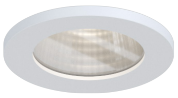
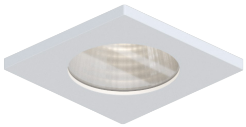
L422

INTERIOR

Recessed Downlight | For ceilings, soffits

- Damp and Dry location





Ordering Information

Clear Form

Date : _____

Project : _____

Type : _____

Quantity : _____

Note : _____

Specifications

Luminaire | Example Code: L422-NI-M-13-W30H-N-S-C-WH

Product	Mounting	Dimming	Version	CCT & CRI	Beam Angle	Reflector Colour [2]	Trim Shape [2]	Trim Finish [2]
L422			**13**		**N**			
	NI non-insulated **R** retrofit driver	**M** MLV dimming (120V) **D** 0-10V dimming (120-277V)	**13** 13W	**W27H** 2700K 90+ CRI **W30H** 3000K 90+ CRI **W35H** 3500K 90+ CRI **W27V** 2700K 97+ CRI **W30V** 3000K 97+ CRI **WD** warm dimming (1800-3000K, 95+ CRI) [1]	**N** narrow flood 30°	**S** silver specular **B** black specular **G** gold specular	**C** circular **S** square	**Aluminum Finishes:** **WH** white powder coated **BK** black powder coated

System Components (Ordered Separately)

Remote Driver : _____

* Consult MP Lighting Website or Factory.

Important Notes

Specification

1. *Refer to pg.5 or Warm Dimming for details. Beam angle for Warm Dimming tested at 35°.*
2. *Refer to Appendix or MP Lighting website for complete look of luminaire with different finish options.*

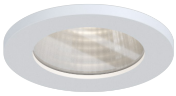
Warranty Notes & Disclaimer

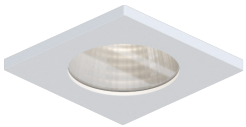
Malfunction and damage to product due to incompatible dimming system or misuse will not be covered under warranty. Consult MP Lighting for recommended drivers. If the fixture has an option to be installed with a dimming control system, consult a dimming system manufacturer with minimum load before installing. 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.

L422

INTERIOR
Recessed Downlight | For ceilings, soffits

- Damp and Dry location





Performance

Wattage	Forward Current	Power Consumption Budget per fixture (including driver)	LED output (Source)	Fixture Output (Delivered)
13W	350mA	16W	1430 lm	1044.9 lm
(WD) 13W	350mA	16W	1430 lm	652.3 lm

Application

Environment	Damp and Dry Location approved. IP 54.
Mounting	Mounts with spring clips. **Cut-out size:** Ø 2-1/2" (63.5mm) **Cord Length:** 22-1/4" (565mm)

Electrical

Power Supplies	**Comes with:** Remote LED drivers (120V AC input, ELV dimmable) **OR** Remote LED drivers (120-277V AC input, 0-10V dimmable)
Control	**On/off control** **Dimming:** ELV or 0-10V dimming with appropriate drivers **Other options (consult factory):** TRIAC/MLV, DMX, DALI, Casambi, Power over Ethernet

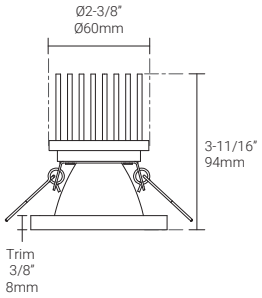
Luminaire Construction

LED Light Source	**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 **W27V =** CCT: 2700K, CRI (Ra): 97+, Colour Consistency: 2SDCM **W30V =** CCT: 3000K, CRI (Ra): 97+, Colour Consistency: 2SDCM **WD =** CCT: 1800K-3000K, CRI (Ra): 95+
Weight	2lbs (0.45kg)
Material	**Fixture:** machined marine-grade aluminum
Supplied with	**Non-insulated housing:** Comes with fame, built-in nailer, housing cover, and cord **Retrofit driver:** remote river housing and cord
Warranty & LED Life	5 years limited warranty Estimated useful life of LED is 50,000 hours.

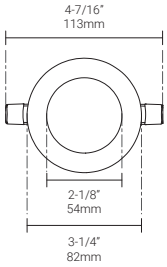
Mounting Options & Dimensions

LED Fixture Dimensions

Fixture



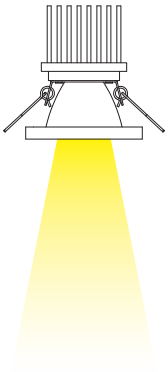
Top View



3D View

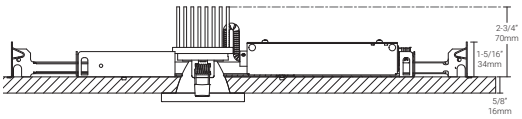


Beam

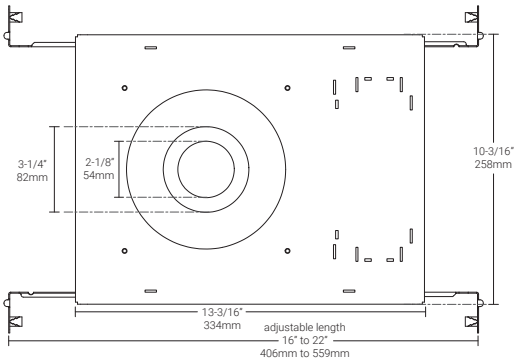


Non-insulated housing with driver

Side View



Bottom View

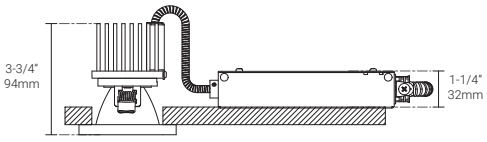


3D View

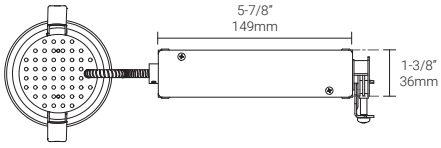


Retrofit housing with driver

Side View



Top View

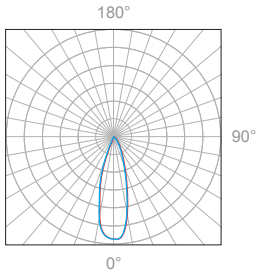


3D View

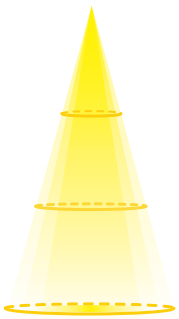


13W, 3000K, 90+ CRI, Silver Reflector

Polar Candela Distribution



Beam Width: 30°



Illuminance at a Distance

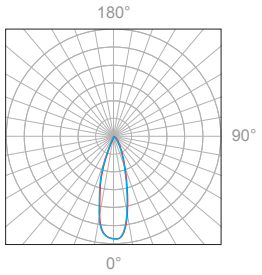
Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	375fc	1.5ft	0.45m	1.5ft	0.45m
6.0ft	1.83m	93.8fc	3.0ft	0.91m	3.0ft	0.91m
9.0ft	2.74m	41.7fc	4.5ft	1.37m	4.5ft	1.37m
12.0ft	3.66m	23.4fc	6.0ft	1.82m	6.0ft	1.82m
15.0ft	4.57m	15.0fc	7.5ft	2.28m	7.5ft	2.28m
18.0ft	5.49m	10.4fc	8.9ft	2.71m	9.0ft	2.74m

Delivered Lumen: 1044.9 lm
Vertical Beam Spread: 27.9°
Horizontal Beam Spread: 28.1°

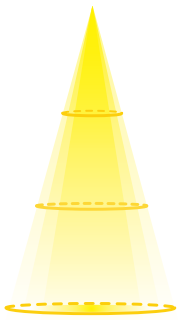
Tested on 07/11/2025

13W, Warm Dimming, Silver Reflector

Polar Candela Distribution



Beam Width: 35°



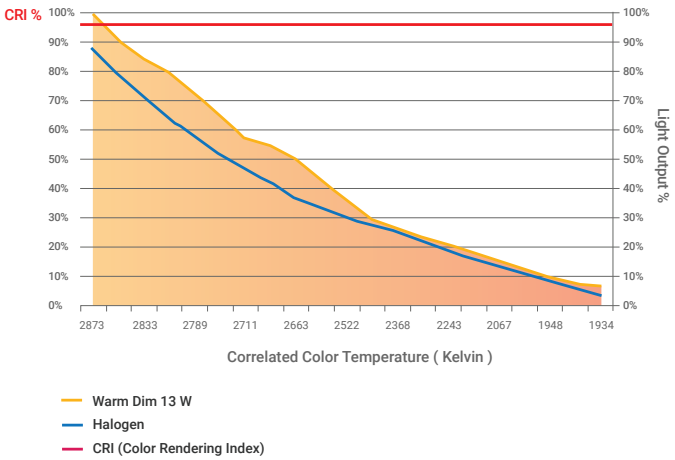
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	157fc	2.0ft	0.61m	2.0ft	0.61m
6.0ft	1.83m	39.3fc	4.0ft	1.22m	4.0ft	1.22m
9.0ft	2.74m	17.4fc	6.1ft	1.86m	5.9ft	1.79m
12.0ft	3.66m	9.81fc	8.1ft	2.46m	7.9ft	2.40m
15.0ft	4.57m	6.28fc	10.1ft	3.07m	9.9ft	3.01m
18.0ft	5.49m	4.36fc	12.1ft	3.68m	11.9ft	3.62m

Delivered Lumen: 652.3 lm
Vertical Beam Spread: 37.2°
Horizontal Beam Spread: 36.5°

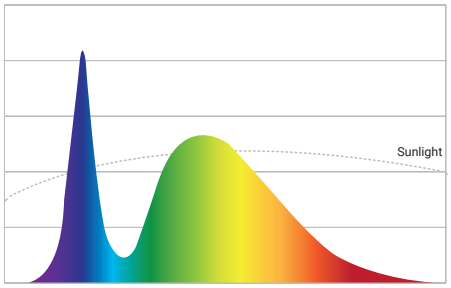
Tested on 07/11/2025

Warm Dimming VS. Halogen

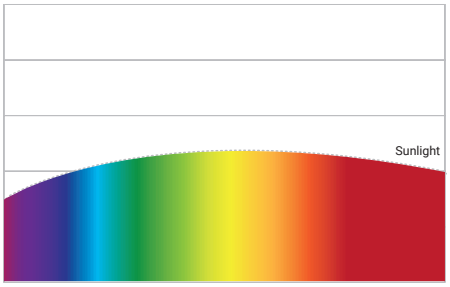


LED Colour Spectrum Comparison

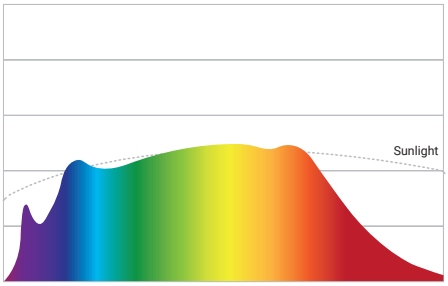
Coventional LED



Sunlight



MP Dimmable Full Spectrum LED

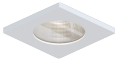


Appendix

Trim Finish (Aluminum) | Trim Shape | Relector Colour



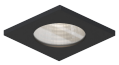
WH white powder coat
C circular
S silver specular



WH white powder coat
S square
S silver specular



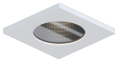
BK black powder coat
C circular
S silver specular



BK black powder coat
S square
S silver specular



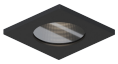
WH white powder coat
C circular
B black specular



WH white powder coat
S square
B black specular



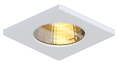
BK black powder coat
C circular
B black specular



BK black powder coat
S square
B black specular



WH white powder coat
C circular
G gold specular



WH white powder coat
S square
G gold specular



BK black powder coat
C circular
G gold specular



BK black powder coat
S square
G gold specular