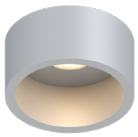
L508

INTERIOR

Surface Mount Downlight

- Dry location





Shown with Spring Clips

Ordering Information

Clear Form

Date : _____

Project : _____

Type : _____

Quantity : _____

Note : _____

Specifications

Luminaire | Example Code: L508-1-W30H-N-BA

Product	Version	CCT & CRI [1]	Beam Angle	Finish [2]
L508				
	1 1W **2** 2W	**Standard (80+) CRI:** **W22S** 2200K 80+ **High (90+) CRI:** **W27H** 2700K 90+ **W30H** 3000K 90+ **W35H** 3500K 90+ **W40H** 4000K 90+	**S** spot 12° **N** narrow flood 30° **F** flood 45°	**Aluminum Finishes:** **MA** matte clear anodized **BA** black anodized

System Components (Ordered Separately)

Remote Driver : _____

* Consult MP Lighting Website or Factory.

Important Notes

Specification

1. *Refer to pg.2 - for light quality and colour consistency details.*
2. *Refer to Appendix or MP Lighting website for complete look of luminaire with different finish options.*

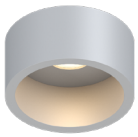
Warranty Notes & Disclaimer

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.

L508

INTERIOR
Surface Mount Downlight

- Dry location





Shown with Spring Clips

Performance

Wattage	Forward Current	Power Consumption Budget per fixture (including driver)	LED output (Source)	Fixture Output (Delivered)
1W	350mA	1.5W	110 lm	85.9-94.8 lm
2W	700mA	3.0W	220 lm	151.7-166.1 lm

Application

Environment	Dry Location approved. IP 40.
Mounting	Recessed mount to cabinet millwork with friction fit spring clip. Comes with 2' (610mm) wire lead. Optimal spacing is 18" - 24"(457mm - 610mm).

Electrical

Electrical	Remote 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

Luminaire Construction

LED Light Source	**W22S =** CCT: 2200K, CRI (Ra): 80+, Colour Consistency: 3SDCM **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 **W40H =** CCT: 4000K, CRI (Ra): 90+, Colour Consistency: 2SDCM
Weight	0.07lbs (0.03kg)
Material	Solid anodized aluminum
Supplied with	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.

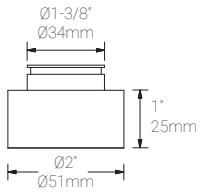
Ordered Separately

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

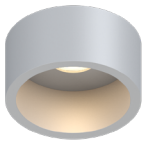
Mounting Options & Dimensions

LED Fixture Dimensions

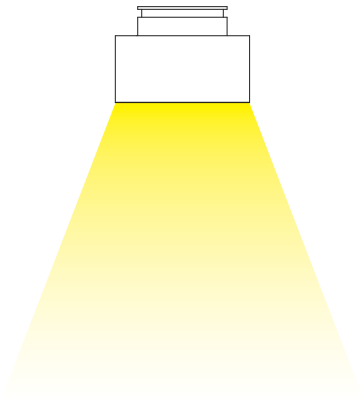
Fixture



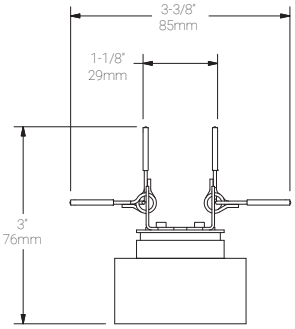
3D View



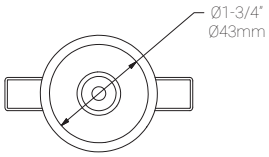
Beam



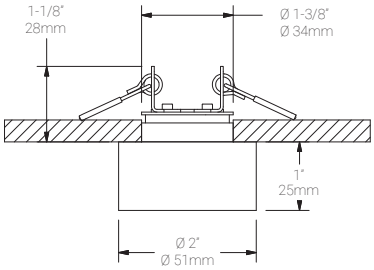
Fixture (shown with spring clips)



Bottom View

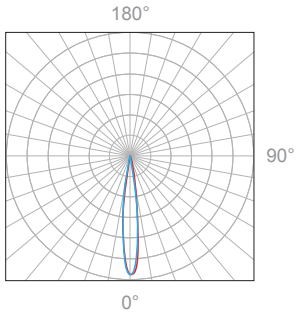


Installed



1W, 3000K, 90+ CRI, Silver Reflector

Polar Candela Distribution



Beam Width: 12°



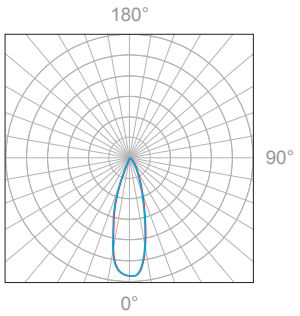
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	60.0fc	1.0ft	0.30m	1.0ft	0.30m
6.0ft	1.83m	15.0fc	2.0ft	0.60m	2.0ft	0.60m
9.0ft	2.74m	6.67fc	2.9ft	0.88m	3.0ft	0.91m
12.0ft	3.66m	3.75fc	3.9ft	1.18m	4.0ft	1.22m
15.0ft	4.57m	2.40fc	4.9ft	1.49m	4.9ft	1.49m
18.0ft	5.49m	1.67fc	5.9ft	1.79m	5.9ft	1.79m

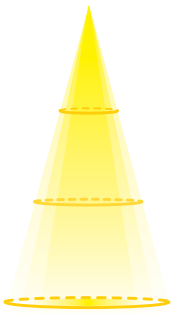
Delivered Lumen: 89.4 lm
Vertical Beam Spread: 18.6°
Horizontal Beam Spread: 18.7°

Tested on 07/14/2025

Polar Candela Distribution



Beam Width: 30°



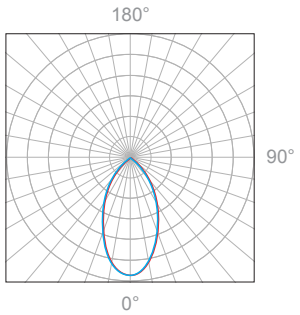
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	42.3fc	1.4ft	0.42m	1.4ft	0.42m
6.0ft	1.83m	10.6fc	2.8ft	0.85m	2.9ft	0.88m
9.0ft	2.74m	4.70fc	4.1ft	1.25m	4.3ft	1.31m
12.0ft	3.66m	2.65fc	5.5ft	1.65m	5.7ft	1.73m
15.0ft	4.57m	1.69fc	6.9ft	2.10m	7.2ft	2.19m
18.0ft	5.49m	1.18fc	8.3ft	2.53m	8.6ft	2.62m

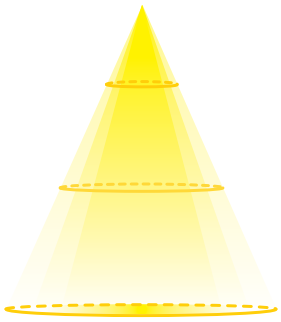
Delivered Lumen: 94.8 lm
Vertical Beam Spread: 25.9°
Horizontal Beam Spread: 26.9°

Tested on 07/14/2025

Polar Candela Distribution



Beam Width: 45°



Illuminance at a Distance

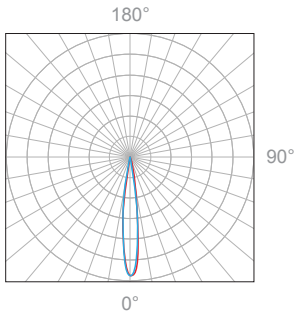
Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	12.7fc	2.8ft	0.85m	2.7ft	0.82m
6.0ft	1.83m	3.17fc	5.5ft	1.67m	5.5ft	1.67m
9.0ft	2.74m	1.41fc	8.3ft	2.53m	8.2ft	2.50m
12.0ft	3.66m	0.79fc	11.0ft	3.35m	11.0ft	3.35m
15.0ft	4.57m	0.51fc	13.8ft	4.20m	13.7ft	4.17m
18.0ft	5.49m	0.35fc	16.5ft	5.03m	16.5ft	5.03m

Delivered Lumen: 85.9 lm
Vertical Beam Spread: 49.3°
Horizontal Beam Spread: 49.1°

Tested on 07/14/2025

2W, 3000K, 90+ CRI, Silver Reflector

Polar Candela Distribution



Beam Width: 12°



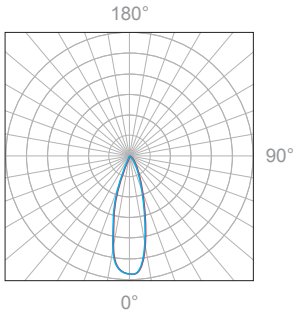
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	107fc	1.0ft	0.30m	1.0ft	0.30m
6.0ft	1.83m	26.8fc	2.0ft	0.60m	2.0ft	0.60m
9.0ft	2.74m	11.9fc	2.9ft	0.88m	2.9ft	0.88m
12.0ft	3.66m	6.71fc	3.9ft	1.18m	3.9ft	1.18m
15.0ft	4.57m	4.29fc	4.9ft	1.49m	4.9ft	1.49m
18.0ft	5.49m	2.98fc	5.9ft	1.79m	5.9ft	1.79m

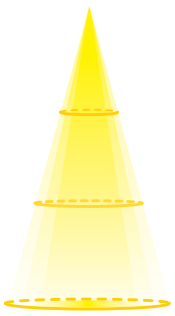
Delivered Lumen: 157.2 lm
Vertical Beam Spread: 18.5°
Horizontal Beam Spread: 18.6°

Tested on 07/14/2025

Polar Candela Distribution



Beam Width: 30°



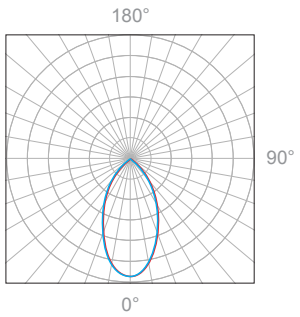
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	75.0fc	1.4ft	0.42m	1.4ft	0.42m
6.0ft	1.83m	18.8fc	2.8ft	0.85m	2.9ft	0.88m
9.0ft	2.74m	8.34fc	4.2ft	1.28m	4.3ft	1.31m
12.0ft	3.66m	4.69fc	5.5ft	1.65m	5.7ft	1.73m
15.0ft	4.57m	3.00fc	6.9ft	2.10m	7.2ft	2.19m
18.0ft	5.49m	2.08fc	8.3ft	2.53m	8.6ft	2.62m

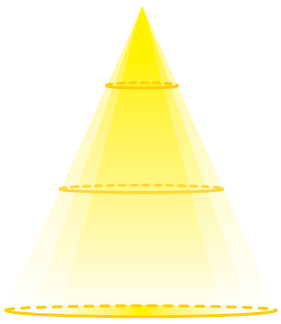
Delivered Lumen: 166.1 lm
Vertical Beam Spread: 26°
Horizontal Beam Spread: 26.9°

Tested on 07/14/2025

Polar Candela Distribution



Beam Width: 45°



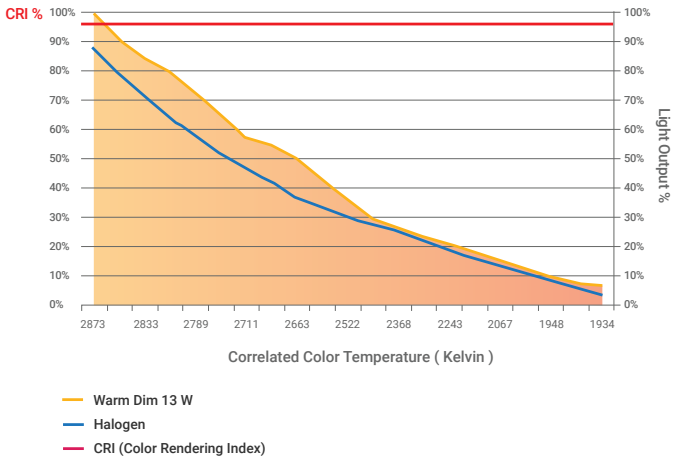
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	22.9fc	2.8ft	0.85m	2.7ft	0.82m
6.0ft	1.83m	5.72fc	5.5ft	1.67m	5.5ft	1.67m
9.0ft	2.74m	2.54fc	8.3ft	2.53m	8.2ft	2.50m
12.0ft	3.66m	1.43fc	11.0ft	3.35m	11.0ft	3.35m
15.0ft	4.57m	0.91fc	13.8ft	4.20m	13.7ft	4.17m
18.0ft	5.49m	0.64fc	16.5ft	5.03m	16.5ft	5.03m

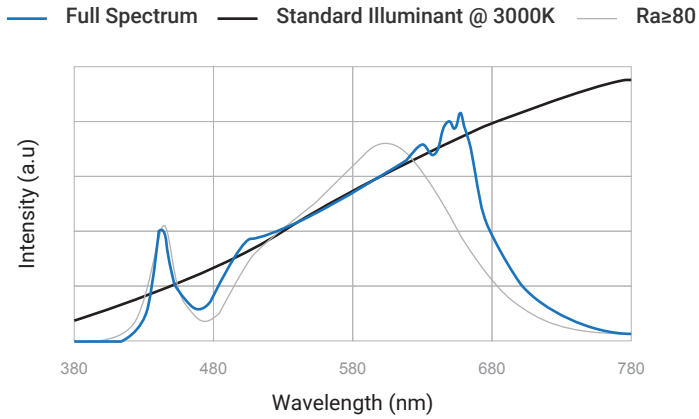
Delivered Lumen: 151.7 lm
Vertical Beam Spread: 49.3°
Horizontal Beam Spread: 49.1°

Tested on 07/14/2025

Warm Dimming VS. Halogen

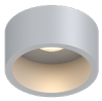


Full Spectrum



Appendix

Aluminum Finishes



MA matte clear anodized



BA black anodized