[MP LIGHTING]

L509

INTERIOR

Surface mount Downlight

- Dry location





Shown with Spring Clip

Ordering Information

Clear Form

Date : _____

Project : _____

Type : _____

Quantity : _____

Note : _____

Specifications

Luminaire | Example Code: L509-2-W30H-N-BA

Product	Wattage [1]	CCT & CRI [2]	Beam Angle	Trim Finish [3]
L509				
	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. *Available 120V. Consult factory for other voltage options.*
2. *Refer to pg.2 - for light quality and colour consistency details.*
3. *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.

L509

INTERIOR

Surface mount Downlight

- Dry location





Shown with Spring Clip

Performance

Wattage	Forward Current	Power Consumption Budget per fixture (including driver)	LED output (Source)	Fixture Output (Delivered)
1W	350mA	1.5W	110 lm	72.3-90.2 lm
2W	700mA	3W	220 lm	126.6-160.6 lm

Application

Environment	Dry Location approved. IP 40.
Mounting	Surface mount mount to cabinet millwork with friction fit spring clips. Comes with 2' (610 mm) wire lead. Cut out size: 2" (610mm)

Electrical

Electrical	Remote LED drivers (120-277V AC input, **constant current output**). Fixtures to be wired in series.
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	N/A
Material	Solid anodized aluminum
Supplied with	Comes with universal crossbar and mounting screws (2).
Warranty & LED Life	5 years limited warranty Estimated useful life of LED is 50,000 hours.

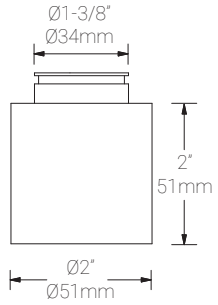
Ordered Separately

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

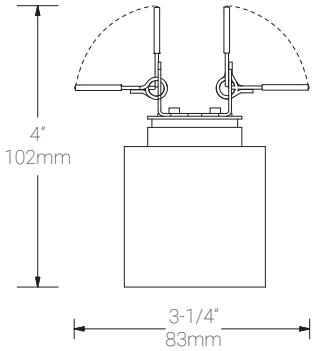
Mounting Options & Dimensions

LED Fixture Dimensions

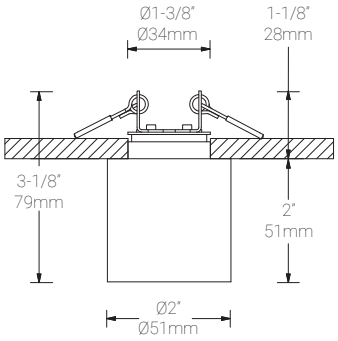
Fixture



Fixture with Spring Clips



Installed



3D View



Appendix

Aluminum Finishes



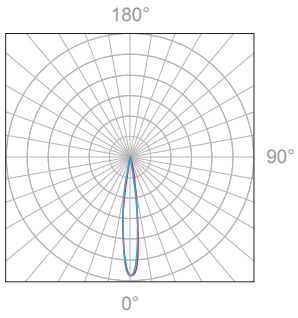
MA matte clear anodized



BA black anodized

1W, 3000K, 90+ CRI

Polar Candela Distribution



Beam Width: 12°



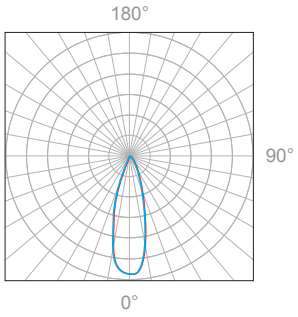
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	51.6fc	1.0ft	0.30m	1.0ft	0.30m
6.0ft	1.83m	12.9fc	2.1ft	0.64m	2.1ft	0.64m
9.0ft	2.74m	5.74fc	3.1ft	0.94m	3.1ft	0.94m
12ft	3.66m	3.23fc	4.2ft	1.28m	4.2ft	1.28m
15ft	4.57m	2.07fc	5.2ft	1.58m	5.2ft	1.58m
18ft	5.49m	1.43fc	6.3ft	1.92m	6.3ft	1.92m

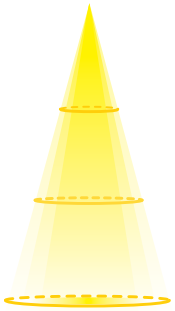
Delivered Lumen: 81.1 lm
Vertical Beam Spread: 19.8°
Horizontal Beam Spread: 19.7°

Tested on 07/14/2025

Polar Candela Distribution



Beam Width: 30°



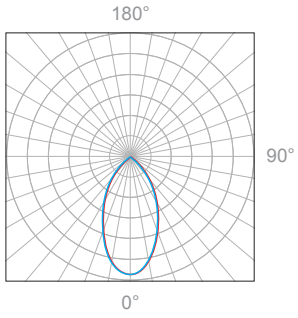
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	40.0fc	1.4ft	0.42m	1.4ft	0.42m
6.0ft	1.83m	10.0fc	2.9ft	0.88m	2.9ft	0.88m
9.0ft	2.74m	4.8fc	4.3ft	1.31m	4.3ft	1.31m
12ft	3.66m	2.7fc	5.7ft	1.73m	5.7ft	1.73m
15ft	4.57m	1.7fc	7.2ft	2.19m	7.1ft	2.16m
18ft	5.49m	1.2fc	8.6ft	2.62m	8.6ft	2.62m

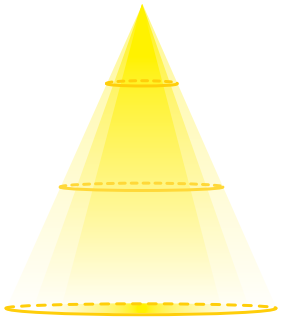
Delivered Lumen: 90.2 lm
Vertical Beam Spread: 26.9°
Horizontal Beam Spread: 26.7°

Tested on 07/14/2025

Polar Candela Distribution



Beam Width: 45°



Illuminance at a Distance

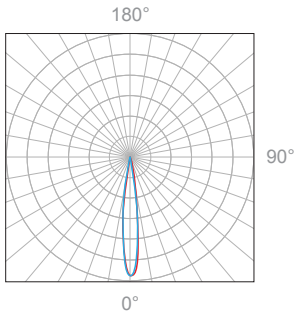
Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	12.9fc	2.3ft	0.70m	2.4ft	0.73m
6.0ft	1.83m	3.22fc	4.5ft	1.37m	4.9ft	1.49m
9.0ft	2.74m	1.43fc	6.8ft	2.07m	7.3ft	2.22m
12ft	3.66m	0.80fc	9.0ft	2.74m	9.8ft	2.98m
15ft	4.57m	0.51fc	11.3ft	3.44m	12.2ft	3.71m
18ft	5.49m	0.36fc	13.5ft	4.11m	14.7ft	4.48m

Delivered Lumen: 72.3 lm
Vertical Beam Spread: 41.1°
Horizontal Beam Spread: 44.3°

Tested on 07/14/2025

2W, 3000K, 90+ CRI

Polar Candela Distribution



Beam Width: 12°



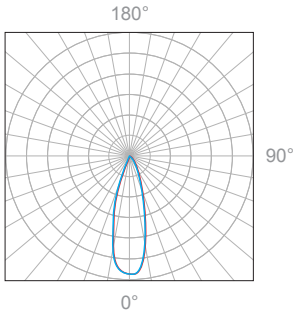
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	91.8fc	1.0ft	0.30m	1.0ft	0.30m
6.0ft	1.83m	23.0fc	2.1ft	0.64m	2.1ft	0.64m
9.0ft	2.74m	10.2fc	3.1ft	0.94m	3.1ft	0.94m
12ft	3.66m	5.74fc	4.2ft	1.28m	4.1ft	1.25m
15ft	4.57m	3.67fc	5.2ft	1.58m	5.2ft	1.58m
18ft	5.49m	2.55fc	6.2ft	1.89m	6.2ft	1.89m

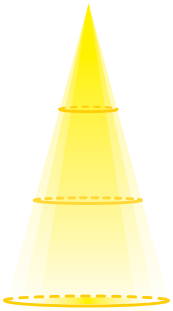
Delivered Lumen: 141.9 lm
Vertical Beam Spread: 19.7°
Horizontal Beam Spread: 19.6°

Tested on 07/14/2025

Polar Candela Distribution



Beam Width: 30°



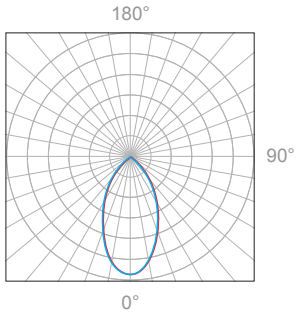
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	73.8fc	1.4ft	0.42m	1.4ft	0.42m
6.0ft	1.83m	18.4fc	2.9ft	0.88m	2.8ft	0.85m
9.0ft	2.74m	8.20fc	4.3ft	1.31m	4.2ft	1.28m
12ft	3.66m	4.61fc	5.7ft	1.73m	5.7ft	1.73m
15ft	4.57m	2.95fc	7.2ft	2.19m	7.1ft	2.16m
18ft	5.49m	2.05fc	8.6ft	2.62m	8.5ft	2.59m

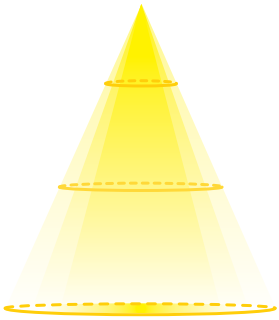
Delivered Lumen: 160.6 lm
Vertical Beam Spread: 26.9°
Horizontal Beam Spread: 26.5°

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	22.0fc	2.2ft	0.67m	2.4ft	0.73m
6.0ft	1.83m	5.49fc	4.5ft	1.37m	4.9ft	1.49m
9.0ft	2.74m	2.44fc	6.7ft	2.04m	7.3ft	2.22m
12ft	3.66m	1.37fc	9.0ft	2.74m	9.7ft	2.95m
15ft	4.57m	0.88fc	11.2ft	3.41m	12.2ft	3.71m
18ft	5.49m	0.61fc	13.5ft	4.11m	14.6ft	4.45m

Delivered Lumen: 126.6 lm
Vertical Beam Spread: 41.0°
Horizontal Beam Spread: 44.2°

Tested on 07/14/2025