

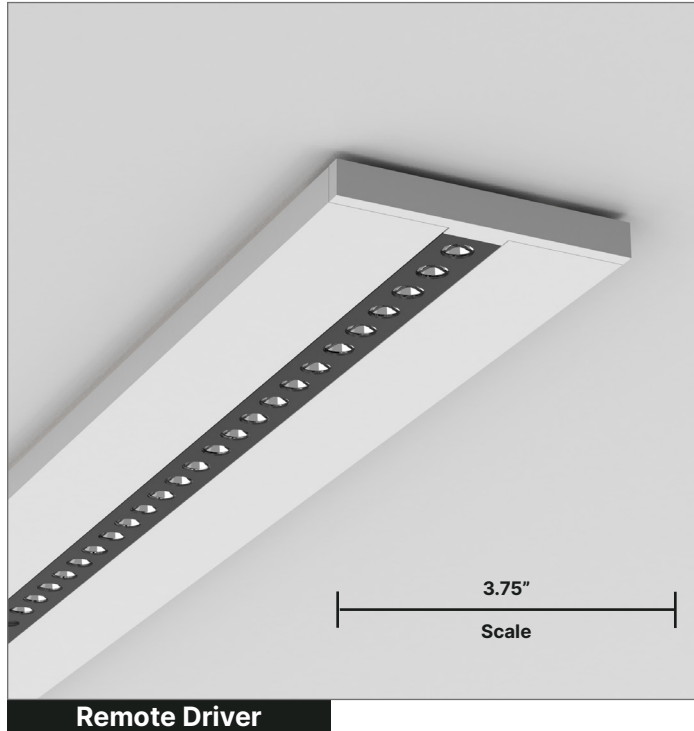
MICROFlat375 Surface

Direct | Standard Lengths

Project Name _____

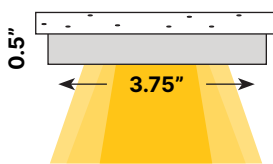
Fixture Type _____

XICO®



LIGHTING CONFIGURATIONS

Direct



DESCRIPTION

0.5" x 3.75" Low-Profile Surface Mounted Fixture

The MICROFlat375 Surface from XICO is an innovative ultra-slim and compact surface-mounted LED linear product providing best-in-class efficiency and beam control options. The MICROFlat375 is designed to be specification-grade with high lumen per foot, high CRI, and circadian options. MICROFlat375 does not rely on low-cost LED tape but rather engineered light engines with fully customizable choices for lumen output, CCT, and CRI.

FEATURES & BENEFITS

Exceptional Performance

3.75" x 0.5" fixture delivering up to 1,000 lm/ft, 150 lm/W efficacy

Wide Range of LED Selections

Static, Tunable White, and Dim-to-Warm

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

Declare



bios



Designed & Built in
BOSTON

FIXTURE ORDERING

Project Name _____

Fixture Type _____

1) FIXTURE DESIGN

PRODUCT	FIXTURE LENGTH	FINISH
MFL375-S 3.75" Low-Profile Linear LED Light Fixture	1 - 1 ft 2 - 2 ft 4 - 4 ft 6 - 6 ft 8 - 8 ft	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 XD - Dim-to-Warm XT - Tunable X_ - Specify CCT Specify Dim-to-Warm and Tunable between 2700K-6500K.	OFL - Flush Lens ORMCOW - Round MCO, White ORMCOB - Round MCO, Black ORMCOG - Round MCO, Graphite	NN - Not Needed DLAM - Lambertian DBW60 - Batwing 60° DM50 - Medium 50° DA5525 - Asym 55° at 25° Tilt X_ - Specify Beam¹	NN - Not Needed 35 - 350 lm/ft 50 - 500 lm/ft 75 - 750 lm/ft 100 - 1,000 lm/ft X_ - Specify lm/ft
			DS45 - Micro Cavity Optic Spot 45°	

3) FIXTURE POWER & CONTROLS

LINE VOLTAGE (DC)	REMOTE DRIVER (POWER)²	Footnotes: ¹Contact factory about custom beam options. ² Standard driver box is included
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	

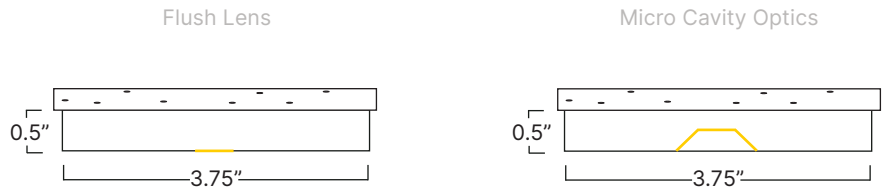
4) FIXTURE MOUNTING & CONNECTIONS

MOUNTING TYPE	CONNECTOR
SMC - Surface Mount Clip SMM - Surface Mount Magnet TC1 - 9/16" Flat T-Bar Mount TC2 - 9/16" Bolt Slot T-Bar Mount TC3 - 15/16" Flat T-Bar Mount TC1, TC2 and TC3 clips directly to grid t-bar.	SW - Strip Wire FP - Factory Plug

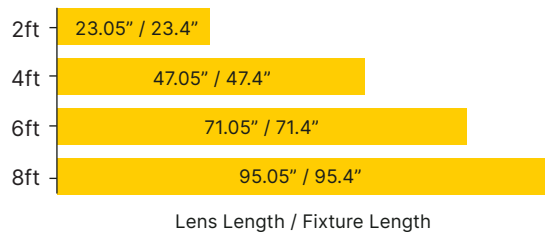
OPTIONAL	
EMERGENCY BACKUP	WIRELESS MODULE
EMC - Emergency Circuit EMB - Emergency Battery (10 W — Remote) X_ - Specify Backup Specify requirements at time of order.	WCN - Wireless Communication Node (Connected to LED Driver In-Fixture or In-Driver Box) PIR - Wireless Communication Node + PIR Sensor (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



Mounting Options

T-Bar Mount

Installs into a ceiling grid system and mount on to, or replace, typical T-Bar elements. Available with a range of accessories, mounts and inserts that provide easy customization of visual appearance and performance enhancements.

Surface Mount






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

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**

DIRECT OPTICS	BEAM PATTERN				
	DLAM	DBW60	DM50	DA5525	DS45
Flush Lens					
Micro Cavity Optics					

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				
	LAM	BW60	M50	A5525	DS45
LM/W	130	149	149	149	82

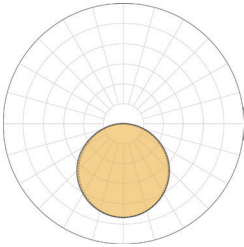
$$LM/W = \frac{\left(\begin{array}{c} \text{DIRECT} \\ \text{LM/FT} \end{array} + \begin{array}{c} \text{INDIRECT} \\ \text{LM/FT} \end{array} \right)}{\left(\begin{array}{c} \text{DIRECT} \\ \text{W/FT} \end{array} + \begin{array}{c} \text{INDIRECT} \\ \text{W/FT} \end{array} \right)}$$

DIRECT PHOTOMETRICS

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

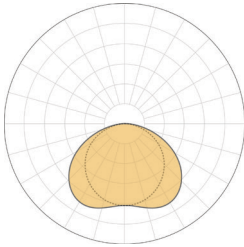
Static White Light

DLAM: Lambertian



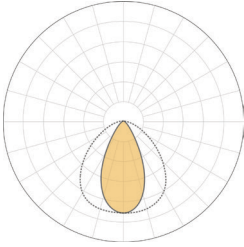
LM/FT	W/FT	LM/W
350	2.7	129.6
500	3.9	128.2
750	5.8	130
1000	7.7	129.9

DBW60: Batwing 60°



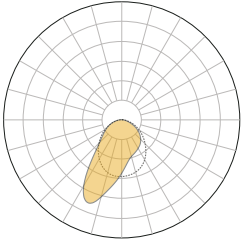
LM/FT	W/FT	LM/W
350	2.4	145.8
500	3.4	147.1
750	5.1	149
1000	6.8	147.1

DM50: Medium 50°



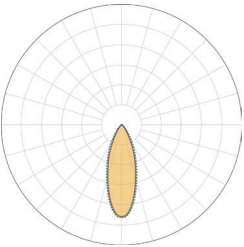
LM/FT	W/FT	LM/W
350	2.4	145.8
500	3.4	147.1
750	5.1	149
1000	6.8	147.1

DA5525: Asymmetric 55° at 25° Tilt



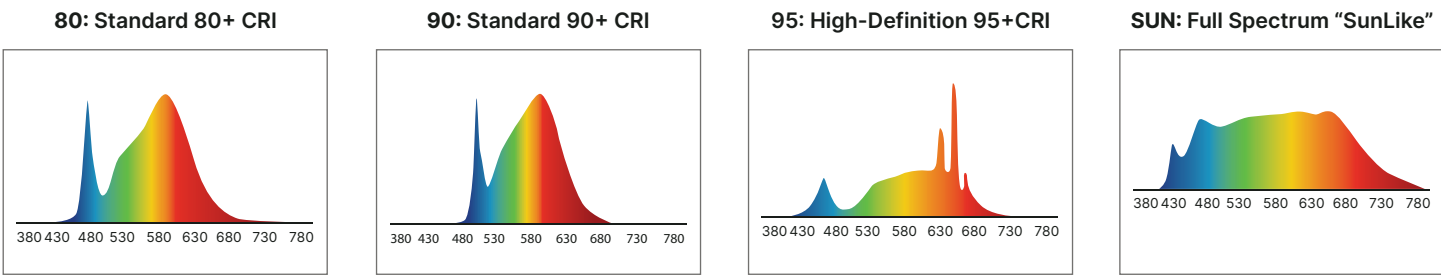
LM/FT	W/FT	LM/W
350	2.4	145.8
500	3.4	147.1
750	5.1	149
1000	6.8	147.1

DS45: Micro Cavity Optics Spot 45°



LM/FT	W/FT	LM/W
350	2.7	129.6
500	3.9	128.2
750	5.8	130
1000	7.7	129.9

LED OPTIONS



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 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 project's 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

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

Ingredients:

Aluminum, Glass, oxide, chemicals, Polymethyl methacrylate, Phenol, 4,4'-O-methylhydroquinone, polymer with 2,2'-(3,3'-methylthiobis(4,4'-oxydiphenylene))bis(methylene)bis(potassium), 1,3-benzenedicarboxylic acid, 1,3-dimethyl imide, polymer with 1,4-dimethyl (4-benzenedicarboxylic acid) and 1,2-ethanediol, Polyethylene Glycol, Polyethylene Terephthalate, Barium sulfate, Hexamethylenediamine, Phosphoric acid, phosphoric acid, diphenyl ether, iron, titanium and silicones, di-phenyl, metallic, gold, tungsten, 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.

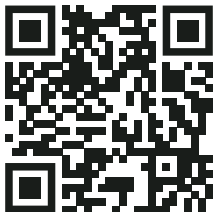


Red List Free

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

