L425

INTERIOR

Recessed Downlight | For ceilings, soffits, and shower rooms

- Damp and Dry location



Shown with Spring Clip



Ordering Information

Clear Form

Date : _____

Project : _____

Type : _____

Quantity : _____

Note : _____

Specifications

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

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

Recessed Downlight | For ceilings, soffits, and shower rooms

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Shown with Spring Clip



Performance

Wattage	Forward Current	Power Consumption Budget per fixture (including driver)	LED output (Source)	Fixture Output (Delivered)
13W	350mA	13W	1430 lm	991.5-1133.3 lm
13W (WD)	350mA	13W	1430 lm	593.2-680.2 lm

Application

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

Electrical

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

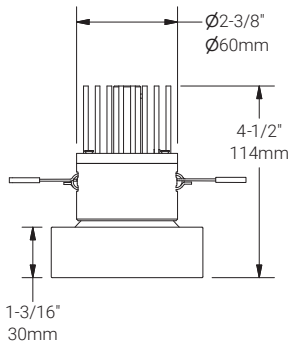
Luminaire Construction

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	With NI housing: 4.5lbs (2.04kg). With R housing: 1.8lbs (0.81kg)
Material	**Fixture:** machined marine-grade aluminum
Supplied with	**Non-insulated housing:** Comes with frame, built-in nailer, housing cover, and cord **Retrofit driver:** remote driver housing and cord
Warranty & LED Life	5 years limited warranty Estimated useful life of LED is 50,000 hours.

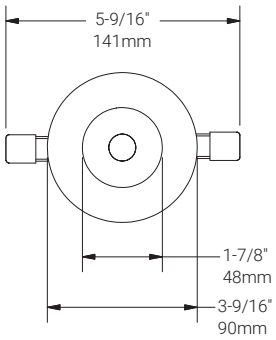
Mounting Options & Dimensions

LED Fixture Dimensions

Fixture



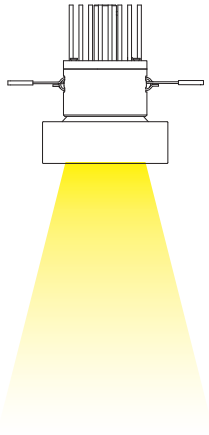
Top View



3D View

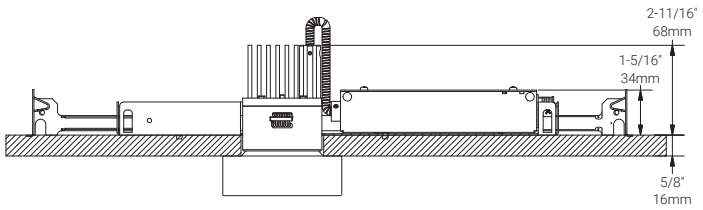


Beam

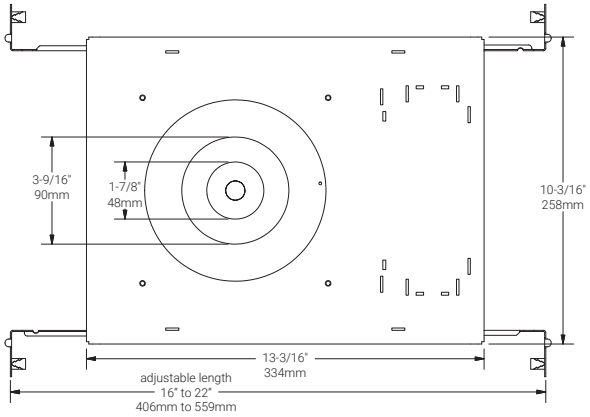


Non-insulated housing with driver

Side View

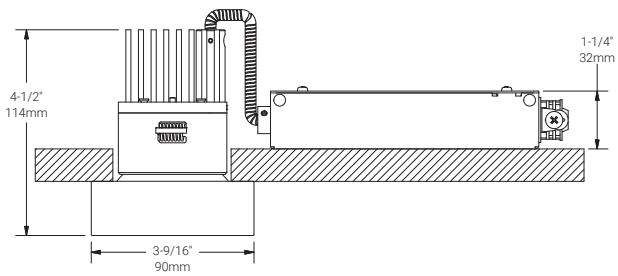


Bottom View

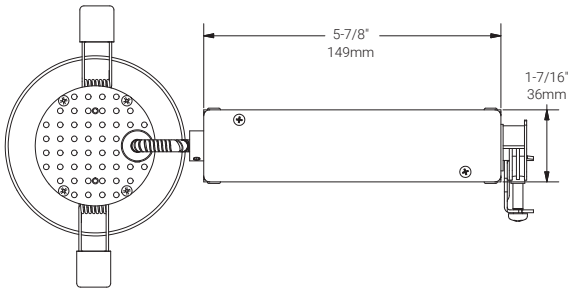


Retrofit housing with driver

Side View

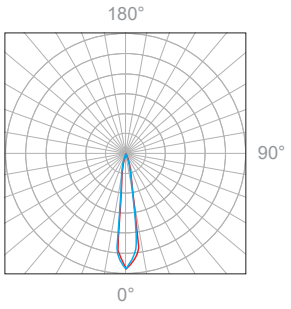


Top View



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

Polar Candela Distribution



Beam Width: 15°



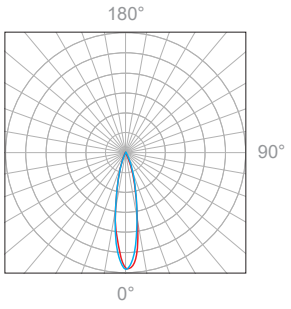
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	866fc	1.0ft	0.30m	1.0ft	0.30m
6.0ft	1.83m	217fc	1.9ft	0.58m	1.9ft	0.58m
9.0ft	2.74m	96.2fc	2.9ft	0.88m	2.9ft	0.88m
12.0ft	3.65m	54.1fc	3.9ft	1.19m	3.8ft	1.16m
15.0ft	4.57m	34.6fc	4.8ft	1.46m	4.8ft	1.46m
18.0ft	5.48m	24.1fc	5.8ft	1.76m	5.8ft	1.76m

Delivered Lumen: 1133.3 lm
Vertical Beam Spread: 18.3°
Horizontal Beam Spread: 18.2°

Tested on 11/20/2025

Polar Candela Distribution



Beam Width: 20°



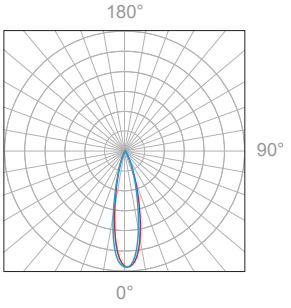
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	737fc	1.1ft	0.33m	1.1ft	0.33m
6.0ft	1.83m	184fc	2.1ft	0.64m	2.1ft	0.64m
9.0ft	2.74m	81.9fc	3.2ft	0.97m	3.2ft	0.97m
12.0ft	3.65m	46.1fc	4.2ft	1.28m	4.2ft	1.28m
15.0ft	4.57m	29.5fc	5.3ft	1.61m	5.3ft	1.61m
18.0ft	5.48m	20.5fc	6.3ft	1.92m	6.3ft	1.92m

Delivered Lumen: 1127.3 lm
Vertical Beam Spread: 19.9°
Horizontal Beam Spread: 19.9°

Tested on 11/20/2025

Polar Candela Distribution



Beam Width: 26°



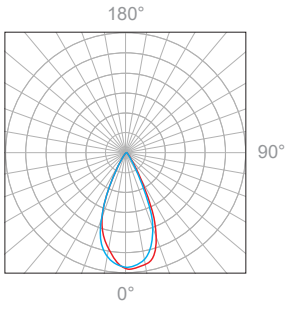
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	417fc	1.5ft	0.46m	1.5ft	0.46m
6.0ft	1.83m	104fc	2.9ft	0.88m	2.9ft	0.88m
9.0ft	2.74m	46.3fc	4.4ft	1.34m	4.4ft	1.34m
12.0ft	3.65m	26.1fc	5.9ft	1.79m	5.8ft	1.77m
15.0ft	4.57m	16.7fc	7.4ft	2.25m	7.3ft	2.22m
18.0ft	5.48m	11.6fc	8.8ft	2.68m	8.7ft	2.65m

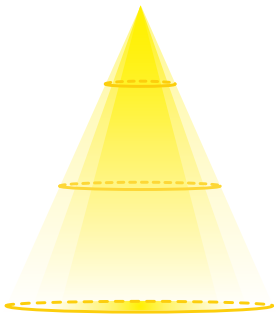
Delivered Lumen: 1110.2 lm
Vertical Beam Spread: 27.5°
Horizontal Beam Spread: 27.2°

Tested on 11/20/2025

Polar Candela Distribution



Beam Width: 45°



Illuminance at a Distance

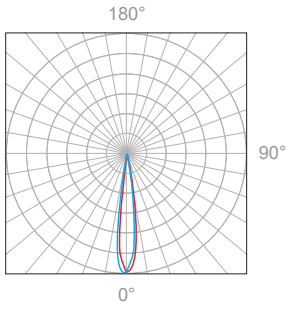
Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	183fc	2.4ft	0.73m	2.4ft	0.73m
6.0ft	1.83m	45.6fc	4.7ft	1.43m	4.8ft	1.46m
9.0ft	2.74m	20.3fc	7.1ft	2.16m	7.3ft	2.22m
12.0ft	3.65m	11.4fc	9.5ft	2.89m	9.7ft	2.96m
15.0ft	4.57m	7.30fc	11.8ft	3.60m	12.1ft	3.69m
18.0ft	5.48m	5.07fc	14.2ft	4.33m	14.5ft	4.42m

Delivered Lumen: 1026.7 lm
Vertical Beam Spread: 43°
Horizontal Beam Spread: 43.9°

Tested on 11/20/2025

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

Polar Candela Distribution



Beam Width: 15°



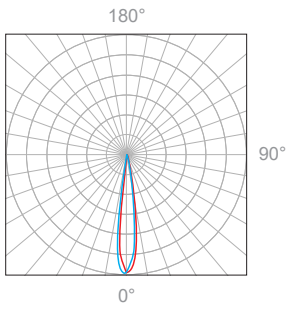
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	871fc	1.0ft	0.30m	1.0ft	0.30m
6.0ft	1.83m	218fc	1.9ft	0.58m	1.9ft	0.58m
9.0ft	2.74m	96.8fc	2.9ft	0.88m	2.9ft	0.88m
12.0ft	3.65m	54.4fc	3.9ft	1.19m	3.8ft	1.16m
15.0ft	4.57m	34.8fc	4.8ft	1.46m	4.8ft	1.46m
18.0ft	5.48m	24.2fc	5.8ft	1.76m	5.8ft	1.76m

Delivered Lumen: 1110.5 lm
Vertical Beam Spread: 18.3°
Horizontal Beam Spread: 18.2°

Tested on 11/20/2025

Polar Candela Distribution



Beam Width: 20°



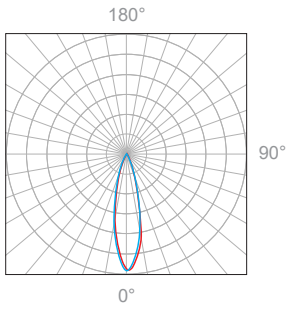
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	732fc	1.1ft	0.33m	1.1ft	0.33m
6.0ft	1.83m	183fc	2.1ft	0.64m	2.1ft	0.64m
9.0ft	2.74m	81.3fc	3.2ft	0.97m	3.2ft	0.97m
12.0ft	3.65m	45.8fc	4.2ft	1.28m	4.2ft	1.28m
15.0ft	4.57m	29.3fc	5.3ft	1.61m	5.3ft	1.61m
18.0ft	5.48m	20.3fc	6.3ft	1.92m	6.3ft	1.92m

Delivered Lumen: 1102.2 lm
Vertical Beam Spread: 20°
Horizontal Beam Spread: 20°

Tested on 11/20/2025

Polar Candela Distribution



Beam Width: 26°



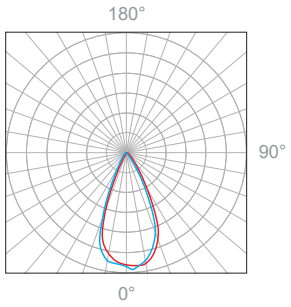
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	423fc	1.5ft	0.46m	1.5ft	0.46m
6.0ft	1.83m	106fc	2.9ft	0.88m	2.9ft	0.88m
9.0ft	2.74m	47.0fc	4.4ft	1.34m	4.4ft	1.34m
12.0ft	3.65m	26.4fc	5.8ft	1.77m	5.8ft	1.77m
15.0ft	4.57m	16.9fc	7.3ft	2.22m	7.3ft	2.22m
18.0ft	5.48m	11.7fc	8.8ft	2.68m	8.7ft	2.65m

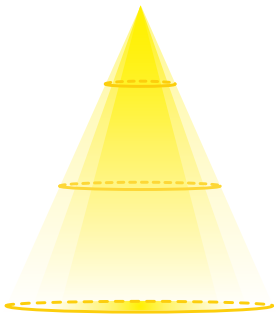
Delivered Lumen: 1079.0 lm
Vertical Beam Spread: 27.4°
Horizontal Beam Spread: 27.2°

Tested on 11/20/2025

Polar Candela Distribution



Beam Width: 45°



Illuminance at a Distance

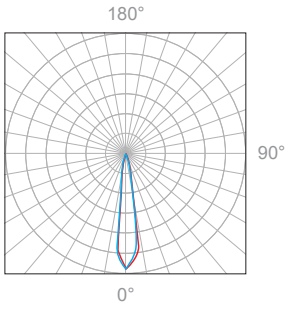
Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	189fc	2.4ft	0.73m	2.4ft	0.73m
6.0ft	1.83m	47.3fc	4.7ft	1.43m	4.8ft	1.46m
9.0ft	2.74m	21.0fc	7.1ft	2.16m	7.1ft	2.16m
12.0ft	3.65m	11.8fc	9.5ft	2.89m	9.5ft	2.89m
15.0ft	4.57m	7.57fc	11.9ft	3.63m	11.9ft	3.63m
18.0ft	5.48m	5.26fc	14.2ft	4.32m	14.3ft	4.36m

Delivered Lumen: 991.5 lm
Vertical Beam Spread: 43.1°
Horizontal Beam Spread: 43.3°

Tested on 11/20/2025

13W, Warm Dimming, Frosted Finish

Polar Candela Distribution



Beam Width: 15°



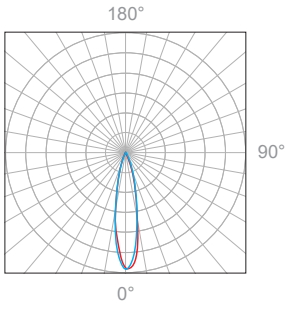
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	641fc	0.8ft	0.24m	0.8ft	0.24m
6.0ft	1.83m	160fc	1.6ft	0.48m	1.5ft	0.45m
9.0ft	2.74m	71.2fc	2.4ft	0.73m	2.3ft	0.70m
12.0ft	3.65m	40.0fc	3.2ft	0.97m	3.1ft	0.94m
15.0ft	4.57m	25.6fc	4.0ft	1.21m	3.9ft	1.18m
18.0ft	5.48m	17.8fc	4.8ft	1.46m	4.6ft	1.40m

Delivered Lumen: 668.6 lm
Vertical Beam Spread: 15.1°
Horizontal Beam Spread: 14.7°

Tested on 11/20/2025

Polar Candela Distribution



Beam Width: 20°



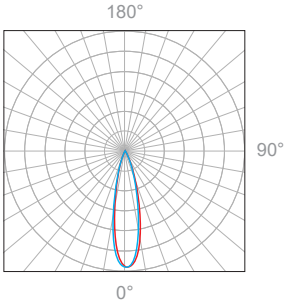
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	520fc	0.9ft	0.27m	0.9ft	0.27m
6.0ft	1.83m	130fc	1.8ft	0.54m	1.9ft	0.57m
9.0ft	2.74m	57.8fc	2.7ft	0.82m	2.8ft	0.85m
12.0ft	3.65m	32.5fc	3.6ft	1.09m	3.7ft	1.12m
15.0ft	4.57m	20.8fc	4.5ft	1.37m	4.6ft	1.40m
18.0ft	5.48m	14 .5fc	5.4ft	1.64m	5.6ft	1.70m

Delivered Lumen: 669.8 lm
Vertical Beam Spread: 17.1°
Horizontal Beam Spread: 17.6°

Tested on 11/20/2025

Polar Candela Distribution



Beam Width: 26°



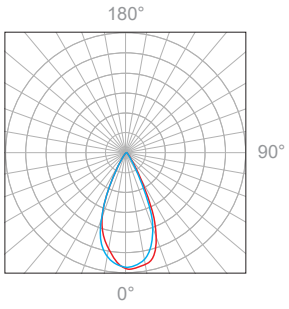
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	272fc	1.4ft	0.42m	1.4ft	0.42m
6.0ft	1.83m	68.0fc	2.8ft	0.85m	2.7ft	0.82m
9.0ft	2.74m	30.2fc	4.2ft	1.28m	4.1ft	1.25m
12.0ft	3.65m	17.0fc	5.6ft	1.70m	5.4ft	1.64m
15.0ft	4.57m	10.9fc	7.0ft	2.13m	6.8ft	2.07m
18.0ft	5.48m	7.56fc	8.4ft	2.56m	8.1ft	2.46m

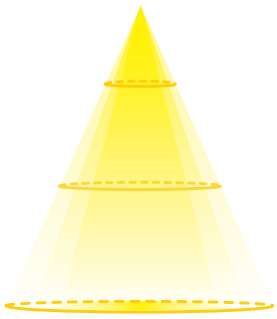
Delivered Lumen: 659.3 lm
Vertical Beam Spread: 26.4°
Horizontal Beam Spread: 25.5°

Tested on 11/20/2025

Polar Candela Distribution



Beam Width: 45°



Illuminance at a Distance

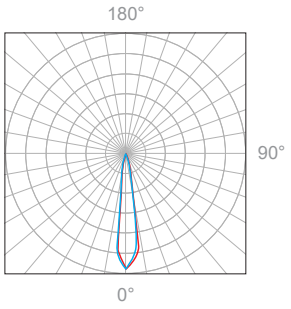
Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	117fc	2.3ft	0.70m	2.3ft	0.70m
6.0ft	1.83m	29.3fc	4.6ft	1.40m	4.7ft	1.43m
9.0ft	2.74m	13.0fc	6.9ft	2.10m	7.0ft	2.13m
12.0ft	3.65m	7.34fc	9.2ft	2.80m	9.3ft	2.83m
15.0ft	4.57m	4.69fc	11.5ft	3.50m	11.7ft	3.56m
18.0ft	5.48m	3.26fc	13.8ft	4.20m	14.0ft	4.26m

Delivered Lumen: 623.9 lm
Vertical Beam Spread: 41.9°
Horizontal Beam Spread: 42.5°

Tested on 11/20/2025

13W, Warm Dimming, Matte Clear Anodized Finish

Polar Candela Distribution



Beam Width: 15°



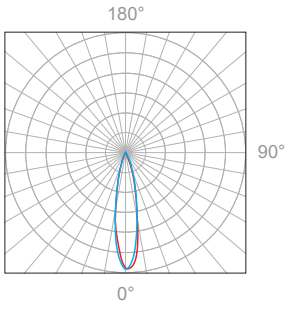
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	672fc	0.8ft	0.24m	0.8ft	0.24m
6.0ft	1.83m	168fc	1.6ft	0.48m	1.6ft	0.48m
9.0ft	2.74m	74.6fc	2.3ft	0.70m	2.3ft	0.70m
12.0ft	3.65m	42.0fc	3.1ft	0.94m	3.1ft	0.94m
15.0ft	4.57m	26.9fc	3.9ft	1.18m	3.9ft	1.18m
18.0ft	5.48m	18.7fc	4.7ft	1.43m	4.7ft	1.43m

Delivered Lumen: 680.2 lm
Vertical Beam Spread: 14.8°
Horizontal Beam Spread: 14.8°

Tested on 11/20/2025

Polar Candela Distribution



Beam Width: 20°



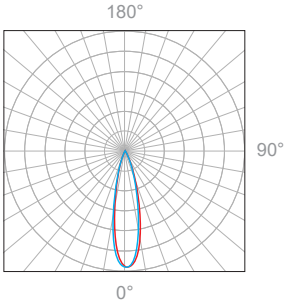
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	525fc	0.9ft	0.27m	0.9ft	0.27m
6.0ft	1.83m	131fc	1.8ft	0.54m	1.8ft	0.54m
9.0ft	2.74m	58.3fc	2.8ft	0.85m	2.8ft	0.85m
12.0ft	3.65m	32.8fc	3.7ft	1.12m	3.7ft	1.12m
15.0ft	4.57m	21.0fc	4.6ft	1.40m	4.6ft	1.40m
18.0ft	5.48m	14.6fc	5.5ft	1.67m	5.5ft	1.67m

Delivered Lumen: 658.7 lm
Vertical Beam Spread: 17.5°
Horizontal Beam Spread: 17.4°

Tested on 11/20/2025

Polar Candela Distribution



Beam Width: 26°



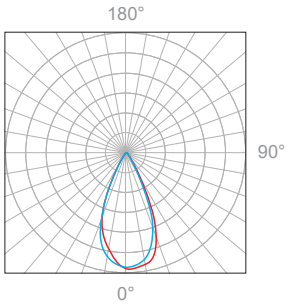
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	275fc	1.4ft	0.42m	1.4ft	0.42m
6.0ft	1.83m	68.7fc	2.8ft	0.85m	2.8ft	0.85m
9.0ft	2.74m	30.5fc	4.2ft	1.28m	4.1ft	1.25m
12.0ft	3.65m	17.2fc	5.6ft	1.70m	5.5ft	1.67m
15.0ft	4.57m	11.0fc	7.1ft	2.16m	6.9ft	2.10m
18.0ft	5.48m	7.64fc	8.5ft	2.59m	8.3ft	2.52m

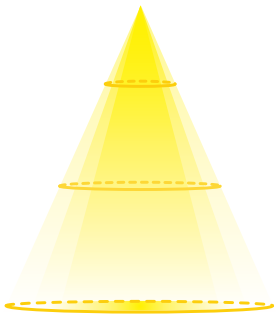
Delivered Lumen: 656.3 lm
Vertical Beam Spread: 26.5°
Horizontal Beam Spread: 25.9°

Tested on 11/20/2025

Polar Candela Distribution



Beam Width: 45°



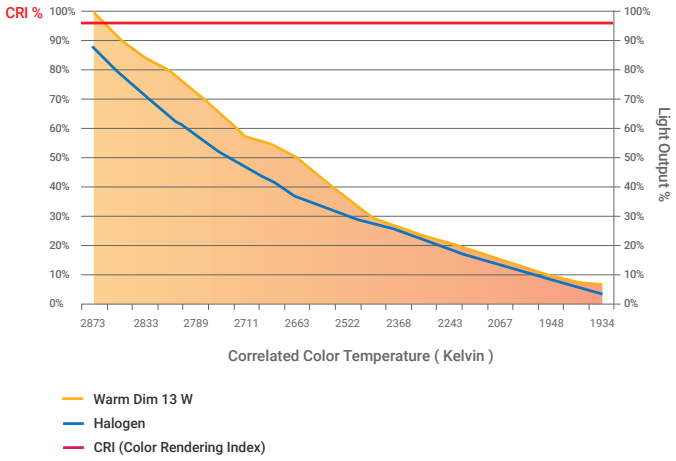
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	121fc	2.3ft	0.70m	2.3ft	0.70m
6.0ft	1.83m	30.3fc	4.6ft	1.40m	4.6ft	1.40m
9.0ft	2.74m	13.5fc	7.0ft	2.13m	6.9ft	2.10m
12.0ft	3.65m	7.57fc	9.3ft	2.83m	9.3ft	2.83m
15.0ft	4.57m	4.84fc	11.6ft	3.53m	11.6ft	3.53m
18.0ft	5.48m	3.36fc	13.9ft	4.23m	13.9ft	4.23m

Delivered Lumen: 593.2 lm
Vertical Beam Spread: 42.4°
Horizontal Beam Spread: 42.2°

Tested on 11/20/2025

Warm Dimming VS. Halogen

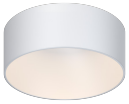


Appendix

Trim Finishes

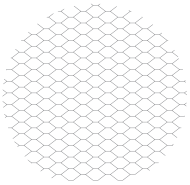


F frosted



MA matte clear anodized

Accessories



ACCS-ELB eggcrate louver, black