

L109

INTERIOR

Linear | For coves, wall slots, shelves & cabinets

- Dry location



Ordering Information

Clear Form

Date : _____

Quantity : _____

Project : _____

Note : _____

Type : _____

Specifications

Luminaire | Example Code: L109-A-X-W30H-W-P-MA

Product	Version	Fixture Length ¹	CCT & CRI ²	Beam Angle	Lens	Finish ³
L109				W		
	A 2W/ft B 6W/ft	X custom	W22S 2200K 80+ W27H 2700K 90+ W30H 3000K 90+ W35H 3500K 90+ W41H 4100K 90+	W wide flood 120°	F frosted P prismatic	Aluminum Finishes: MA matte clear anodized BA black anodized BZ bronze

System Components (Ordered Separately)

Remote Driver : _____

Control System : _____

On/Off | Dimming ELV or 0-10 dimming
Other options (consult factory) TRIAC/MLV, DMX, DALI, Casambi, PoE

Important Notes

Specification

1. **Minimum:** 1' (305mm) **Maximum:** 8' (2438mm), 3" (76mm) increments.
2. Refer to pg.02 - Electrical for Colour Consistency details.
3. Different finish options are only applicable to LED rail. Refer to Appendix or MP Lighting website for complete look of luminaire with different finish options.

Warranty Notes & Disclaimer

Malfunction and damage to product due to incompatible dimming system or misuse will not be covered under warranty. Consult MP Lighting for recommended drivers. If the fixture has an option to be installed with a dimming control system, consult a dimming system manufacturer with minimum load before installing. MP Lighting reserves the right, at its sole discretion, at any time and without notice, to make design changes to any of our products. Consult MP Lighting website for most updated documentation.

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Performance

Wattage	Forward Current	Power Consumption Budget per fixture (including driver)	LED output (Source)	Fixture Output (Delivered)
2W/ft	84mA	2.5W/ft	220 lm/ft	90-152 lm/ft
6W/ft	250mA	7W/ft	660 lm/ft	271-456 lm/ft

Application

Environment	Dry Location approved. IP 50.
Mounting	Surface-mounted/Recessed: Mounts directly to surface or recessed mount with friction fit spring clips. Comes with 3'(914mm) wire lead

Electrical

LED Light Source	Colour Consistency: 3-step MacAdam
Power Supplies	Remote LED drivers (120-277V AC input, constant voltage output): Fixtures to be wired in parallel. Recommended (consult factory): TLDAV100W24V04iB or TLDAV100W24V05iB
Control	Dimming: ELV or 0-10V dimming with appropriate drivers Other options (consult factory): TRIAC/MLV, DMX, DALI, Casambi, Power over Ethernet

Luminaire Construction

Weight	0.20 lbs per ft (0.09 kg per ft). Typical Aluminum Fixture.
Material	Fixture: extruded marine-grade aluminum with polycarbonate lens
Supplied with	Standard installation housing: Comes with friction fit spring clips Cable: 3' (914mm) factory-installed wire lead
Warranty & LED Life	5 years limited warranty Estimated useful life of LED is 50,000 hours.

Ordered Separately

System Components	Power supplies: remote driver Please consult factory or visit Recommended Drivers for available driver options.
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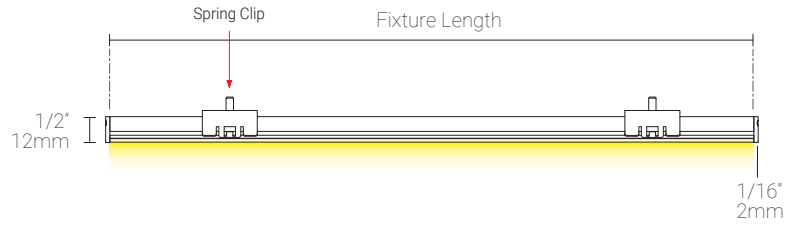
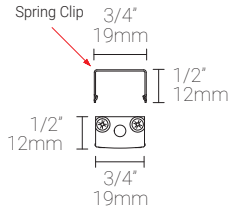
Mounting Options & Dimensions

LED Fixture Dimensions

Fixture

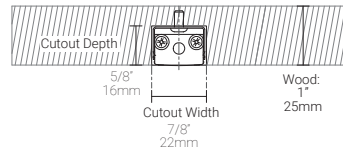
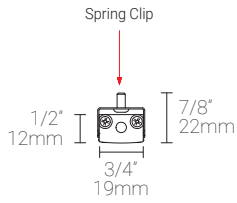
Side View

3D View



Recessed Installation with Friction fit spring clip

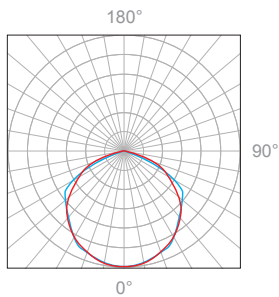
Fixture with spring clips



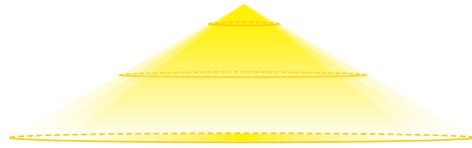
2W, 1' (305mm), 3000K, 90+ CRI

Frosted Lens

Polar Candela Distribution



Beam Width: 120°



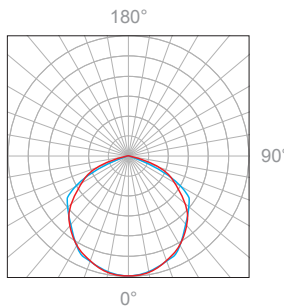
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	8.53fc	10.6ft	3.23m	9.5ft	2.89m
6.0ft	1.83m	2.16fc	21.3ft	6.50m	19.1ft	5.82m
9.0ft	2.74m	1.04fc	31.9ft	9.72m	28.6ft	8.72m
12.0ft	3.66m	0.63fc	42.5ft	12.95m	38.2ft	11.64m
15.0ft	4.57m	0.43fc	53.2ft	16.21m	47.7ft	14.54m
18.0ft	5.49m	0.3fc	63.8ft	19.45m	57.3ft	17.47m

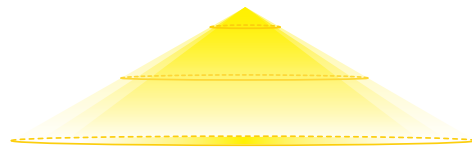
Delivered Lumen: 90.5lm
 ■ Vertical Beam Spread : 117°
 ■ Horizontal Beam Spread : 88.2°

Prismatic Lens

Polar Candela Distribution



Beam Width: 120°



Illuminance at a Distance

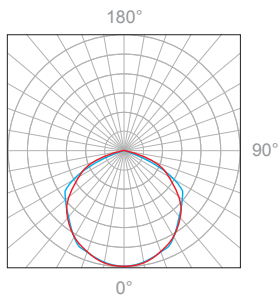
Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	12.96fc	10.3ft	3.14m	9.6ft	2.93m
6.0ft	1.83m	3.46fc	20.7ft	6.31m	19.2ft	5.85m
9.0ft	2.74m	1.41fc	31ft	9.45m	28.8ft	8.78m
12.0ft	3.66m	0.92fc	41.4ft	12.62m	38.4ft	11.70m
15.0ft	4.57m	0.62fc	51.7ft	15.76m	48ft	14.63m
18.0ft	5.49m	0.44fc	62ft	18.90m	57.6ft	17.56m

Delivered Lumen: 152.2lm
 ■ Vertical Beam Spread : 111.7°
 ■ Horizontal Beam Spread : 87.6°

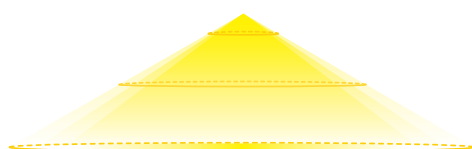
6W, 1' (305mm), 3000K, 90+ CRI

Frosted Lens

Polar Candela Distribution



Beam Width: 120°



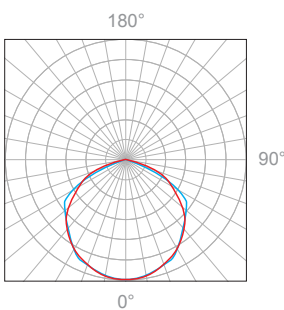
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	22.68fc	10.6ft	3.23m	9.5ft	2.89m
6.0ft	1.83m	6.05fc	21.3ft	6.50m	19.1ft	5.82m
9.0ft	2.74m	2.70fc	31.9ft	9.72m	28.6ft	8.72m
12.0ft	3.66m	1.62fc	42.5ft	12.95m	38.2ft	11.64m
15.0ft	4.57m	1.08fc	53.2ft	16.21m	47.7ft	14.54m
18.0ft	5.49m	0.86fc	63.8ft	19.45m	57.3ft	17.47m

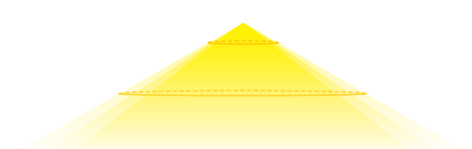
Delivered Lumen: 271.6lm
 ■ Vertical Beam Spread : 117°
 ■ Horizontal Beam Spread : 88.2°

Prismatic Lens

Polar Candela Distribution



Beam Width: 120°



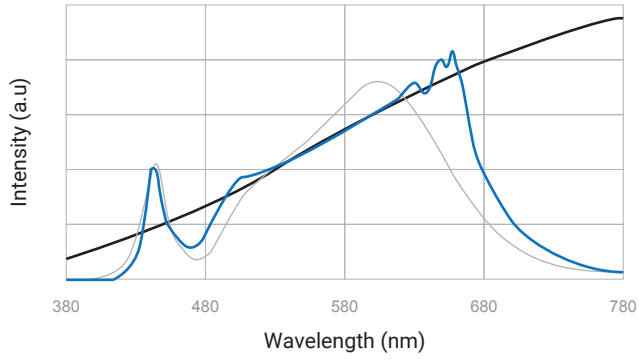
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	34.56fc	10.3ft	3.14m	9.6ft	2.93m
6.0ft	1.83m	9.29fc	20.7ft	6.31m	19.2ft	5.85m
9.0ft	2.74m	4.21fc	31ft	9.45m	28.8ft	8.78m
12.0ft	3.66m	2.48fc	41.4ft	12.62m	38.4ft	11.70m
15.0ft	4.57m	1.73fc	51.7ft	15.76m	48ft	14.63m
18.0ft	5.49m	1.30fc	62ft	18.90m	57.6ft	17.56m

Delivered Lumen: 456.5lm
 ■ Vertical Beam Spread : 111.7°
 ■ Horizontal Beam Spread : 87.6°

Full Spectrum

— Full Spectrum — Standard Illuminant @ 3000K — Ra≥80



Appendix

Aluminum Finishes



MA matte clear anodized



BA black anodized



BZ bronze anodized