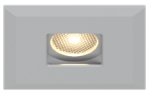
L500

INTERIOR
Recessed Downlight

- Dry location





Shown with Coil Spring Clips

Ordering Information

Clear Form

Date : _____

Project : _____

Type : _____

Quantity : _____

Note : _____

Specifications

Luminaire | Example Code: L500-2-W30H-N-BA

Product	Wattage [1]	CCT & CRI [2]	Beam Angle	Finish [3]
L500	**2**			
	2 2W	**W22S** 2200K 80+ **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 **BZ** bronze powder coated

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.*

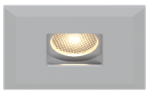
Warranty Notes & Disclaimer

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.

L500

INTERIOR
Recessed Downlight

- Dry location





Shown with Coil Spring Clips

Performance

Wattage	Forward Current	Power Consumption Budget per fixture (including driver)	LED output (Source)	Fixture Output (Delivered)
2W	700mA	3W	220 lm	154.1-167.7 lm

Application

Environment	Dry Location approved. IP 40.
Mounting	**Recessed:** Designed to be mount to cabinet millwork with coil 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	0.07lbs (0.03kg)
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.

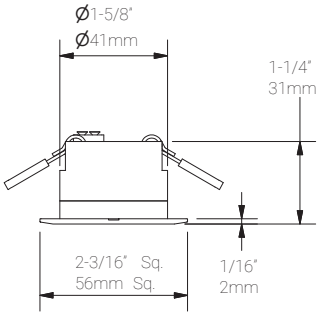
Ordered Separately

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

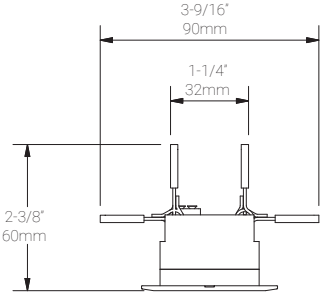
Mounting Options & Dimensions

LED Fixture Dimensions

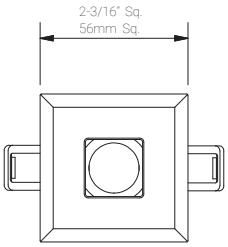
Fixture dimension



Coil Spring Clip dimension



Fixture (Top View)



3D View



Appendix

Aluminum Finishes



MA matte clear anodized



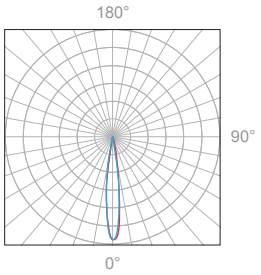
BA black anodized



BZ bronze powder coated

2W, 3000K, 90+ CRI

Polar Candela Distribution



Beam Width: 12°



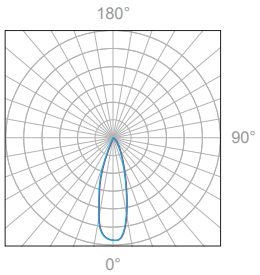
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	145fc	0.8ft	0.24m	0.8ft	0.24m
6.0ft	1.83m	38.5fc	1.6ft	0.48m	1.6ft	0.48m
9.0ft	2.74m	17.1fc	2.3ft	0.70m	2.3ft	0.70m
12ft	3.66m	9.62fc	3.1ft	0.94m	3.1ft	0.94m
15ft	4.57m	6.16fc	3.9ft	1.18m	3.9ft	1.18m
18ft	5.49m	4.28fc	4.7ft	1.43m	4.7ft	1.43m

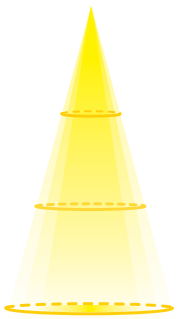
Delivered Lumen: 163.4 lm
Vertical Beam Spread : 14.8°
Horizontal Beam Spread : 14.8°

Tested on 31/03/2025

Polar Candela Distribution



Beam Width: 30°



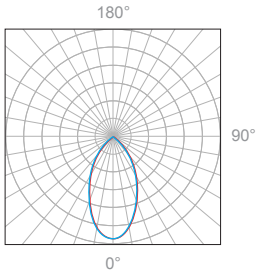
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	80.0fc	1.4ft	0.42m	1.3ft	0.39m
6.0ft	1.83m	20.0fc	2.8ft	0.85m	2.7ft	0.82m
9.0ft	2.74m	8.89fc	4.2ft	1.28m	4.0ft	1.22m
12ft	3.66m	5.00fc	5.6ft	1.70m	5.4ft	1.64m
15ft	4.57m	3.20fc	7.0ft	2.13m	6.7ft	2.04m
18ft	5.49m	2.22fc	8.5ft	2.59m	8.1ft	2.46m

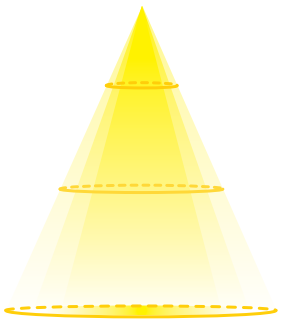
Delivered Lumen: 167.7 lm
Vertical Beam Spread : 26.4°
Horizontal Beam Spread : 25.3°

Tested on 31/03/2025

Polar Candela Distribution



Beam Width: 45°



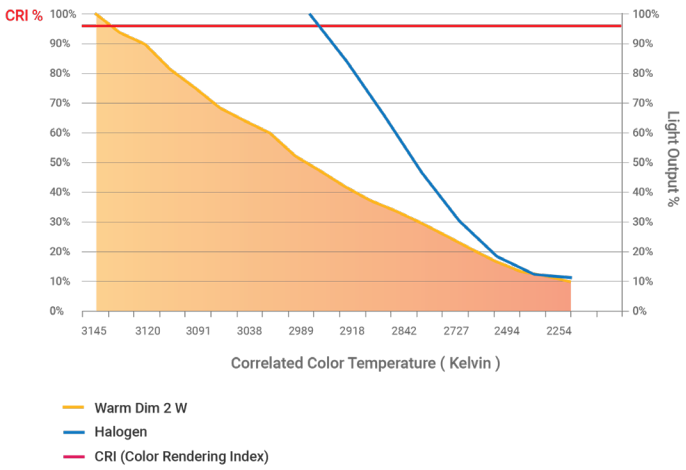
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	24.7fc	2.7ft	0.82m	2.7ft	0.82m
6.0ft	1.83m	6.16fc	5.4ft	1.64m	5.4ft	1.64m
9.0ft	2.74m	2.74fc	8.1ft	2.46m	8.0ft	2.43m
12ft	3.66m	1.54fc	10.8ft	3.29m	10.7ft	3.26m
15ft	4.57m	0.99fc	13.5ft	4.14m	13.4ft	4.11m
18ft	5.49m	0.68fc	16.2ft	4.93m	16.1ft	4.90m

Delivered Lumen: 154.1 lm
Vertical Beam Spread : 48.4°
Horizontal Beam Spread : 48.1°

Tested on 31/03/2025

Warm Dimming VS. Halogen



Full Spectrum

