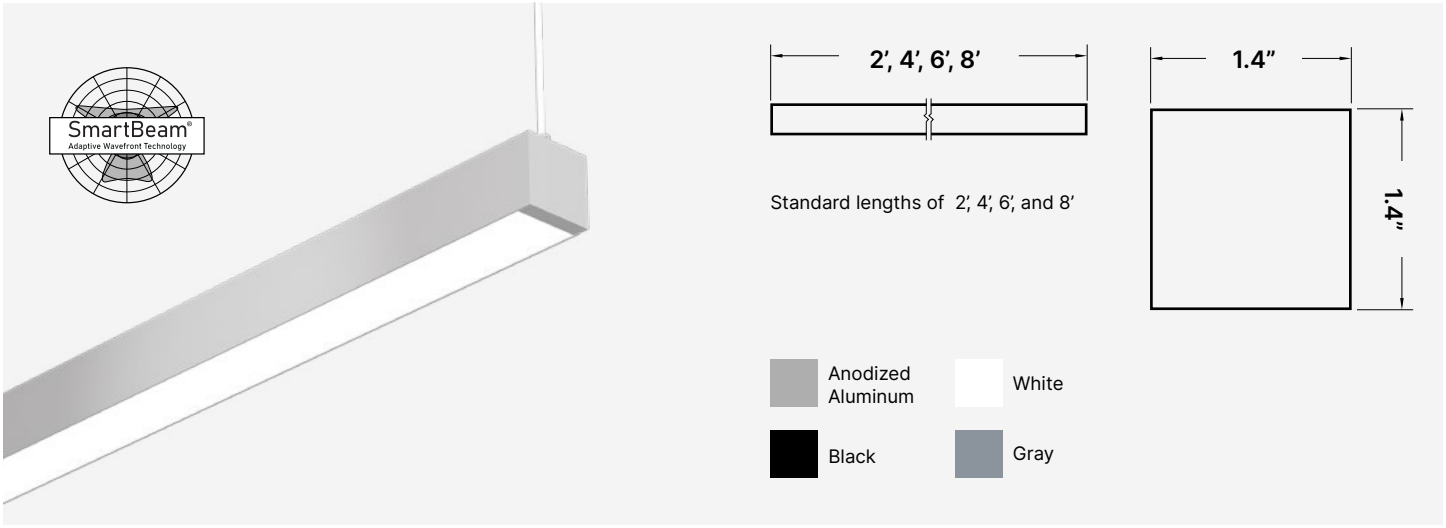
MICROSquare

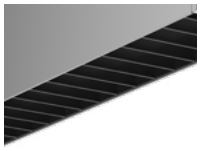
1.4” Square Linear

Direct+Indirect



FLUSH

REGRESSED



BAFFLES

MCO

DESIGNED, ENGINEERED, AND MANUFACTURED IN USA

Design

MICROSquare 1.4 is a 1.4” square linear, bringing SmartBeam® capabilities to a scale designed to compliment architectural space. MICROSquare features a remote driver to remove visual bulk.

Features

- High efficacy combined 150lm/W
- Square profile: 1.4” (35mm) x 1.4” (35mm)
- SpekLED® & SmartOptics® inside
- 80+/90+ CRI, 2700K-4000K specifications
- Dimming down to 0.1%
- UL listed, CSA 22.2 compliant
- RoHS compliance and lead free
- 5 Year, 50,000 hour standard warranty

Lumens and Power

80+ CRI, 3500K

INDIRECT

Lumens/ft	350	500	750	1000
Watts/ft	2.1	3.0	4.7	6.4
Lumens/W	168	167	162	158

DIRECT

Lumens/ft	350	500	750	1000
Watts/ft	2.3	3.2	4.8	6.5
Lumens/W	153	155	156	156

MICROSquare Pendant

XICO®

Ordering Information - Standard

PROJECT

MSQ140-P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12

A — B — C

A

1 LENGTH		2 CCT		3 CRI		4 FINISH COLOR	
2	2’	**27**	2700K	**80**	80CRI+	**AL**	Clear Anodized
4	4’	**30**	3000K	**90**	90CRI+	**WT**	White
6	6’	**35**	3500K			**BK**	Black
8	8’	**40**	4000K			**GY**	Gray
		SL1	SunLike			**RAL_**	RAL #
		SBIOS	Static Bios				
		DBIOS	Dynamic Bios				
		TW2	Tuneable White 2CH				

B

5 DIRECT BEAM		6 DIRECT OUTPUT		7 INDIRECT BEAM		8 INDIRECT OUTPUT	
DW115	Wide 115°	**35**	350lm/ft	**IC120**	Cosine 120°	**35**	350lm/ft
DM40	Medium 40°	**50**	500lm/ft	**IC150**	Cosine 150°	**50**	500lm/ft
DM70	Medium 70°	**75**	750lm/ft	**ICW4060**	Ceiling Wash 40° at 60° Tilt	**75**	750lm/ft
DB60	Batwing 60°	**100**	1000lm/ft			**100**	1000lm/ft
DRW100	Regressed Wide 100°						
DRB60	Regressed Batwing 60°						
DG3010	Graze 30°, 10° Tilt						
DA3015	Asymmetric 30°, 15° Tilt						

C

9 MOUNTING HARDWARE		10 VOLTAGE		11 EMERGENCY		12 DRIVER	
S48WT	48” Power Cable Kit White	**UNV**	120/277V	**0**	None	**FD01**	1% Dim (0-10V)
S96WT	96” Power Cable Kit White			**EM**	Emergency Driver	**FD10**	10% Dim (0-10V)
S48BK	48” Power Cable Kit Black					**LDE1**	Lutron Hi-Lume 1% Dim
S96BK	96” Power Cable Kit Black					**LDE5**	Lutron 5 Series 5% Dim
						ELD1	EldoLED 0.1% Dim
						NA	Not included

NOTES

MICROSquare Pendant

Beam Distributions

Light plays a key role in the designed space. Whether the goal is to define spatial borders, emphasize architectural details or deliver functional task lighting, SmartBeam® technology packs a variety of beam options into every XICO® product.

SmartBeam® is a family of adaptive wavefront technologies, developed with the single purpose to deliver the ultimate controlled specification-grade lighting distribution and colors to your fingertips.

INDIRECT

Cosine®

Ceiling Wash

DIRECT

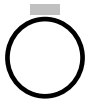
Batwing

Double Asymmetric

Micro Cavity Optics

Medium

Asymmetric



Wide

Graze Wall Wash

Narrow

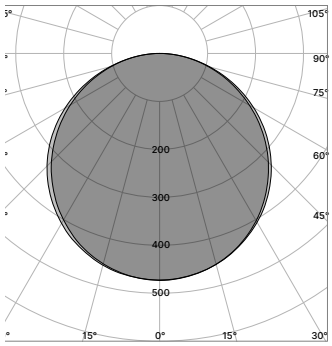
	Office	Lobby	Aisleway	Wall Wash	Grazer	Cove	Warehouse
Batwing	•	•					•
Wide	•	•					•
Medium	•	•					•
Asymmetric	•	•		•		•	
Double Asymmetric	•		•				•
Narrow	•	•			•	•	•
Grazer/Spot	•	•			•	•	

Benefits
Low-glare even distribution, ideal for most applications
Provides excellent coverage for general lighting installations
Delivers Uniform fc distribution without pixelation
Ideal for perimeter lighting
Exceeds DLC Aisleway Compliance
High CBCP for long throw applications
Uniform coverage meeting tight min:max ratio

MICROSquare Pendant

Photometrics

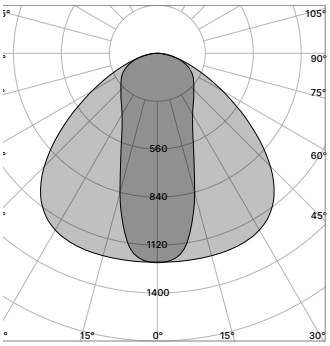
Tested at 3500K, 80+ CRI



Direct Wide 115°

Lumens	Lumens/ft	Watts	Watts/ft	Efficacy LPW
1419	355	15.6	3.9	91
1980	495	22.7	5.7	87
2981	745	35.8	9.0	83
3980	995	51.8	13.0	76

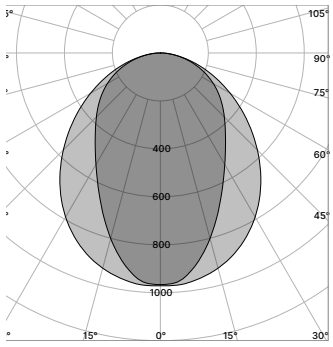
MSQ140-4FT-3580-WT-DW115, tested at 3500K, 80+ CRI



Direct Medium 40°

Lumens	Lumens/ft	Watts	Watts/ft	Efficacy LPW
1408	352	9.1	2.3	154
1996	499	13.3	3.3	150
3017	754	20.0	5.0	151
3990	998	25.4	6.4	157

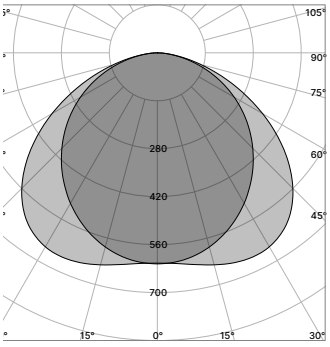
MSQ140-4FT-4080-WT-DM40, tested at 4000K, 80+ CRI



Direct Medium 70°

Lumens	Lumens/ft	Watts	Watts/ft	Efficacy LPW
1381	345	9.5	2.4	146
2020	505	13.7	3.4	147
3006	752	20.2	5.0	149
3999	1000	25.6	6.4	157

MSQ140-4FT-4080-WT-DM70, tested at 4000K, 80+ CRI



Direct Batwing 60°

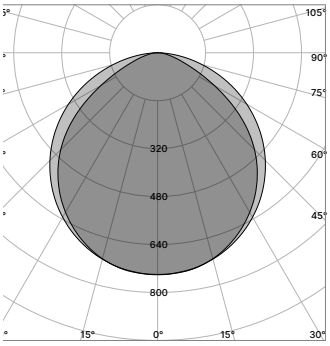
Lumens	Lumens/ft	Watts	Watts/ft	Efficacy LPW
1453	363	9.9	2.5	146
2027	507	14.1	3.5	143
3031	758	21.5	5.4	141
4000	1000	29.1	7.3	137

MSQ140-4FT-3580-AL-DB60, tested at 3500K, 80+ CRI

MICROSquare Pendant

Photometrics

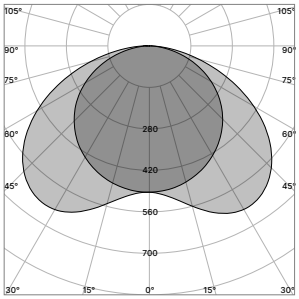
Tested at 3500K, 80+ CRI



Direct Regressed Wide 100°

Lumens	Lumens/ft	Watts	Watts/ft	Efficacy LPW
1433	358	10.3	2.6	139
1984	496	14.5	3.6	137
3057	764	23.1	5.8	133
4042	1011	30.7	7.7	132

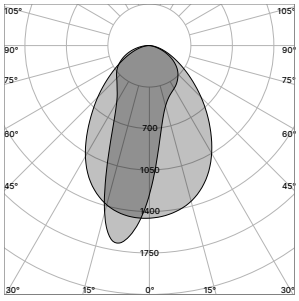
MSQ140-4FT-3580-AL-DRW100, tested at 3500K, 80+ CRI



Direct Regressed Batwing 60°

Lumens	Lumens/ft	Watts	Watts/ft	Efficacy LPW
1380	345	9.5	2.4	145
2013	503	14.1	3.5	143
3069	767	22.3	5.6	138
4029	1007	29.5	7.4	137

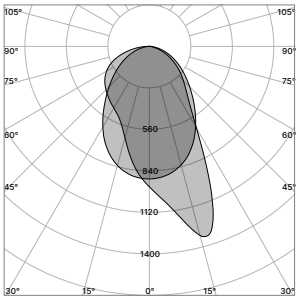
MSQ140-4FT-3580-WT-DRB60, tested at 3500K, 80+ CRI



Direct Graze 30° at 10°

Lumens	Lumens/ft	Watts	Watts/ft	Efficacy LPW
1374	344	9.9	2.5	1338
2017	504	14.9	3.7	135
3015	754	23.1	5.8	130
3973	993	30.7	7.7	129

MSQ140-4FT-3580-AL-DG3010, tested at 3500K, 80+ CRI



Direct Asymmetric 30° at 15°

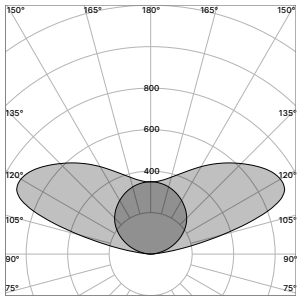
Lumens	Lumens/ft	Watts	Watts/ft	Efficacy LPW
1415	354	10.3	2.6	137
1963	491	14.5	3.6	135
3027	757	23.1	5.8	131
3985	996	30.8	7.7	129

MSQ140-4FT-3580-AL-DA3015, tested at 3500K, 80+ CRI

MICROSquare Pendant

Photometrics

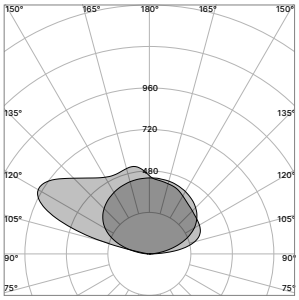
Tested at 3500K, 80+ CRI



Indirect Cosine 120°

Lumens	Lumens/ft	Watts	Watts/ft	Efficacy LPW
1376	344	8.2	2.1	169
2008	502	12.0	3.0	167
3030	758	18.7	4.7	162
4036	1009	25.6	6.4	158

MSQ140-4FT-3580-WT-IC120, tested at 3500K, 80+ CRI



Indirect Ceiling Wash 40° at 60°

Lumens	Lumens/ft	Watts	Watts/ft	Efficacy LPW
1390	348	9.1	2.3	152
1998	500	13.4	3.4	150
3020	755	20.7	5.2	146
3964	991	27.8	7.0	143

MSQ140-4FT-3580-AL-ICW4060, tested at 3500K, 80+ CRI

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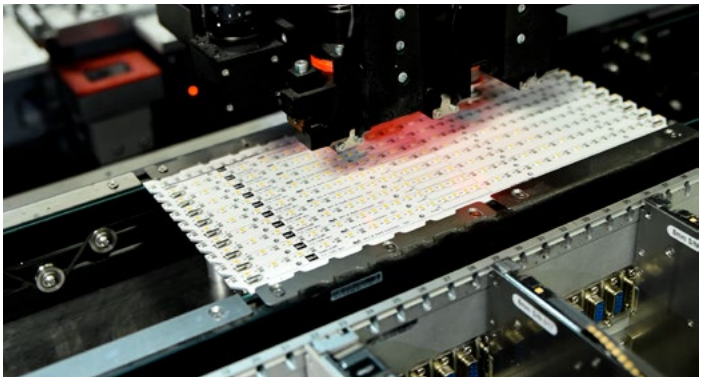
MICROSquare Pendant

ColorTune™ Technology

Lighting products with ColorTune™ technology in combination with XICO® LED engines deliver color control, producing superior color rendering and wavelength conversion.

ColorTune™ products utilize a unique collection of micron scale optical elements to diffuse, shape, reflect and manipulate light and colors in a broad range of LED optical systems.

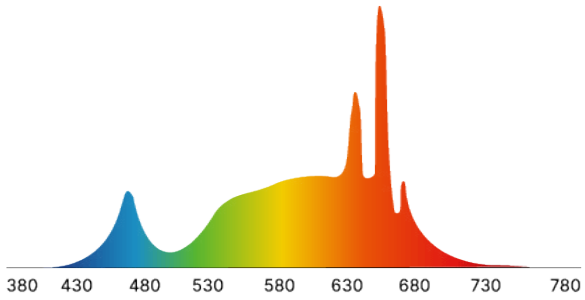


Fusion Optix® manufacturing LED engines in Woburn, MA

90+ CRI Standard

Advancements in LED efficiency, combined with SmartBeam high efficacy optical systems, enables 90+ CRI as standard across all XICO products without compromises.

CCT	CIE Ra	TM-30 Rf	TM-30 Rg
3500K	94	90	103

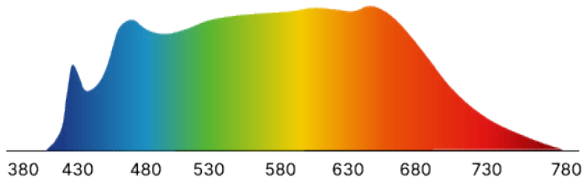


XICO Standard 90+ CRI LED

Full Spectrum, Tunable Control

XICO's in-house LED engine design and assembly allows for custom offerings in every category. Full Spectrum, Dim-to-warm, Tunable-White, RGBW, and application specific custom configurations.

DIM TO WARM · TUNABLE WHITE · RGBW

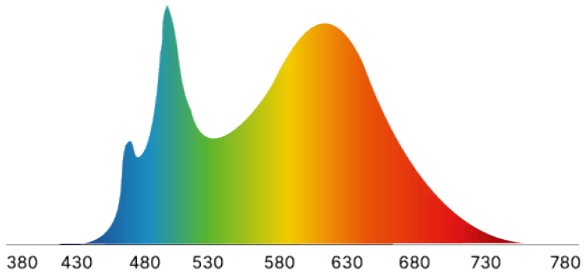


Full Spectrum "SunLike" LED

Human-Centric Lighting

Unique LED technologies, in conjunction with fixture and optical system design, deliver biological and psychological stimulus. Energizing light during the day and sleep-supporting light in the evening.

bios ILLUMINATED



BIOS Circadian Lighting LED

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Drivers & Electrical

Remote, dimmable drivers are supplied in enclosures. Compatible with a wide range of dimmable drivers, control systems, and virtually all PoE systems.

Emergency Back-Up

An integral emergency driver may be wired to 4ft sections. Other drivers are also available (not all integral; consult factory). Emergency circuits for use with building generators are also available.

Finishes

All luminaires are available in clear anodized aluminum, white powder coat, or black powder coat. Any RAL color may be specified.

Optics

FlatLens® extruded acrylic optic provides excellent diffusion, high transmission, and no LED imaging. Acrylic optics are fully recyclable at end of life.

Construction

Extruded, recycled aluminum housing. Clear anodized and powder-coated extrusions are fully recyclable at end of life.

Joined Runs

Runs of any length may be specified and are composed of multiple, factory-engineered, joined sections.

Sustainability

Every XICO product features SmartBeam® Technology, energy efficient LED solutions, high efficacy optical systems, considered material choices, and thoughtful supply chain management.

Declare & Red List Free

Micro Series Declare Listing

Technology and Manufacturing

XICO fixtures are engineered and manufactured in our Massachusetts factory with Fusion Optix® Inside. As LED engine and Optical system specialists XICO offers adjustment and customization to output, beam distribution, and color to meet the needs of your project.

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