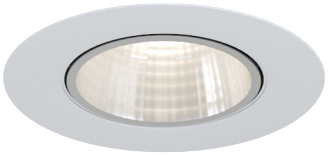
L401

EXTERIOR | INTERIOR
Recessed Downlight

- Damp and Dry location



Ordering Information

Clear Form

Date : _____ Quantity : _____

Project : _____ Note : _____

Type : _____ _____

Specifications

Luminaire | Example Code: L401-13-D-W30V-S-S-BK

Product	Wattage	Dimming	CCT & CRI [2]	Beam Angle	Reflector Colour	Trim Finish
L401	**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 12° **N** narrow flood 30° **F** flood 40° **For WD only:** **S** spot 15° **N** narrow flood 35° **F** flood 45°	**S** silver reflector **B** black reflector	**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.***

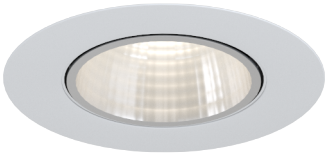
Warranty Notes & Disclaimer

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.

L401

EXTERIOR | INTERIOR
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	757-804 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	806 lm

Application

Environment	Dry / Damp Location approved. IP 54.
Field Customization	Field replaceable LED Zhaga module
Mounting	Non-insulated type frame in kit with hanger bars to mount to joist. Ceiling cutout size: Ø4"(102mm)

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	1.2 lbs (548 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.

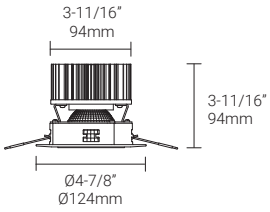
Ordered Separately

System Components	**Power supplies:** remote driver

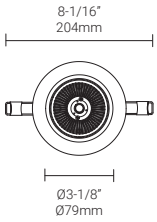
Mounting Options & Dimensions

LED Insert Dimensions

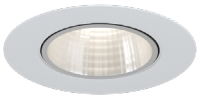
Fixture



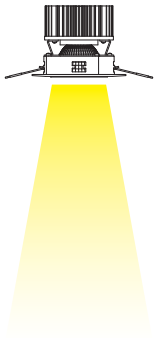
Front View



3D View

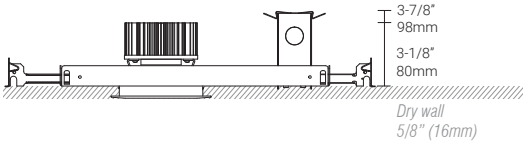


Beam

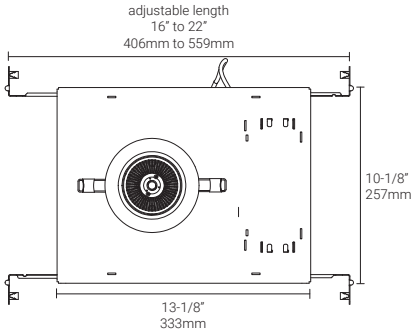


Non-Insulated Housing

Side View



Front View

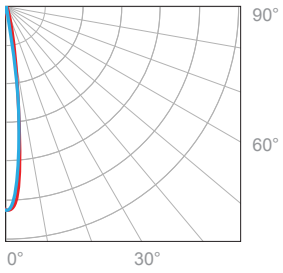


3D View



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

Polar Candela Distribution



Beam Width: 12°



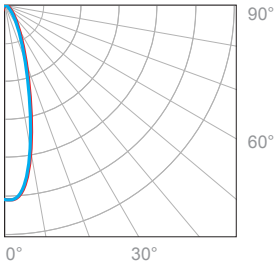
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	1288fc	0.7ft	0.21m	0.7ft	0.21m
6.0ft	1.83m	322fc	1.3ft	0.39m	1.3ft	0.39m
9.0ft	2.74m	143fc	2.0ft	0.61m	2.0ft	0.61m
12ft	3.66m	80.5fc	2.7ft	0.82m	2.7ft	0.82m
15ft	4.57m	51.5fc	3.3ft	1.00m	3.4ft	1.03m
18ft	5.49m	35.8fc	4.0ft	1.22m	4.0ft	1.22m

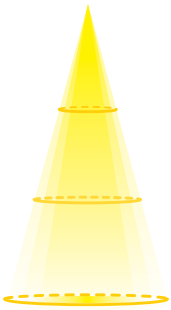
Delivered Lumen: 1196.8 lm
Vertical Beam Spread: 12.7°
Horizontal Beam Spread: 12.8°

Tested on 07/11/2025

Polar Candela Distribution



Beam Width: 30°



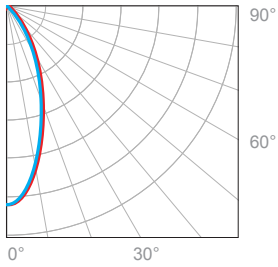
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	359fc	1.7ft	0.52m	1.6ft	0.48m
6.0ft	1.83m	89.6fc	3.3ft	1.00m	3.3ft	1.00m
9.0ft	2.74m	39.8fc	5.0ft	1.52m	4.9ft	1.49m
12ft	3.66m	22.4fc	6.6ft	2.01m	6.6ft	2.01m
15ft	4.57m	14.3fc	8.3ft	2.53m	8.2ft	2.50m
18ft	5.49m	9.96fc	9.9ft	3.01m	9.9ft	3.01m

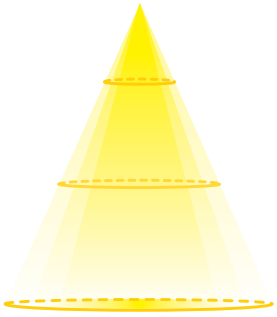
Delivered Lumen: 1201 lm
Vertical Beam Spread: 30.8°
Horizontal Beam Spread: 30.6°

Tested on 08/04/2026

Polar Candela Distribution



Beam Width: 40°



Illuminance at a Distance

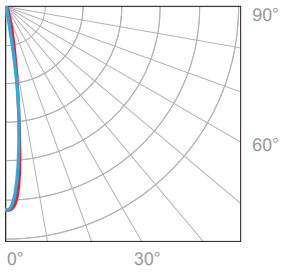
Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	242fc	2.2ft	0.67m	2.2ft	0.67m
6.0ft	1.83m	60.4fc	4.4ft	1.34m	4.4ft	1.34m
9.0ft	2.74m	26.9fc	6.6ft	2.01m	6.6ft	2.01m
12ft	3.66m	15.1fc	8.8ft	2.68m	8.8ft	2.68m
15ft	4.57m	9.67fc	11.0ft	3.35m	11.0ft	3.35m
18ft	5.49m	6.71fc	13.2ft	4.02m	13.2ft	4.02m

Delivered Lumen: 1205.1 lm
Vertical Beam Spread : 40.4°
Horizontal Beam Spread : 40.4°

Tested on 07/11/2025

Warm Dimming LED Module | 13W | Silver Reflector

Polar Candela Distribution



Beam Width: 15°



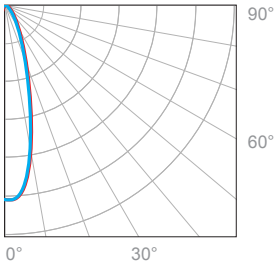
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	525fc	0.8ft	0.24m	0.8ft	0.24m
6.0ft	1.83m	131fc	1.7ft	0.51m	1.7ft	0.51m
9.0ft	2.74m	58.3fc	2.5ft	0.76m	2.5ft	0.76m
12ft	3.66m	32.8fc	3.4ft	1.03m	3.3ft	1.00m
15ft	4.57m	21.0fc	4.2ft	1.28m	4.2ft	1.28m
18ft	5.49m	14.6fc	5.1ft	1.55m	5.0ft	1.52m

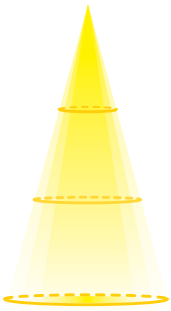
Delivered Lumen: 728.7 lm
Vertical Beam Spread: 16.1°
Horizontal Beam Spread: 15.8°

Tested on 07/11/2025

Polar Candela Distribution



Beam Width: 35°



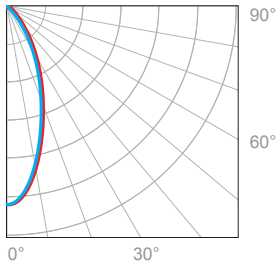
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	181fc	1.9ft	0.58m	1.9ft	0.58m
6.0ft	1.83m	45.2fc	3.9ft	1.18m	3.8ft	1.15m
9.0ft	2.74m	20.1fc	5.8ft	1.76m	5.7ft	1.73m
12ft	3.66m	11.3fc	7.7ft	2.34m	7.6ft	2.31m
15ft	4.57m	7.23fc	9.7ft	2.95m	9.5ft	2.89m
18ft	5.49m	5.02fc	11.6ft	3.53m	11.4ft	3.47m

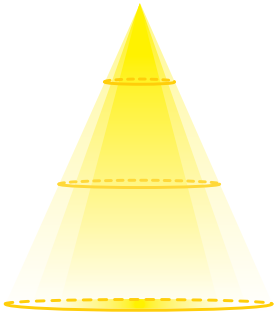
Delivered Lumen: 731.6 lm
Vertical Beam Spread: 35.7°
Horizontal Beam Spread: 31.9°

Tested on 07/11/2025

Polar Candela Distribution



Beam Width: 45°



Illuminance at a Distance

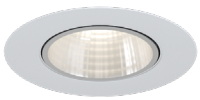
Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	124fc	2.6ft	0.79m	2.6ft	0.79m
6.0ft	1.83m	30.9fc	5.2ft	1.58m	5.1ft	1.55m
9.0ft	2.74m	13.7fc	7.8ft	2.37m	7.7ft	2.34m
12ft	3.66m	7.73fc	10.5ft	3.20m	10.3ft	3.14m
15ft	4.57m	4.94fc	13.1ft	3.99m	12.9ft	3.93m
18ft	5.49m	3.43fc	15.7ft	4.78m	15.4ft	4.69m

Delivered Lumen: 729 lm
Vertical Beam Spread : 47.1°
Horizontal Beam Spread : 46.4°

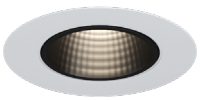
Tested on 07/11/2025

Appendix

Aluminum Finishes



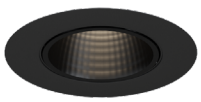
WH white trim with silver reflector



WH white trim with black reflector



BK black trim with silver reflector



BK black trim with black reflector

Halogen Dim (Warm Dim)

Warm Dim VS. Halogen

