



DJ - Drywall/J-Box Mount

SMARTBEAM® TECHNOLOGY





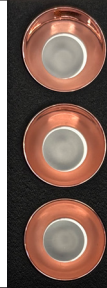
The Ultimate Control of Lighting Distributions

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

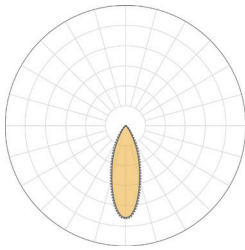
	DIRECT		
	MCOS45	MCOS35	MCOS25
LM/W	82	82	82

DIRECT PHOTOMETRICS

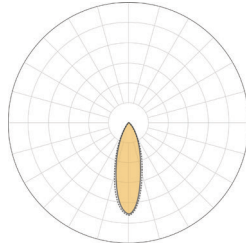
Static White Light

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

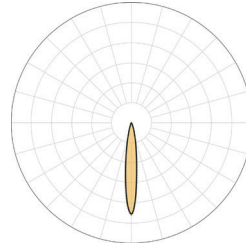
S45: Micro Cavity Optic Spot 45°



S35: Micro Cavity Optic Spot 35°



S25: Micro Cavity Optic Spot 25°



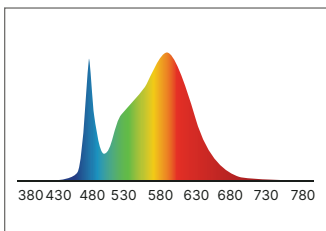
LM/FT	W/FT	LM/W
350	4.2	83.3
500	6.1	82
750	9.1	82
1000	12.1	82.6

LM/FT	W/FT	LM/W
350	4.2	83.3
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750	9.1	82
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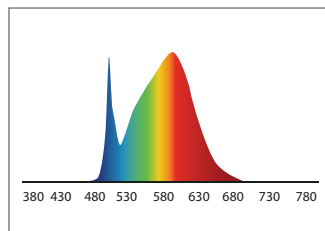
LM/FT	W/FT	LM/W
350	4.2	83.3
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LED OPTIONS

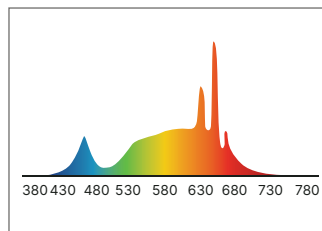
80: Standard 80+ CRI



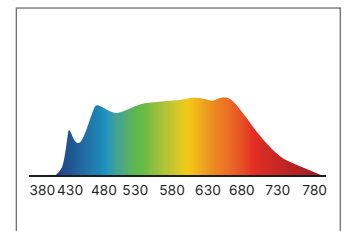
90: Standard 90+ CRI



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 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 projects needs.

Compatible Control Options



