[MP LIGHTING]

L612

INTERIOR

Surface Mount Downlight

- Dry location





Ordering Information

Clear Form

Date : _____

Quantity : _____

Project : _____

Note : _____

Type : _____

Specifications

Luminaire | Example Code: L612-13-W30V-N-S-MA

Product	Wattage	CCT & CRI	Beam Angle	Reflector Colour	Finish [1]
L612					
	8 8W **13** 13W	**8W:** **W27H** 2700K 90+ **W30H** 3000K 90+ **13W:** **W27H** 2700K 90+ **W30H** 3000K 90+ **W35H** 3500K 90+ **W27V** 2700K 97+ **W30V** 3000K 97+	**S** spot 12° **N** narrow flood 30° **F** flood 60°	**S** silver specular **B** black specular	**Aluminum Finishes:** **MA** matte clear anodized **BA** black anodized **Architectural Finishes:** **WO** white oak **TK** teak **WN** walnut **ML** maple **CO** concrete

System Components (Ordered Separately)

Remote Driver : _____

* Consult MP Lighting Website or Factory.

Important Notes

Specification

1. *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)
8W	700mA	8W	880 lm	323-334 lm
13W	350mA	13W	1430 lm	919-922 lm

Application

Environment	Dry Location approved. IP 20.
Mounting	Mounts to a 4" octagonal box using the provided adapter plate. **Cut-out size**: Ø 3". During installation, the octagonal boxes must be set back with adapter plates installed before the electrical box openings on drywall are either (1) cut to exact hole size, or (2) finished with drywall compound for any oversized holes.

Electrical

Electrical	Remote LED drivers (120-277V AC input, **constant current output**): Fixtures to be wired in series for 8W only. Remote LED drivers (120-277V AC input, **constant voltage output**): Fixtures to be wired in parallel for 8W only. One driver per 13W fixture.
Control	**On/off control** **Dimming:** ELV or 0-10V dimming with appropriate drivers **Other options (consult factory):** TRIAC/MLV, DMX, DALI, Casambi, Power over Ethernet

Luminaire Construction

LED Light Source	**W27H =** CCT: 2700K, CRI (Ra): 90+, Colour Consistency: 2SDCM **W30H =** CCT: 3000K, CRI (Ra): 90+, Colour Consistency: 2SDCM **W35H =** CCT: 3500K, CRI (Ra): 90+, Colour Consistency: 2SDCM **W27V =** CCT: 2700K, CRI (Ra): 97+, Colour Consistency: 2SDCM **W30V =** CCT: 3000K, CRI (Ra): 97+, Colour Consistency: 2SDCM
Weight	N/A
Material	**Fixture:** machined marine-grade aluminum
Supplied with	**Standard installation housing:** Comes with an adapter plate, two #8-32 screws, and wire nuts.
Warranty & LED Life	5 years limited warranty Estimated useful life of LED is 50,000 hours.

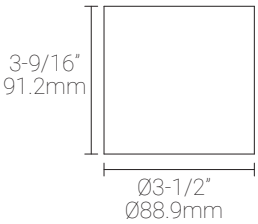
Ordered Separately

System Components	**Power supplies:** remote driver Please consult factory or visit Recommended Drivers for available driver options.

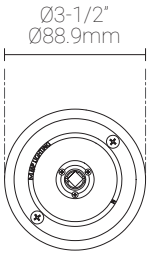
Mounting Options & Dimensions

LED Fixture Dimensions

Fixture



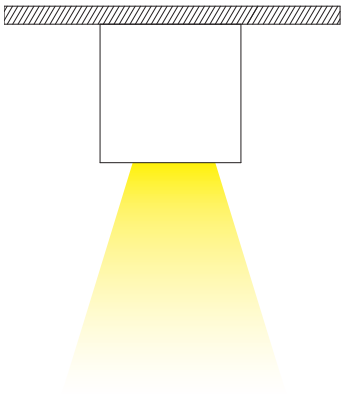
Bottom View



3D View



Beam



Appendix

Aluminum Finishes



MA matte clear anodized



BA black anodized

Architectural Finishes



WO white oak



TK teak



WN walnut



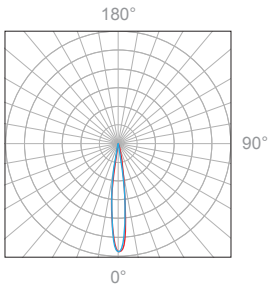
ML maple



CO concrete

8W, 3000K, 90+ CRI, Silver Reflector

Polar Candela Distribution



Beam Width: 12°

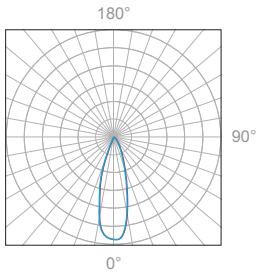


Illuminance at a Distance

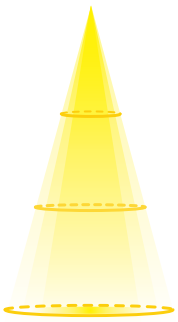
Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	1185fc	0.8ft	0.24m	0.8ft	0.24m
6.0ft	1.83m	267fc	1.6ft	0.49m	1.6ft	0.49m
9.0ft	2.74m	115fc	2.3ft	0.70m	2.3ft	0.70m
12.0ft	3.66m	63fc	3.1ft	0.94m	3.1ft	0.94m
15.0ft	4.57m	41fc	3.9ft	1.19m	3.9ft	1.19m
18.0ft	5.49m	28fc	4.7ft	1.43m	4.7ft	1.43m

Delivered Lumen: 323 lm
Vertical Beam Spread: 14.8°
Horizontal Beam Spread: 14.8°

Polar Candela Distribution



Beam Width: 30°

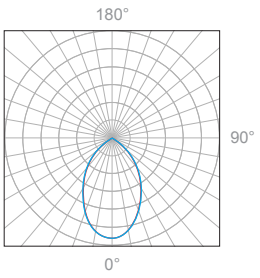


Illuminance at a Distance

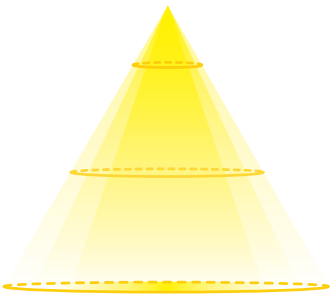
Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	206fc	1.7ft	0.52m	1.6ft	0.59m
6.0ft	1.83m	50fc	3.3ft	1.01m	3.3ft	1.01m
9.0ft	2.74m	22fc	5.0ft	1.52m	4.9ft	1.49m
12.0ft	3.66m	12fc	6.6ft	2.01m	6.6ft	2.01m
15.0ft	4.57m	8fc	8.3ft	2.53m	8.2ft	2.50m
18.0ft	5.49m	5.7fc	9.9ft	3.02m	9.8ft	2.99m

Delivered Lumen: 334 lm
Vertical Beam Spread: 30.8°
Horizontal Beam Spread: 29.9°

Polar Candela Distribution



Beam Width: 60°



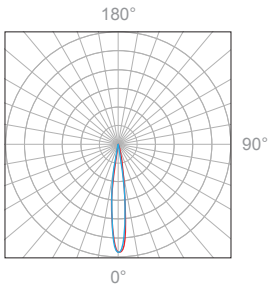
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	50.8fc	3.5ft	1.07m	3.4ft	1.36m
6.0ft	1.83m	12.7fc	6.9ft	2.10m	6.9ft	2.10m
9.0ft	2.74m	5.64fc	10.4ft	3.17m	10.3ft	3.14m
12.0ft	3.66m	3.17fc	13.8ft	4.21m	13.8ft	4.21m
15.0ft	4.57m	2.03fc	17.3ft	5.27m	17.2ft	5.24m
18.0ft	5.49m	1.41fc	20.7ft	6.31m	20.6ft	6.28m

Delivered Lumen: 292 lm
Vertical Beam Spread: 59.9°
Horizontal Beam Spread: 59.7°

13W, 3000K, 90+ CRI, Silver Reflector

Polar Candela Distribution



Beam Width: 12°

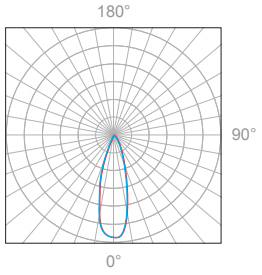


Illuminance at a Distance

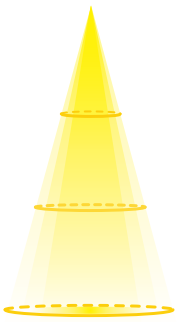
Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	1240fc	0.9ft	0.27m	1.0ft	0.30m
6.0ft	1.83m	306fc	1.8ft	0.55m	1.9ft	0.58m
9.0ft	2.74m	134fc	2.7ft	0.82m	2.9ft	0.88m
12.0ft	3.66m	76fc	3.6ft	1.10m	3.8ft	1.16m
15.0ft	4.57m	49fc	4.5ft	1.37m	4.8ft	1.46m
18.0ft	5.49m	33fc	5.4ft	1.65m	5.7ft	1.74m

Delivered Lumen: 922 lm
Vertical Beam Spread: 17.1°
Horizontal Beam Spread: 18.1°

Polar Candela Distribution



Beam Width: 30°

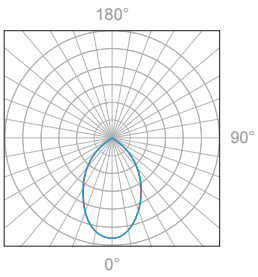


Illuminance at a Distance

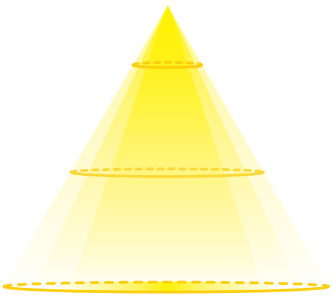
Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	401fc	1.7ft	0.52m	1.7ft	0.52m
6.0ft	1.83m	99fc	3.4ft	1.04m	3.4ft	1.04m
9.0ft	2.74m	43fc	5.1ft	1.55m	5.1ft	1.55m
12.0ft	3.66m	25fc	6.8ft	2.07m	6.8ft	2.07m
15.0ft	4.57m	16fc	8.5ft	2.59m	8.5ft	2.59m
18.0ft	5.49m	11fc	10.2ft	3.11m	10.2ft	3.11m

Delivered Lumen: 919 lm
Vertical Beam Spread: 31.6°
Horizontal Beam Spread: 31.7°

Polar Candela Distribution



Beam Width: 60°



Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	90.7fc	3.5ft	1.07m	3.4ft	1.36m
6.0ft	1.83m	22.7fc	6.9ft	2.10m	6.9ft	2.10m
9.0ft	2.74m	10.1fc	10.4ft	3.17m	10.3ft	3.14m
12.0ft	3.66m	5.67fc	13.8ft	4.21m	13.8ft	4.21m
15.0ft	4.57m	3.63fc	17.3ft	5.27m	17.2ft	5.24m
18.0ft	5.49m	2.52fc	20.7ft	6.31m	20.6ft	6.28m

Delivered Lumen: 920 lm
Vertical Beam Spread: 59.9°
Horizontal Beam Spread: 59.7°