MP LIGHTING

L402

EXTERIOR | INTERIOR
Adjustable Recessed Downlight

○ Damp and Dry location

CSA ᶜ◌ᵤₛ CE

Ordering Information   Clear Form

Date :   Quantity :

Project :   Note :

Type :

Specifications

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

Product	Wattage	Dimming	CCT & CRI [1]	Beam Angle	Reflector Colour	Baffle Colour	Trim Finish
L402	**13**						
	13 13W	**Integral Driver:**	**Standard LED Module:**	**S** spot 15°	**S** silver reflector	**S** silver baffle	**WH** white powder coat
		D 0~10V dimming	**W27H** 2700K 90+	**N** narrow flood 30°	**B** black reflector	**B** black baffle	**BK** black powder coat
		T Triac dimming	**W30H** 3000K 90+				
		LU Lutron dimming	**W35H** 3500K 90+				
			W27V 2700K 97+				
		Remote Driver:	**W30V** 3000K 97+				
		M DMX					
		L DALI	**Custom LED Module:**				
			Warm Dim:				
		Non-dimmable:	**WD** 1800K-3000K 95+				
		ND non-dimmable					
			SORAA:				
			SOR27 2700K 95+				
			SOR30 3000K 95+				
			Xicato Artist:				
			X27 2700K 95+				
			X30 3000K 95+				
			X35 3500K 95+				
			Lumenetix:				
			L 1650K-4000K 90+				

System Components (Ordered Separately)

Remote Driver : _____   * Consult MP Lighting Website or Factory.

Important Notes

Specifications
1. *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.

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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	701-702 lm
Xicato Artist	8W	350mA	16W	1430 lm	530-594 lm
SORAA	10W	350mA	16W	1430 lm	500-515 lm
Lumenetix	12W	500mA	15W	480 lm	480 lm
Warm Dim	13W	350mA	16W	1430 lm	806 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, or Lutron), 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

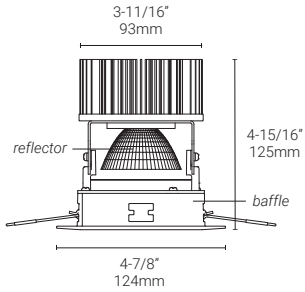|	
Weight	1.4 lbs (638 g).
Material	**Fixture:** aluminum
Supplied with	**Non-insulated housing**
Warranty & LED Life	5 years limited warranty Estimated useful life of LED is 50,000 hours.

Ordered Separately

System Components	**Power supplies:** remote driver

Mounting Options & Dimensions

LED Insert Dimensions

Fixture

3-11/16"
93mm

reflector

4-15/16"
125mm

baffle

4-7/8"
124mm

Front View

8-1/16"
205mm

Ø3-1/8"
Ø79mm
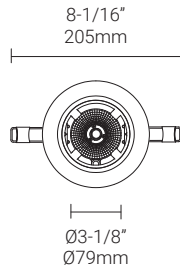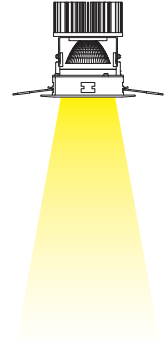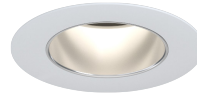
3D View

Non-Insulated Housing

Side View

60°

3-7/8"
98mm

360°

4-7/8"
124mm

Front View

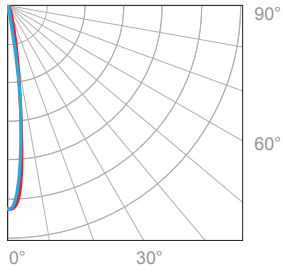adjustable length
16" to 22"
406mm to 559mm

10-1/8"
257mm

13-1/8"
333mm
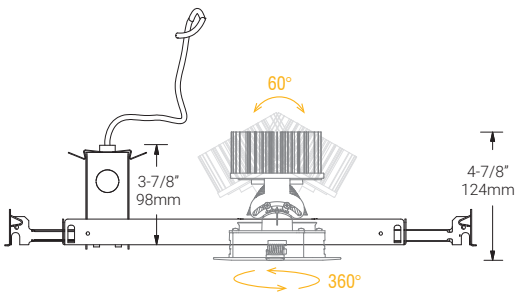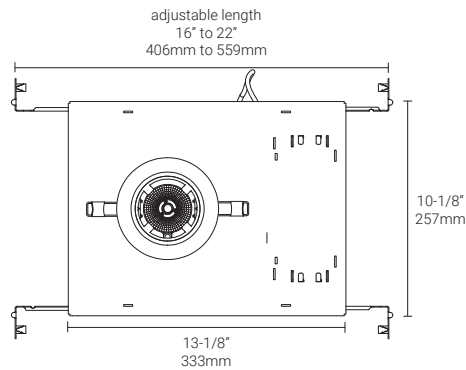
3D View

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

Polar Candela Distribution

Beam Width: 15°

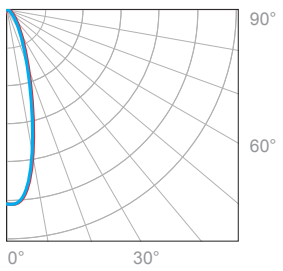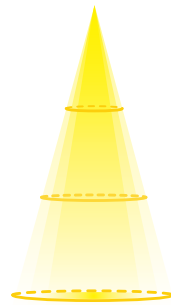### Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	370.2fc	0.9ft	0.27m	0.9ft	0.27m
6.0ft	1.83m	92.5fc	1.9ft	0.57m	1.8ft	0.54m
9.0ft	2.74m	41.1fc	2.8ft	0.85m	2.7ft	0.82m
12ft	3.66m	23.1fc	3.7ft	1.12m	3.6ft	1.09m
15ft	4.57m	14.8fc	4.6ft	1.40m	4.6ft	1.40m
18ft	5.49m	10.3fc	5.6ft	1.70m	5.5ft	1.67m

Delivered Lumen: 701.1 lm
■ Vertical Beam Spread: 17.6°
■ Horizontal Beam Spread: 17.3°

Polar Candela Distribution

Beam Width: 30°

Illuminance at a Distance

| Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	179.2fc	1.7ft	0.52m	1.7ft	0.52m
6.0ft	1.83m	44.8fc	3.4ft	1.04m	3.4ft	1.04m
9.0ft	2.74m	19.9fc	5.1ft	1.55m	5.1ft	1.55m
12ft	3.66m	11.2fc	6.8ft	2.07m	6.8ft	2.07m
15ft	4.57m	7.2fc	8.5ft	2.59m	8.5ft	2.59m
18ft	5.49m	5.0fc	10.2ft	3.10m	10.2ft	3.10m

Delivered Lumen: 702 lm
■ Vertical Beam Spread: 31.5°
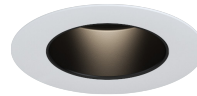■ Horizontal Beam Spread: 31.5°

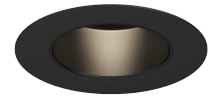## Appendix

Aluminum Finishes

WH white trim with silver reflector and baffle
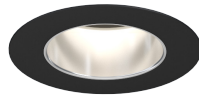
BK black trim with silver reflector and baffle

WH white trim with black reflector and baffle

BK black trim with black reflector and baffle

Halogen Dim (Warm Dim)

Warm Dim VS. Halogen

Legend:
- Warm Dim 13 W
- Halogen
- CRI (Color Rendering Index)

Chart axes: CRI %, Light Output %, Correlated Color Temperature (Kelvin)

X-axis values: 2873, 2833, 2789, 2711, 2663, 2522, 2368, 2243, 2067, 1948, 1934

2100K | 3000K