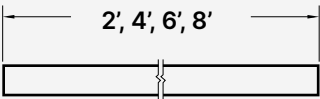
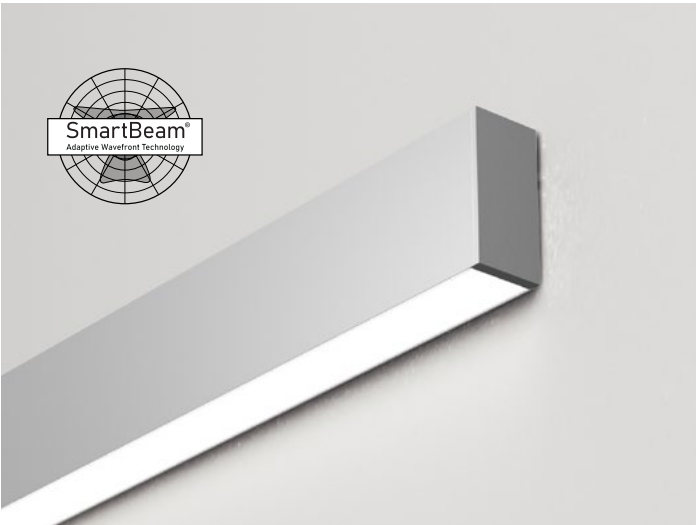


# MICROBeam Wall

MBE140-W

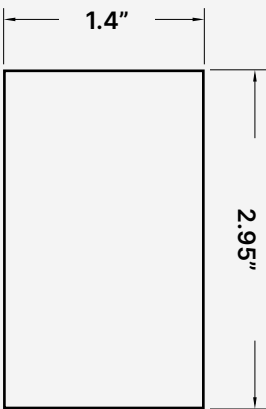
1.4" Beam Linear

Direct+Indirect



Standard lengths of 2', 4', 6', and 8'  
Available in continuous runs based  
on 6" increments.

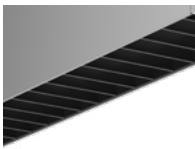
- Anodized Aluminum
- Black
- White



FLUSH



REGRESSED



BAFFLES



MCO



DESIGNED, ENGINEERED, AND  
MANUFACTURED IN USA

## Design

MICROBeam is a 1.4" x 2.95" beam linear, bringing SmartBeam® capabilities to powerful size designed to compliment architectural space. MICROBeam features an integral driver and field serviceable design.

## Features

- High efficacy combined 150lm/W
- Beam profile: 1.4" (35.6mm) x 2.95" (75mm)
- 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



Declare.



## MICROBeam Wall

MBE140-W

## Ordering Information

PROJECT



A

1		2		3		4	
LENGTH		CCT		CRI		FINISH COLOR	
2	2'	27	2700K	80	80CRI+	AL	Clear Anodized
4	4'	30	3000K	90	90CRI+	WT	White
6	6'	35	3500K	95	95CRI+	BK	Black
8	8'	40	4000K			RAL_	RAL #
C_	Custom lengths in 6" increments	SL1	SunLike				
		SBIOS	Static Bios				
		DBIOS	Dynamic Bios				
		TW2	Tuneable White 2CH				
		RGB	Red, Green, Blue				
		RGBW	Red, Green, Blue, White				

B

5		6		7		8	
DIRECT BEAM		DIRECT OUTPUT		INDIRECT BEAM		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						
DC_	Custom (Add Note)						

C

9		10		11		12	
MOUNTING		VOLTAGE		EMERGENCY		ONBOARD DRIVER	
WM	Wall Mount Kit	UNV	120/277V	0	None	FD01	1% Dim (0-10V)
C_	Custom (Add Note)	120	120V	EM	Emergency Driver	FD10	10% Dim (0-10V)
		277	277V			LDE1	Lutron Hi-Lume 1% Dim
		347	347V			LDE5	Lutron 5 Series 5% Dim
						ELD1	EldoLED 0.1% Dim
						NA	Not included
						C_	Custom (Add Note)

MBE140-W

1	2	3	4	5	6	7	8	9	10	11	12
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A

B

C

## NOTES

# MICROBeam Pendant

MBE140-W

## 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



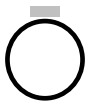
Micro Cavity Optics



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

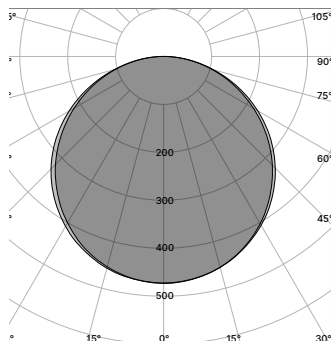
- Low-glare even distribution, ideal for most applications
- Provides excellent coverage for general lighting installations
- Delivers Uniform fc distribution without pixelation
- Ideal for perimeter lighting
- Exceeds DLC Aisleway Compliance
- High CBCP for long throw applications
- Uniform coverage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

# MICROBeam Pendant

# MBE140-W

## Photometrics

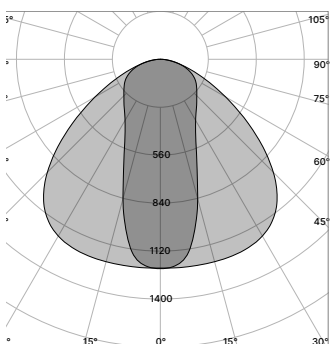
Tested at 3500K, 80+ CRI



### 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

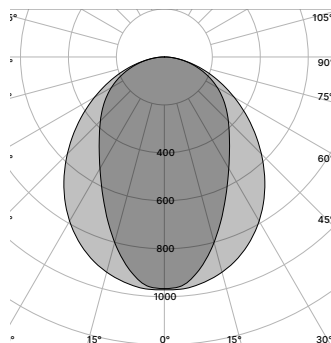
MBE140-4FT-3580-WT-DW115, tested at 3500K, 80+ CRI



### 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

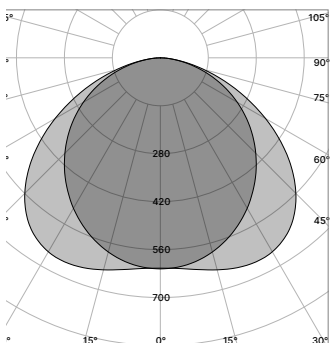
MBE140-4FT-4080-WT-DM40, tested at 4000K, 80+ CRI



### 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

MBE140-4FT-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

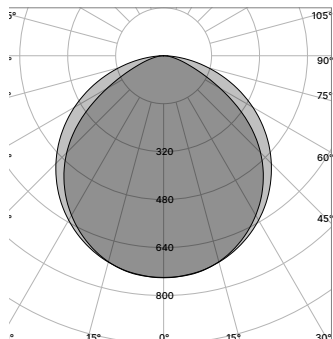
MBE140-4FT-3580-AL-DB60, tested at 3500K, 80+ CRI

# MICROBeam Pendant

# MBE140-W

## Photometrics

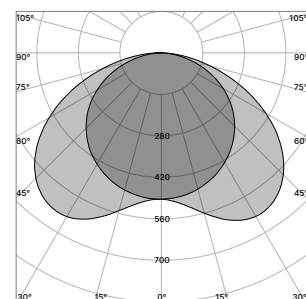
Tested at 3500K, 80+ CRI



### 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

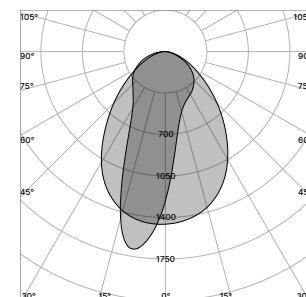
MBE140-4FT-3580-AL-DRW100, tested at 3500K, 80+ CRI



### 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

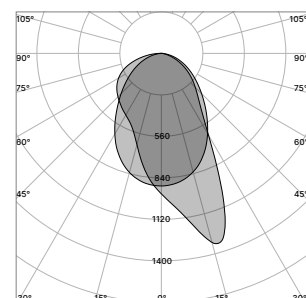
MBE140-4FT-3580-WT-DRB60, tested at 3500K, 80+ CRI



### 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

MBE140-4FT-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

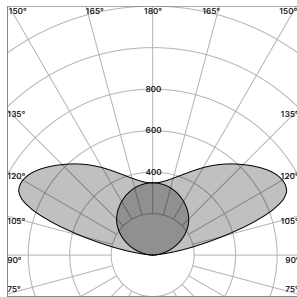
MBE140-4FT-3580-AL-DA3015, tested at 3500K, 80+ CRI

MICROBeam Pendant

MBE140-W

Photometrics

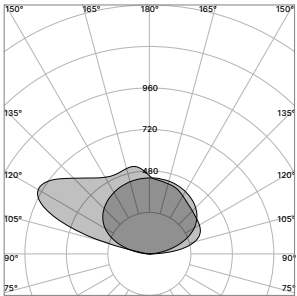
Tested at 3500K, 80+ CRI



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

MBE140-4FT-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

MBE140-4FT-3580-AL-ICW4060, tested at 3500K, 80+ CRI

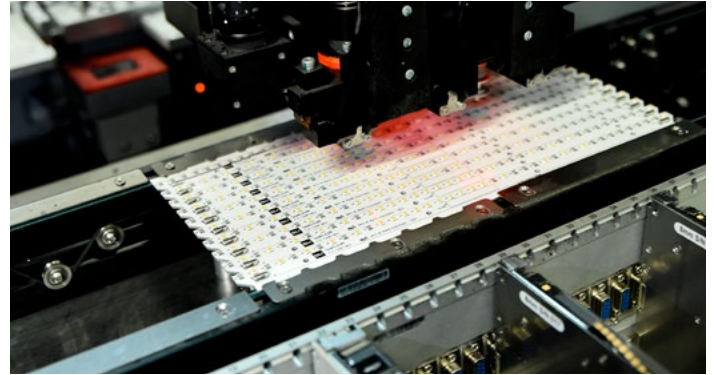
# MICROBeam Pendant

MBE140-W

## 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.

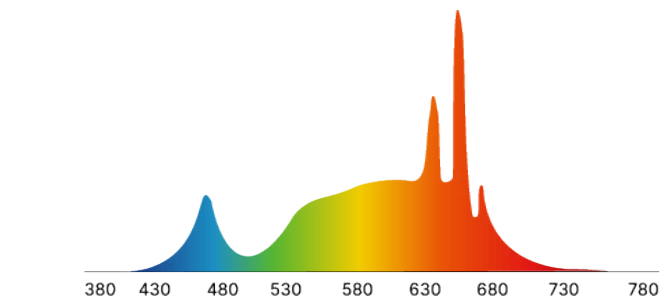


Fusion Optix® manufacturing LED engines in Woburn, MA

## 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.

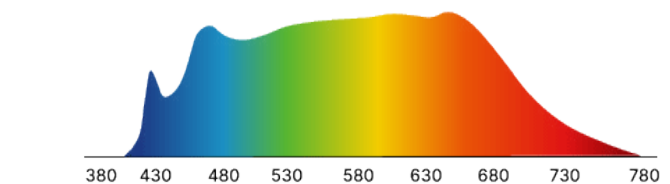
CCT	CIE Ra	TM-30 Rf	TM-30 Rg
3500K	94	90	103



XICO Standard 90+ CRI LED

## Full Spectrum, Tunable Control

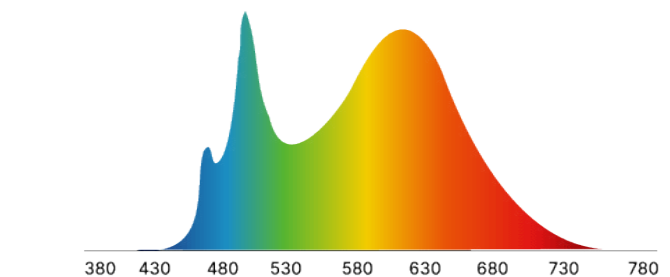
XICO's in-house LED engine design and assembly allows for custom offerings in every category. Full Spectrum, Dim-to-warm, Tunable-White, RGBW, and application specific custom configurations.



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 Circadian Lighting LED

# MICROBeam Pendant

MBE140-W

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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.