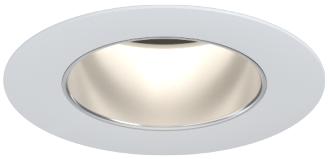
L402



EXTERIOR | INTERIOR
Adjustable Recessed Downlight

- Damp and Dry location

Ordering Information

Clear Form

Date : _____

Project : _____

Type : _____

Quantity : _____

Note : _____

Specifications

Luminaire | Example Code: L402-13-L-W30V-S-B-B-BK

Product	Wattage	Dimming	CCT & CRI [2]	Beam Angle	Reflector Colour	Baffle Colour	Trim Finish
L402	**13**						
	13 13W	**Integral Driver:** **D** 0-10V dimming **T** Triac dimming **Remote Driver:** **M** DMX **L** DALI **Non-dimmable:** **ND** non-dimmable [1]	**Standard LED Module:** **W27H** 2700K 90+ **W30H** 3000K 90+ **W35H** 3500K 90+ **W27V** 2700K 97+ **W30V** 3000K 97+ **Custom LED Module:** ***Warm Dim:*** **WD** 1800K-3000K 95+ ***SORAA:*** **SOR27** 2700K 95+ **SOR30** 3000K 95+ ***Xicato Artist:*** **X27** 2700K 95+ **X30** 3000K 95+ **X35** 3500K 95+	**S** spot 15° **N** narrow flood 30° **For WD only:** **S** spot 20° **N** narrow flood 45°	**S** silver reflector **B** black reflector	**S** silver baffle **B** black baffle	**WH** white powder coated **BK** black powder coated

System Components (Ordered Separately)

Remote Driver : _____

* Consult MP Lighting Website or Factory.

Important Notes

Specifications

1. *Non-dimmable option: 120V input only.*
2. *For custom LED module option, lead time might vary. Please consult factory to specify this option and confirm the specific lead time.*

Further information and images

*For custom LED module option, lead time might vary. Please consult factory to specify this option and confirm the specific lead time. For images of different colour options, please refer to **Appendix.***

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. Only DC Drivers are recommended for dimming systems. 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 without notice, to make design changes to any of our products.

L402

EXTERIOR | INTERIOR
Adjustable Recessed Downlight

- Damp and Dry location



Performance

LED Module	Wattage	Forward Current	Power Consumption Budget per fixture (including driver)	LED output (Source)	Fixture Output (Delivered)
Standard	13W	350mA	16W	1430 lm	1069.2-1075.8 lm
Xicato Artist	8W	350mA	16W	1430 lm	530-594 lm
SORAA	10W	350mA	16W	1430 lm	500-515 lm
Warm Dim	13W	350mA	16W	1430 lm	679-688.1 lm

Application

Environment	Dry / Damp Location approved. IP 42.
Field Customization	Field replaceable LED Zhaga module
Mounting	Non-insulated type frame in kit with hanger bars to mount to joist. Ceiling cut out 4"(102mm) aperture.

Electrical

Electrical	**Integral Driver:** 120V AC (Triac, 0-10V), 277V AC (0-10V) **Remote Driver:** 120V AC or 277V AC (DMX or DALI) Remote Emergency Driver/inverter options available, please consult factory for more information.

Luminaire Construction

Weight	1.4 lbs (638 g).
Material	**Fixture:** aluminum
Supplied with	**Non-insulated housing**
Warranty & LED Life	5 years limited warranty Estimated useful life of LED is 50,000 hours.

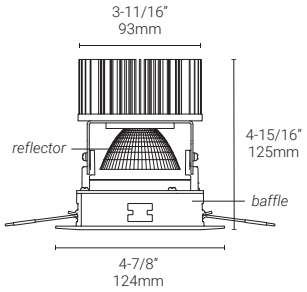
Ordered Separately

System Components	**Power supplies:** remote driver

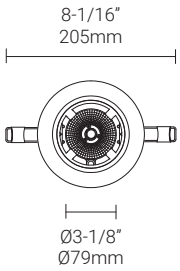
Mounting Options & Dimensions

LED Insert Dimensions

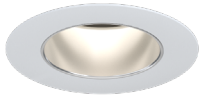
Fixture

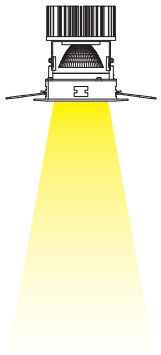


Front View



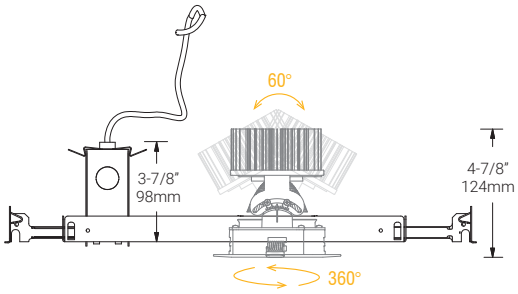
3D View



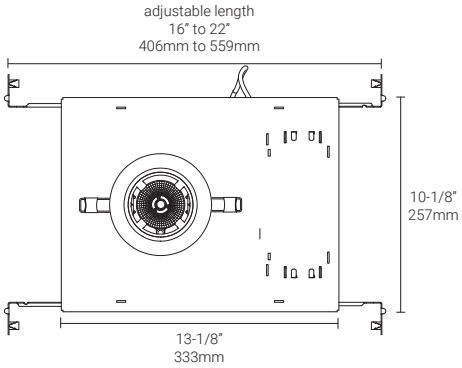


Non-Insulated Housing

Side View



Front View

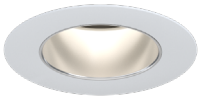


3D View



Appendix

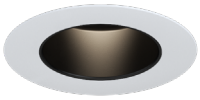
Aluminum Finishes



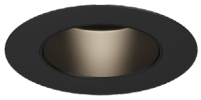
WH white trim with silver reflector and baffle



BK black trim with silver reflector and baffle



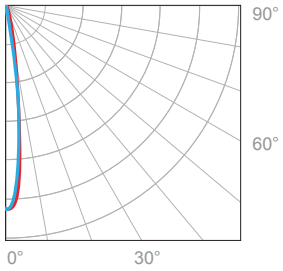
WH white trim with black reflector and baffle



BK black trim with black reflector and baffle

Standard LED Module | 13W, 3000K, 90+ CRI | Silver Reflector and Silver Baffle

Polar Candela Distribution



Beam Width: 15°



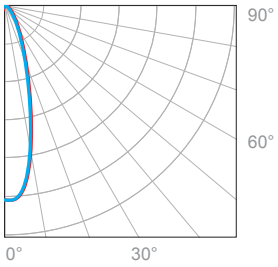
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	911fc	0.8ft	0.24m	0.9ft	0.27m
6.0ft	1.83m	228fc	1.7ft	0.51m	1.7ft	0.51m
9.0ft	2.74m	101fc	2.5ft	0.76m	2.6ft	0.79m
12ft	3.66m	56.9fc	3.4ft	1.03m	3.5ft	1.06m
15ft	4.57m	36.4fc	4.2ft	1.28m	4.4ft	1.34m
18ft	5.49m	25.3fc	5.0ft	1.52m	5.2ft	1.58m

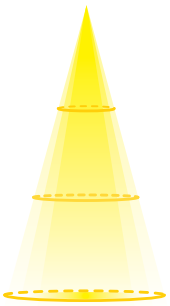
Delivered Lumen: 1075.8 lm
Vertical Beam Spread: 15.9°
Horizontal Beam Spread: 16.6°

Tested on 07/11/2025

Polar Candela Distribution



Beam Width: 30°



Illuminance at a Distance

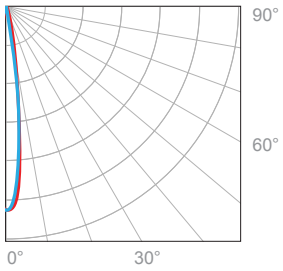
Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	319fc	1.7ft	0.52m	1.8ft	0.54m
6.0ft	1.83m	79.7fc	3.4ft	1.03m	3.5ft	1.06m
9.0ft	2.74m	35.4fc	5.2ft	1.58m	5.3ft	1.61m
12ft	3.66m	19.9fc	6.9ft	2.10m	7.0ft	2.13m
15ft	4.57m	12.8fc	8.6ft	2.62m	8.8ft	2.68m
18ft	5.49m	8.86fc	10.3ft	3.14m	10.5ft	3.20m

Delivered Lumen: 1069.2 lm
Vertical Beam Spread: 31.9°
Horizontal Beam Spread: 32.6°

Tested on 07/11/2025

Warm Dimming LED Module | 13W | Silver Reflector and Silver Baffle

Polar Candela Distribution



Beam Width: 20°



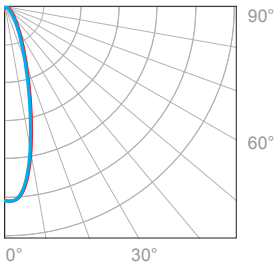
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	390fc	1.1ft	0.33m	1.1ft	0.33m
6.0ft	1.83m	97.6fc	2.1ft	0.64m	2.2ft	0.67m
9.0ft	2.74m	43.4fc	3.2ft	0.97m	3.3ft	1.00m
12ft	3.66m	24.4fc	4.3ft	1.31m	4.4ft	1.34m
15ft	4.57m	15.6fc	5.4ft	1.64m	5.5ft	1.67m
18ft	5.49m	10.8fc	6.4ft	1.95m	6.7ft	2.04m

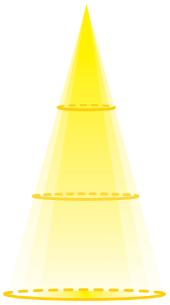
Delivered Lumen: 688.1 lm
Vertical Beam Spread: 20.3°
Horizontal Beam Spread: 21°

Tested on 07/11/2025

Polar Candela Distribution



Beam Width: 45°



Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	149fc	2.4ft	0.73m	2.4ft	0.73m
6.0ft	1.83m	37.2fc	4.8ft	1.46m	4.8ft	1.46m
9.0ft	2.74m	16.5fc	7.1ft	2.16m	7.2ft	2.19m
12ft	3.66m	9.30fc	9.5ft	2.89m	9.6ft	2.92m
15ft	4.57m	5.95fc	11.9ft	3.62m	12.0ft	3.65m
18ft	5.49m	4.13fc	14.3ft	3.35m	14.4ft	3.39m

Delivered Lumen: 679 lm
Vertical Beam Spread: 43.2°
Horizontal Beam Spread: 43.7°

Tested on 07/11/2025

Halogen Dim (Warm Dim)

Warm Dim VS. Halogen

