

L600

INTERIOR | EXTERIOR
Surface Mount Downlight

○ Damp and Dry location



Shown with SI (silver finish)



Shown with TK (teak)

Ordering Information

Clear Form

Date : _____

Quantity : _____

Project : _____

Note : _____

Type : _____

Specifications

Luminaire | Example Code: L600-13-W30V-N-G-1-B-BK

Product	Version ¹	CCT & CRI ²	Beam Angle	Reflector Colour	Input Voltage ³	Surface-Mount Box ⁴ (optional)	Finish ⁵
L600	13	<p>High (90+) CRI: W27H 2700K 90+ W30H 3000K 90+ W35H 3500K 90+</p> <p>Very High (97+) CRI: W27V 2700K 97+ W30V 3000K 97+</p> <p>Consult factory: WD (warm dim) 1800K~3000K 95+</p>	<p>S spot 12° N narrow flood 30° F flood 45° W wide flood 60°</p>	<p>S silver specular B black specular BZ bronze specular G gold specular</p>	<p>1 phase dimming (120V) 2 0-10V dimming (120-277V)</p>	<p>B surface-mount box</p>	<p>Aluminum Finishes: BK black powder coated BZ bronze powder coated WH white powder coated MP matte pewter SI silver finish</p> <p>Architectural Finishes: WO white oak TK teak WN walnut ML maple CO concrete</p>

System Components (Ordered Separately)

Remote Driver : _____

* Consult MP Lighting Website or Factory.

Important Notes

Specification

- Available 120V. Consult factory for other voltage options.
- Refer to pg.2 - for light quality and colour consistency details.
- 1: Integral 120V input with phase dimming. 2: Integral 120V-277V input with 0-10V dimming
- Refer to pg.3 - for dimension drawings and installation guide. Surface mount box comes bare (no finishes available) with matte gray plugs. Can be painted on-site to match desired surface.
- 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)
13W	350mA	13W	1430 lm	1189-1206 lm

Application

Environment	Dry Location approved. IP 54 (under soffit or canopy).
Mounting	Mounts to a 4" octagonal box using the provided adapter plate, or mounts with B (optional surface-mount box)

Electrical

Electrical	Integral LED drivers (120-277V AC input, constant current output).
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 WD (warm dim) = CCT: 1800K~3000K, CRI (Ra): 95+
Weight	2lbs (0.907kg).
Material	Fixture: machined marine-grade aluminum.
Supplied with	Standard installation housing: Comes with universal crossbar and mounting screws (2), and/or B (surface-mount box) when ordered.
Warranty & LED Life	5 years limited warranty Estimated useful life of LED is 50,000 hours.

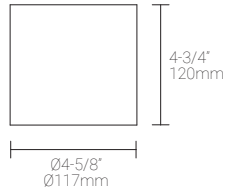
Ordered Separately

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

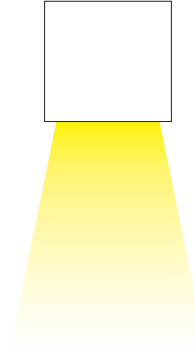
Fixture



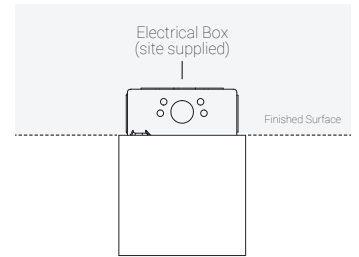
3D View



Beam

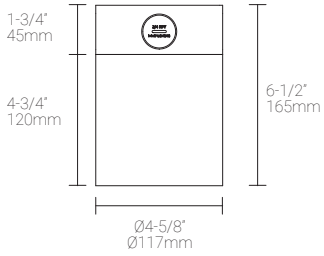


Installed



LED Fixture Dimensions | with B (optional surface-mount box)

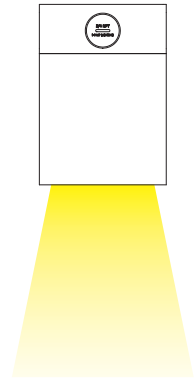
Fixture



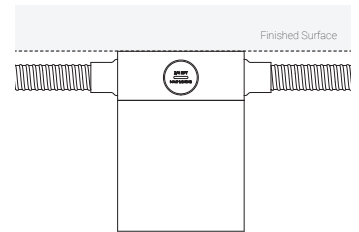
3D View



Beam



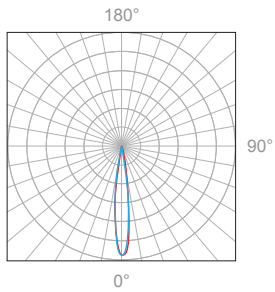
Installed



Surface-mount box
(to be painted on site)

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

Polar Candela Distribution



Beam Width: 12°

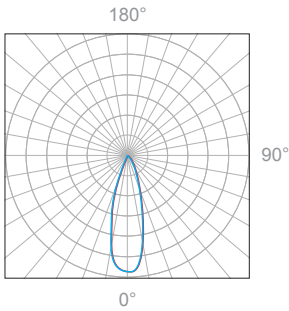


Illuminance at a Distance

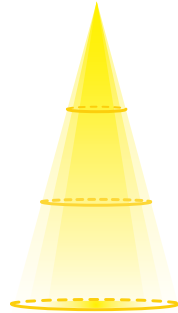
Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	1882fc	0.6ft	0.18m	0.6ft	0.18m
6.0ft	1.83m	471fc	1.2ft	0.36m	1.2ft	0.36m
9.0ft	2.74m	209fc	1.8ft	0.54m	1.8ft	0.54m
12.0ft	3.66m	118fc	2.3ft	0.70m	2.3ft	0.70m
15.0ft	4.57m	75.3fc	2.9ft	0.88m	2.9ft	0.88m
18.0ft	5.49m	52.3fc	3.5ft	1.06m	3.5ft	1.06m

Delivered Lumen: 1205.7 lm
 ■ Vertical Beam Spread: 11.1°
 ■ Horizontal Beam Spread: 11.2°

Polar Candela Distribution



Beam Width: 30°

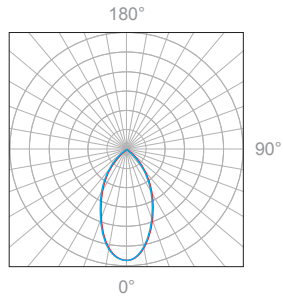


Illuminance at a Distance

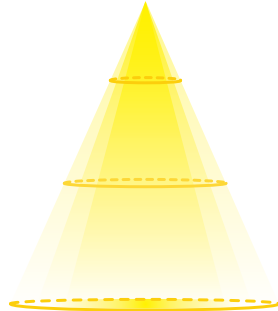
Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	306fc	1.7ft	0.62m	1.7ft	0.62m
6.0ft	1.83m	76.6fc	3.4ft	1.04m	3.3ft	1.01m
9.0ft	2.74m	34.0fc	5.0ft	1.52m	5.0ft	1.52m
12.0ft	3.66m	19.1fc	6.7ft	2.04m	6.6ft	2.01m
15.0ft	4.57m	12.3fc	8.4ft	2.56m	8.3ft	2.53m
18.0ft	5.49m	8.51fc	10.1ft	3.08m	9.9ft	3.02m

Delivered Lumen: 1189.3 lm
 ■ Vertical Beam Spread: 31.2°
 ■ Horizontal Beam Spread: 30.8°

Polar Candela Distribution



Beam Width: 45°

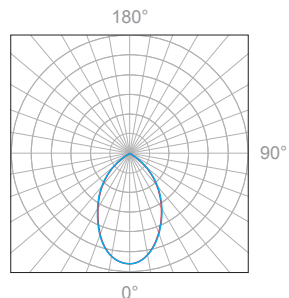


Illuminance at a Distance

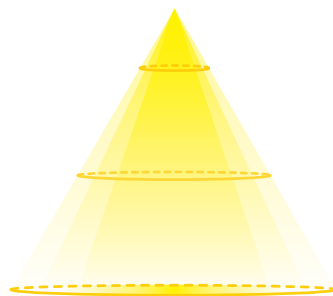
Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	223fc	2.4ft	0.73m	2.4ft	0.73m
6.0ft	1.83m	55.8fc	4.8ft	1.46m	4.7ft	1.43m
9.0ft	2.74m	24.8fc	7.2ft	2.19m	7.1ft	2.16m
12.0ft	3.66m	13.9fc	9.6ft	2.92m	9.5ft	2.89m
15.0ft	4.57m	8.93fc	12.0ft	3.65m	11.9ft	3.62m
18.0ft	5.49m	6.20fc	14.4ft	4.39m	14.2ft	4.32m

Delivered Lumen: 1197.6 lm
 ■ Vertical Beam Spread : 43.7°
 ■ Horizontal Beam Spread : 43.2°

Polar Candela Distribution



Beam Width: 60°

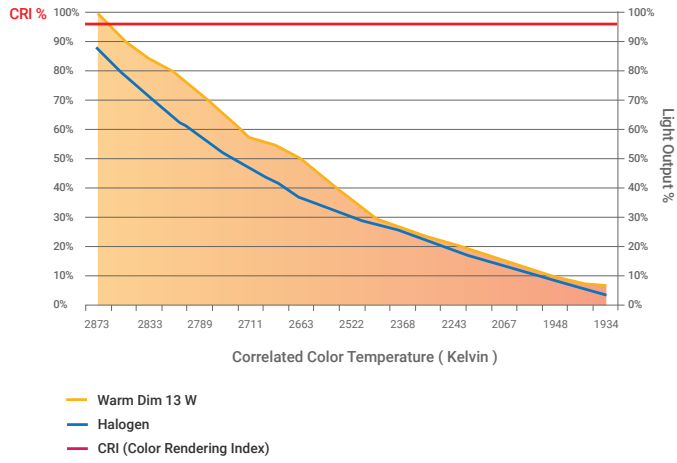


Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	153fc	3.5ft	1.06m	3.4ft	1.03m
6.0ft	1.83m	38.3fc	6.9ft	2.10m	6.8ft	2.07m
9.0ft	2.74m	17.0fc	10.4ft	3.17m	10.2ft	3.11m
12.0ft	3.66m	9.58fc	13.8ft	4.20m	13.6ft	4.14m
15.0ft	4.57m	6.13fc	17.3ft	5.27m	17.0ft	5.18m
18.0ft	5.49m	4.26fc	20.8ft	6.34m	20.5ft	6.24m

Delivered Lumen: 1198.9 lm
 ■ Vertical Beam Spread : 59.9°
 ■ Horizontal Beam Spread : 59.2°

Warm Dimming VS. Halogen



Appendix

Aluminum Finishes



MP matte pewter



BK black powder coated



BZ bronze powder coated



WH white powder coated



SI silver finish

Architectural Finishes



WO white oak



TK teak



WN walnut



ML maple



CO concrete