

# L425

## INTERIOR

Recessed Downlight | For ceilings, soffits, and shower rooms

○ Damp and Dry location



Shown with Spring Clip



### Ordering Information

Clear Form

Date : \_\_\_\_\_

Quantity : \_\_\_\_\_

Project : \_\_\_\_\_

Note : \_\_\_\_\_

Type : \_\_\_\_\_

### Specifications

Luminaire | Example Code: L425-NI-M-13-W30H-45-ELB-WH

Product	Mounting	Dimming <sup>1</sup>	Wattage	CCT & CRI	Beam Angle	Accessories <sup>2</sup> (optional)	Trim Finish
<b>L425</b>			<b>13</b>				
	<b>NI</b> non-insulated <b>R</b> retrofit driver	<b>M</b> MLV dimming (120V) <b>D</b> 0-10V dimming (120-277V)	<b>13</b> 13W	<b>High (90+) CRI:</b> <b>W27H</b> 2700K 90+ CRI <b>W30H</b> 3000K 90+ CRI <b>W35H</b> 3500K 90+ CRI  <b>Very High (97+) CRI:</b> <b>W27V</b> 2700K 97+ CRI <b>W30V</b> 3000K 97+ CRI  <b>WD</b> warm dimming (1800-3000K, 95+ CRI) <sup>1</sup>	<b>15</b> 15° <b>20</b> 20° <b>26</b> 26° <b>45</b> 45°	<b>ELB</b> eggcrate louver, black	<b>F</b> frosted <b>MA</b> matte clear anodized

### System Components (Ordered Separately)

Remote Driver : \_\_\_\_\_

\* Consult MP Lighting Website or Factory.

### Important Notes

#### Specification

1. Refer to pg.4 or [Warm Dimming](#) for details.
2. Refer to Appendix for louver's image.

#### 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.

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### Performance

Wattage	Forward Current	Power Consumption Budget per fixture (including driver)	LED output (Source)	Fixture Output (Delivered)
13W	350mA	13W	1430 lm	541-601 lm

### Application

Environment	Damp and Dry Location approved. IP 54.
Mounting	Mounts with spring clips. <b>Cut-out size:</b> Ø 2-3/4" (69.85mm) <b>Cord Length:</b> 22-1/4" (565mm)

### Electrical

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

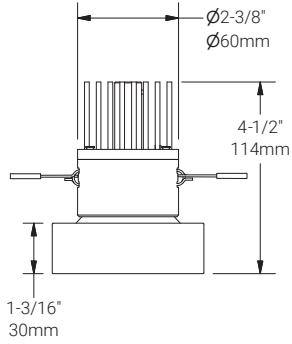
### Luminaire Construction

LED Light Source	<b>W27H</b> = CCT: 2700K, CRI (Ra): 90+, Colour Consistency: 2SDCM <b>W30H</b> = CCT: 3000K, CRI (Ra): 90+, Colour Consistency: 2SDCM <b>W35H</b> = CCT: 3500K, CRI (Ra): 90+, Colour Consistency: 2SDCM <b>W27V</b> = CCT: 2700K, CRI (Ra): 97+, Colour Consistency: 2SDCM <b>W30V</b> = CCT: 3000K, CRI (Ra): 97+, Colour Consistency: 2SDCM <b>WD</b> = CCT: 1800K-3000K, CRI (Ra): 95+
Weight	With NI housing: 4.5lbs (2.04kg). With R housing: 1.8lbs (0.81kg)
Material	<b>Fixture:</b> machined marine-grade aluminum
Supplied with	<b>Non-insulated housing:</b> Comes with frame, built-in nailer, housing cover, and cord <b>Retrofit driver:</b> remote driver housing and cord
Warranty & LED Life	5 years limited warranty Estimated useful life of LED is 50,000 hours.

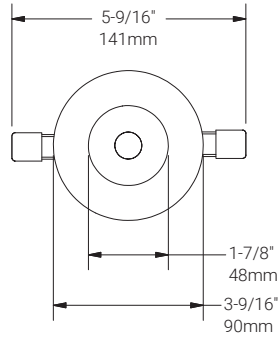
Mounting Options & Dimensions

LED Fixture Dimensions

Fixture



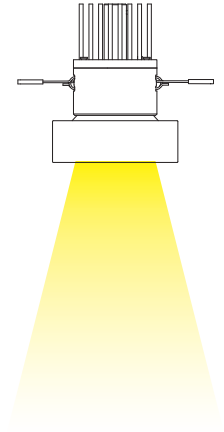
Top View



3D View

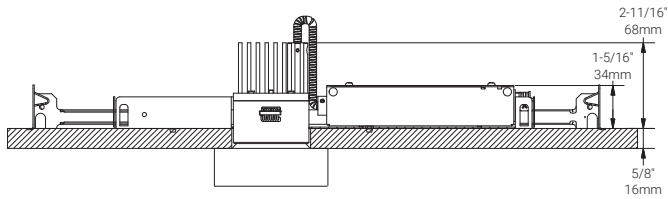


Beam

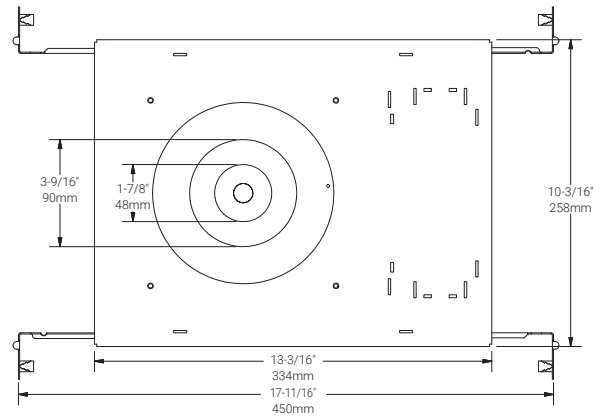


Non-insulated housing with driver

Side View

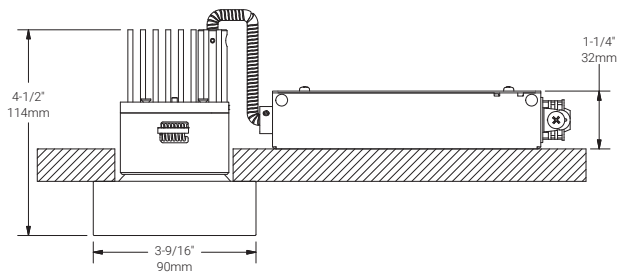


Bottom View

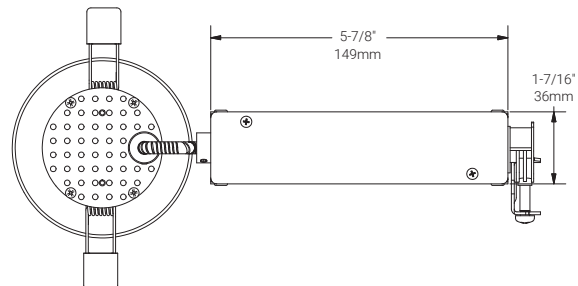


Retrofit housing with driver

Side View

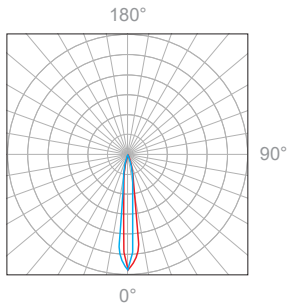


Top View



13W, 3000K, 90+ CRI, Frosted Finish

Polar Candela Distribution



Beam Width: 15°

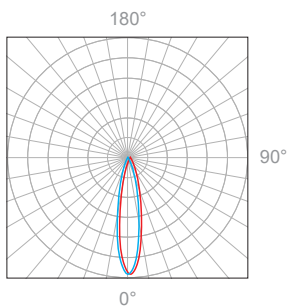


Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	535fc	0.9ft	0.27m	0.8ft	0.24m
6.0ft	1.83m	134fc	1.7ft	0.51m	1.7ft	0.51m
9.0ft	2.74m	59.4fc	2.6ft	0.79m	2.5ft	0.76m
12.0ft	3.65m	33.4fc	3.4ft	1.03m	3.3ft	1.00m
15.0ft	4.57m	21.4fc	4.3ft	1.31m	4.2ft	1.28m
18.0ft	5.48m	14.8fc	5.2ft	1.58m	5.0ft	1.52m

Delivered Lumen: 595.3 lm  
 ■ Vertical Beam Spread: 16.3°  
 ■ Horizontal Beam Spread: 15.9°

Polar Candela Distribution



Beam Width: 20°

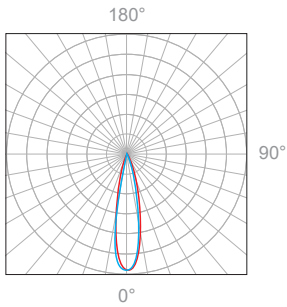


Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	436fc	0.9ft	0.27m	0.9ft	0.27m
6.0ft	1.83m	109fc	1.9ft	0.57m	1.9ft	0.57m
9.0ft	2.74m	48.4fc	2.8ft	0.85m	2.8ft	0.85m
12.0ft	3.65m	27.2fc	3.8ft	1.15m	3.8ft	1.15m
15.0ft	4.57m	17.4fc	4.7ft	1.43m	4.7ft	1.43m
18.0ft	5.48m	12.1fc	5.7ft	1.73m	5.7ft	1.73m

Delivered Lumen: 601 lm  
 ■ Vertical Beam Spread: 17.9°  
 ■ Horizontal Beam Spread: 17.9°

Polar Candela Distribution



Beam Width: 26°

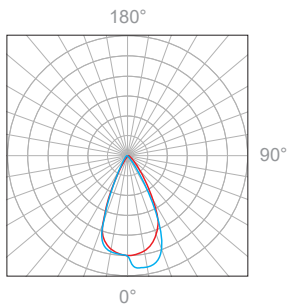


Illuminance at a Distance

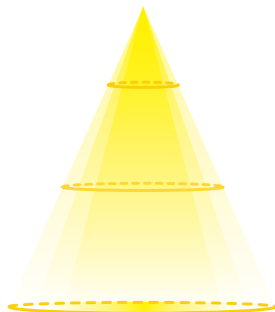
Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	244fc	1.4ft	0.42m	1.4ft	0.42m
6.0ft	1.83m	61.0fc	2.8ft	0.85m	2.7ft	0.82m
9.0ft	2.74m	27.1fc	4.2ft	1.28m	4.1ft	1.25m
12.0ft	3.65m	15.3fc	5.6ft	1.70m	5.4ft	1.64m
15.0ft	4.57m	9.76fc	7.0ft	2.13m	6.8ft	2.07m
18.0ft	5.48m	6.78fc	8.4ft	2.56m	8.2ft	2.50m

Delivered Lumen: 592.8 lm  
 ■ Vertical Beam Spread: 26.4°  
 ■ Horizontal Beam Spread: 25.5°

Polar Candela Distribution



Beam Width: 45°



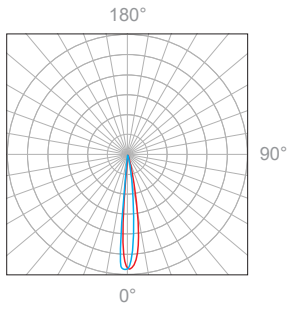
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	105fc	2.3ft	0.70m	2.2ft	0.67m
6.0ft	1.83m	26.1fc	4.7ft	1.43m	4.5ft	1.37m
9.0ft	2.74m	11.6fc	7.0ft	2.13m	6.7ft	2.04m
12.0ft	3.65m	6.53fc	9.3ft	2.83m	9.0ft	2.74m
15.0ft	4.57m	4.18fc	11.6ft	3.53m	11.2ft	3.41m
18.0ft	5.48m	2.90fc	14.0ft	4.26m	13.5ft	4.11m

Delivered Lumen: 567.9 lm  
 ■ Vertical Beam Spread: 42.4°  
 ■ Horizontal Beam Spread: 41.1°

13W, 3000K, 90+ CRI, Matte Clear Anodized Finish

Polar Candela Distribution



Beam Width: 15°

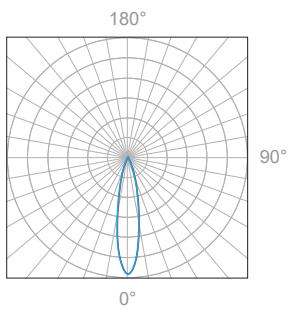


Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	524fc	0.9ft	0.27m	0.8ft	0.24m
6.0ft	1.83m	131fc	1.7ft	0.51m	1.7ft	0.51m
9.0ft	2.74m	58.3fc	2.6ft	0.79m	2.5ft	0.76m
12.0ft	3.65m	32.8fc	3.5ft	1.06m	3.4ft	1.03m
15.0ft	4.57m	21.0fc	4.3ft	1.31m	4.2ft	1.28m
18.0ft	5.48m	14.6fc	5.2ft	1.58m	5.1ft	1.55m

Delivered Lumen: 578.1 lm  
 ■ Vertical Beam Spread: 16.5°  
 ■ Horizontal Beam Spread: 16.0°

Polar Candela Distribution



Beam Width: 20°

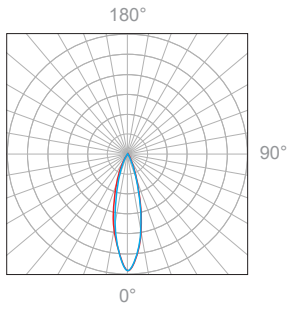


Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	447fc	0.9ft	0.27m	0.9ft	0.27m
6.0ft	1.83m	112fc	1.8ft	0.54m	1.9ft	0.57m
9.0ft	2.74m	49.7fc	2.8ft	0.85m	2.8ft	0.85m
12.0ft	3.65m	27.9fc	3.7ft	1.12m	3.7ft	1.12m
15.0ft	4.57m	17.9fc	4.6ft	1.40m	4.7ft	1.43m
18.0ft	5.48m	12.4fc	5.5ft	1.67m	5.6ft	1.70m

Delivered Lumen: 587.4 lm  
 ■ Vertical Beam Spread: 17.4°  
 ■ Horizontal Beam Spread: 17.7°

Polar Candela Distribution



Beam Width: 26°

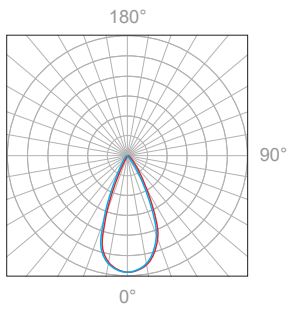


Illuminance at a Distance

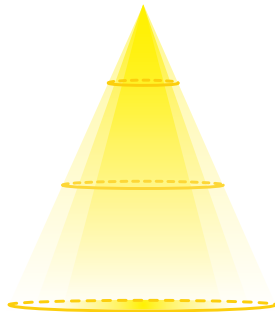
Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	245fc	1.4ft	0.42m	1.4ft	0.42m
6.0ft	1.83m	61.3fc	2.8ft	0.85m	2.8ft	0.85m
9.0ft	2.74m	27.2fc	4.2ft	1.28m	4.1ft	1.25m
12.0ft	3.65m	15.3fc	5.7ft	1.73m	5.5ft	1.67m
15.0ft	4.57m	9.80fc	7.1ft	2.16m	6.9ft	2.10m
18.0ft	5.48m	6.81fc	8.5ft	2.59m	8.3ft	2.53m

Delivered Lumen: 577.6 lm  
 ■ Vertical Beam Spread: 26.5°  
 ■ Horizontal Beam Spread: 25.9°

Polar Candela Distribution



Beam Width: 45°

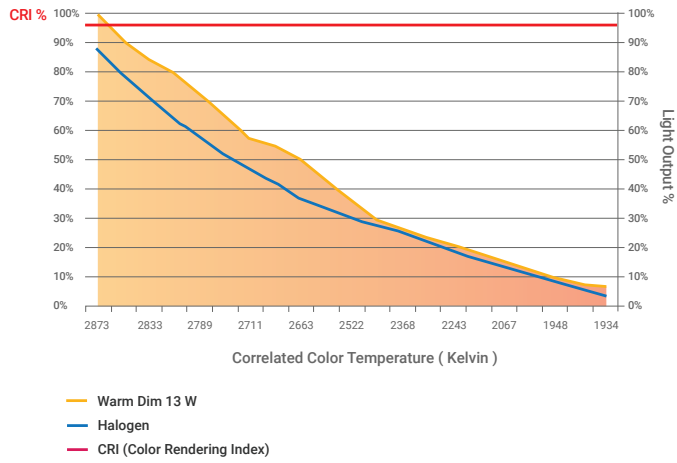


Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	106fc	2.4ft	0.73m	2.3ft	0.70m
6.0ft	1.83m	26.6fc	4.7ft	1.43m	4.6ft	1.40m
9.0ft	2.74m	11.8fc	7.1ft	2.16m	6.9ft	2.10m
12.0ft	3.65m	6.64fc	9.5ft	2.89m	9.2ft	2.80m
15.0ft	4.57m	4.25fc	11.8ft	3.59m	11.6ft	3.53m
18.0ft	5.48m	2.95fc	14.2ft	4.32m	13.9ft	4.23m

Delivered Lumen: 541.3 lm  
 ■ Vertical Beam Spread: 43.0°  
 ■ Horizontal Beam Spread: 42.2°

## Warm Dimming VS. Halogen

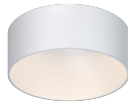


## Appendix

### Trim Finishes

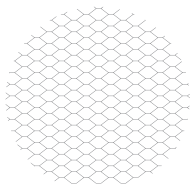


**F** frosted



**MA** matte clear anodized

### Accessories



**ACCS-ELB** eggcrate louver, black