

L107

INTERIOR

Linear | For coves, wall slots, shelves & cabinets

● Dry location



Ordering Information

Clear Form

Date : _____

Quantity : _____

Project : _____

Note : _____

Type : _____

Specifications

Luminaire | Example Code: L107-A-NA-X-W30H-W-P-MA

Product	Version	Switch Option	Fixture Length ¹	CCT & CRI	Beam Angle	Lens	Finish ³
L107					W		
	7 7W/ft 10 10W/ft	NA none TS touch switch OS occupancy sensor	X custom	W22S 2200K 80+ W27H 2700K 90+ W30H 3000K 90+ W35H 3500K 90+ W41H 4100K 90+ CT colour tuning (2700K-6500K) ²	W wide flood 120°	F frosted P prismatic	Aluminum Finishes: MA matte clear anodized BA black anodized BZ bronze powder coated

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. Colour Tuning only available in 10W.
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)
7W/ft	300mA	8W/ft	770 lm/ft	352-434 lm/ft
10W/ft	420mA	11.5W/ft	1100 lm/ft	496-637 lm/ft

Application

Environment	Dry Location approved. IP 52.
Mounting	Surface-mounted/Recessed: Mounts directly to surface or recessed mount with friction fit spring clip. 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	On/off control: Touch Switch or Occupancy Sensor Dimming: ELV or 0-10V dimming with appropriate drivers SC Power model: output 5-96W 24VDC, compatible with forward Triac dimmers, dim to 1% with Lutron Skylark incandescent dimmer, 4-6% with Lutron MLV dimmers (recommend to load up to 60W due to low PF and efficiency.) Other options (consult factory): TRIAC/MLV, DMX, DALI, Casambi, Power over Ethernet

Luminaire Construction

Weight	0.56 lbs per ft (0.25 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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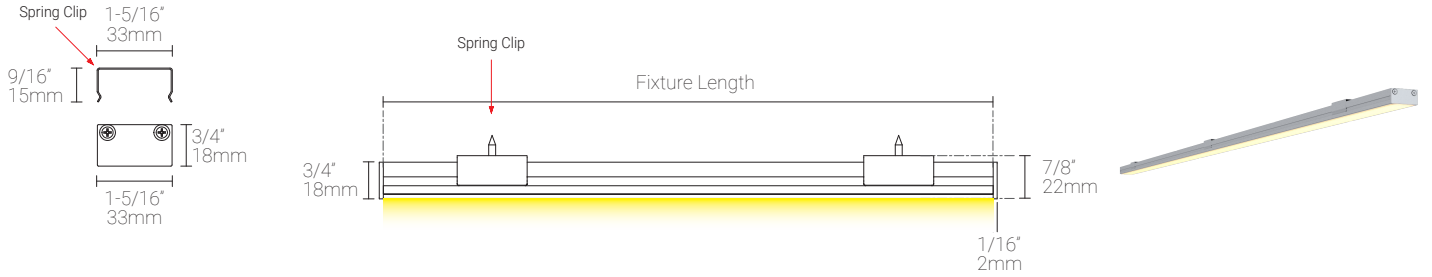
Mounting Options & Dimensions

LED Fixture Dimensions

Fixture

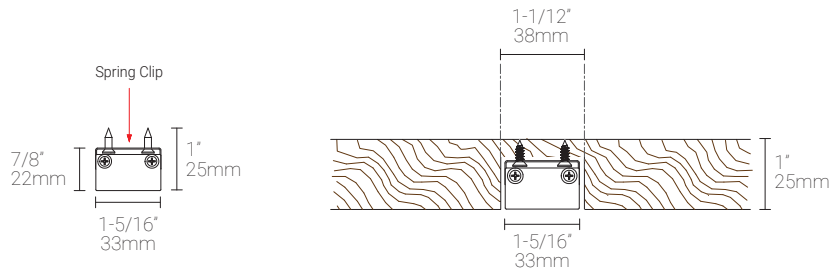
Side View

3D View



Recessed Installation (shown with wood)

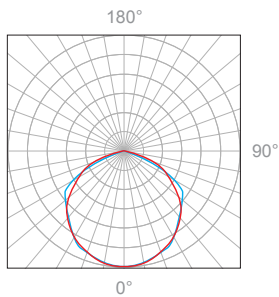
Fixture with spring clips



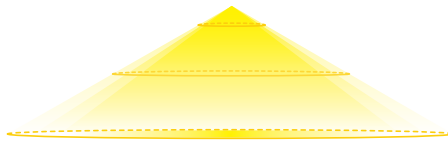
7W, 1' (305mm), 3000K, 90+ CRI

Frosted Lens

Polar Candela Distribution



Beam Width: 120°



Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	27.2fc	8.9ft	2.71m	8.4ft	2.56m
6.0ft	1.83m	6.79fc	17.9ft	5.45m	16.8ft	5.12m
9.0ft	2.74m	3.02fc	26.8ft	8.16m	25.2ft	7.68m
12.0ft	3.66m	1.70fc	35.7ft	10.88m	33.6ft	10.24m
15.0ft	4.57m	1.09fc	44.6ft	13.59m	42.0ft	12.80m
18.0ft	5.49m	0.75fc	53.6ft	16.33m	50.4ft	15.36m

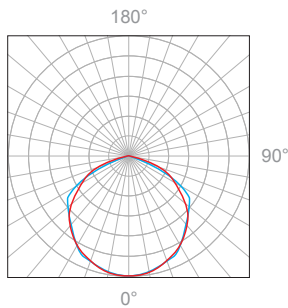
Delivered Lumen: 697.4 lm

■ Vertical Beam Spread : 112.2°

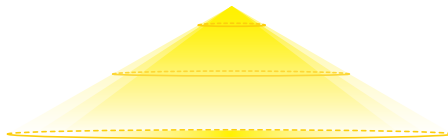
■ Horizontal Beam Spread : 108.9°

Prismatic Lens

Polar Candela Distribution



Beam Width: 120°



Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	41.6fc	6.9ft	2.10m	5.6ft	1.70m
6.0ft	1.83m	10.4fc	13.8ft	4.20m	11.1ft	3.38m
9.0ft	2.74m	4.62fc	20.6ft	6.27m	16.7ft	5.09m
12.0ft	3.66m	2.60fc	27.5ft	8.38m	22.2ft	6.76m
15.0ft	4.57m	1.66fc	34.4ft	10.48m	27.8ft	8.47m
18.0ft	5.49m	1.16fc	41.3ft	12.58m	33.4ft	10.18m

Delivered Lumen: 810.6 lm

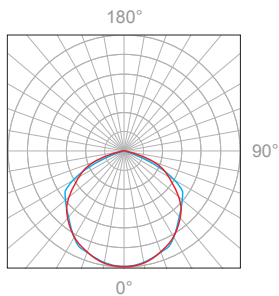
■ Vertical Beam Spread : 97.8°

■ Horizontal Beam Spread : 85.7°

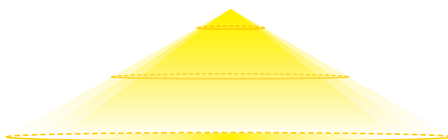
10W, 1' (305mm), 3000K, 90+ CRI

Frosted Lens

Polar Candela Distribution



Beam Width: 120°



Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	38.4fc	8.9ft	2.71m	8.4ft	2.56m
6.0ft	1.83m	9.60fc	17.9ft	5.45m	16.7ft	5.09m
9.0ft	2.74m	4.27fc	26.8ft	8.16m	25.1ft	7.65m
12.0ft	3.66m	2.40fc	35.7ft	10.88m	33.5ft	10.21m
15.0ft	4.57m	1.54fc	44.7ft	13.62m	41.8ft	12.71m
18.0ft	5.49m	1.07fc	53.6ft	16.33m	50.2ft	15.30m

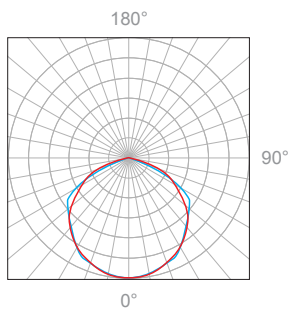
Delivered Lumen: 985.4 lm

■ Vertical Beam Spread : 112.2°

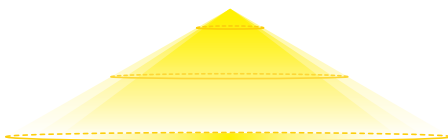
■ Horizontal Beam Spread : 108.7°

Prismatic Lens

Polar Candela Distribution



Beam Width: 120°



Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	58.1fc	6.9ft	2.10m	5.5ft	1.67m
6.0ft	1.83m	14.5fc	13.8ft	4.20m	11.1ft	3.38m
9.0ft	2.74m	6.45fc	20.6ft	6.27m	16.6ft	5.06m
12.0ft	3.66m	3.63fc	27.5ft	8.38m	22.2ft	6.76m
15.0ft	4.57m	2.32fc	34.4ft	10.48m	27.7ft	8.44m
18.0ft	5.49m	1.61fc	41.3ft	12.58m	33.3ft	10.15m

Delivered Lumen: 1132.1 lm

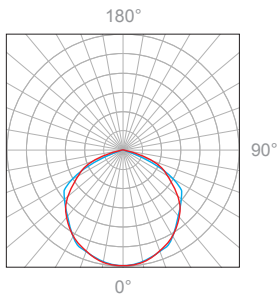
■ Vertical Beam Spread : 97.8°

■ Horizontal Beam Spread : 85.5°

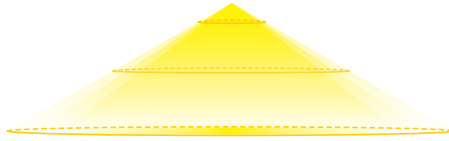
10W, 1' (305mm), Frosted Lens, 2700K/6500K, 90+ CRI | Colour Tuning

2700K

Polar Candela Distribution



Beam Width: 120°



Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	13.8fc	8.9ft	2.71m	8.4ft	2.56m
6.0ft	1.83m	3.44fc	17.8ft	5.42m	16.7ft	5.09m
9.0ft	2.74m	1.53fc	26.6ft	8.10m	25.1ft	7.65m
12.0ft	3.66m	0.86fc	35.5ft	10.82m	33.4ft	10.18m
15.0ft	4.57m	0.55fc	44.4ft	13.53m	41.8ft	12.74m
18.0ft	5.49m	0.38fc	53.3ft	16.24m	50.1ft	15.27m

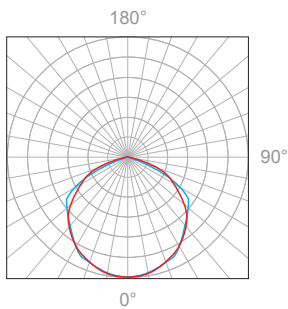
Delivered Lumen: 350.4 lm

Vertical Beam Spread : 111.9°

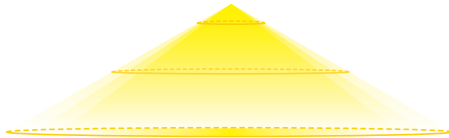
Horizontal Beam Spread : 108.6°

6500K

Polar Candela Distribution



Beam Width: 120°



Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	14.3fc	8.9ft	2.71m	8.4ft	2.56m
6.0ft	1.83m	3.57fc	17.9ft	5.45m	16.8ft	5.12m
9.0ft	2.74m	1.59fc	26.8ft	8.16m	25.2ft	7.68m
12.0ft	3.66m	0.89fc	35.8ft	10.91m	33.6ft	10.24m
15.0ft	4.57m	0.57fc	44.7ft	13.62m	42.0ft	12.80m
18.0ft	5.49m	0.40fc	53.7ft	16.36m	50.4ft	15.36m

Delivered Lumen: 366.5 lm

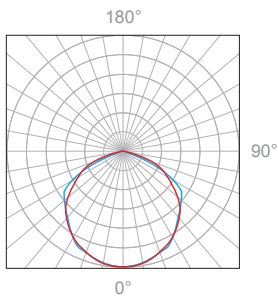
Vertical Beam Spread : 112.3°

Horizontal Beam Spread : 109.0°

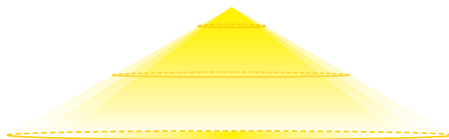
10W, 1' (305mm), Prismatic Lens, 2700K/6500K, 90+ CRI | Colour Tuning

2700K

Polar Candela Distribution



Beam Width: 120°



Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	21.1fc	6.4ft	1.95m	5.6ft	1.70m
6.0ft	1.83m	5.27fc	12.9ft	3.93m	11.2ft	3.41m
9.0ft	2.74m	2.34fc	19.3ft	5.88m	16.8ft	5.12m
12.0ft	3.66m	1.32fc	25.7ft	7.83m	22.4ft	6.82m
15.0ft	4.57m	0.84fc	32.2ft	9.81m	28.0ft	8.53m
18.0ft	5.49m	0.59fc	38.6ft	11.76m	33.6ft	10.24m

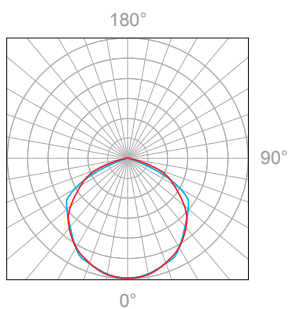
Delivered Lumen: 416.1 lm

Vertical Beam Spread : 94.0°

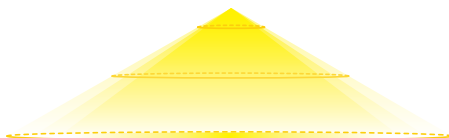
Horizontal Beam Spread : 86.0°

6500K

Polar Candela Distribution



Beam Width: 120°



Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	22.2fc	6.7ft	2.04m	5.6ft	1.70m
6.0ft	1.83m	5.54fc	13.4ft	4.08m	11.1ft	3.38m
9.0ft	2.74m	2.46fc	20.1ft	6.12m	16.7ft	5.09m
12.0ft	3.66m	1.38fc	26.8ft	8.16m	22.3ft	6.79m
15.0ft	4.57m	0.89fc	33.5ft	10.21m	27.8ft	8.47m
18.0ft	5.49m	0.62fc	40.2ft	12.25m	33.4ft	10.18m

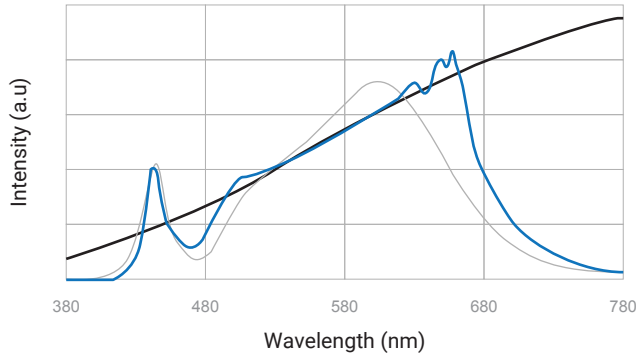
Delivered Lumen: 435.7 lm

Vertical Beam Spread : 96.3°

Horizontal Beam Spread : 85.7°

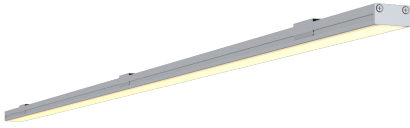
Full Spectrum

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



Appendix

Aluminum Finishes



MA matte clear anodized



BA black anodized



BZ bronze powder coated