L155

EXTERIOR | INTERIOR

Surface Mount Downlights | For under benches or stair treads

- Wet, Damp, and Dry location



Ordering Information

Clear Form

Date : _____

Project : _____

Type : _____

Quantity : _____

Note : _____

Specifications

Luminaire | Example Code: L155-4-W30H-S-N-MA

Product	Wattage	CCT & CRI [1]	Wiring Placement	Beam Angle	Finish [2]
L155					
	2 2W	**Standard (80+) CRI:** **W22S** 2200K 80+ **High (90+) CRI:** **W27H** 2700K 90+ **W30H** 3000K 90+ **W35H** 3500K 90+ **W40H** 4000K 90+	**S** side **B** bottom	**S** spot 12° **N** narrow flood 30° **E1** elliptical 18°+ 47°	**Aluminum Finishes:** **MA** matte clear anodized **BA** black anodized

Product	Wattage	CCT & CRI [1]	Wiring Placement	Beam Angle	Finish [2]
L155					
	4 4W	**W27H** 2700K 90+ **W30H** 3000K 90+	**S** side **B** bottom	**S** spot 12° **N** narrow flood 30° **E1** elliptical 18°+ 47°	**Aluminum Finishes:** **MA** matte clear anodized **BA** black anodized

System Components (Ordered Separately)

Remote Driver : _____

Control System : _____

On/Off | Dimming ELV or 0-10 dimming
Other options (consult factory) TRIAC/MLV, DMX, DALI, Casambi

Important Notes

Specification

1. *Refer to pg.02 - Light Quality & Colour Consistency details.*
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.

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Performance

Wattage	Forward Current	Power Consumption Budget per fixture (including driver)	LED output (Source)	Fixture Output (Delivered)
2W	700mA	2.5W	220 lm	150.8-186.5 lm
4W	350mA	5W	440 lm	283.1-348.4 lm

Application

Environment	Wet, Damp, Dry Location approved. IP 66.
Mounting	**Surface-mounted:** Mounts directly to surface with two screws. Comes with 3' (914mm) wire lead.

Electrical

LED Light Source	**W22S =** CCT: 2200K, CRI (Ra): 80+, Colour Consistency: 3SDCM **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 **W40H =** CCT: 4000K, CRI (Ra): 90+, Colour Consistency: 2SDCM
Power Supplies	Remote LED drivers (120-277V AC input, **constant current output):** fixtures to be wired in series.
Control	**On/off control** **Dimming:** ELV or 0-10V dimming with appropriate drivers. **Other options (consult factory):** TRIAC/MLV, DMX, DALI, Casambi.

Luminaire Construction

Weight	N/A
Material	**Fixture:** machined marine-grade aluminum with PMMA lens
Supplied with	Comes with two screws and a 3' (914mm) factory-installed wire lead.
Warranty & LED Life	5 years limited warranty. Estimated useful life of LED is 50,000 hours.

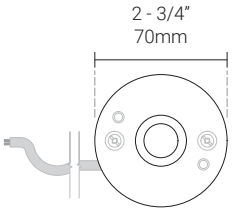
Ordered Separately

System Components	**Power supplies:** remote driver. Please consult factory or visit Recommended Drivers for available driver options.

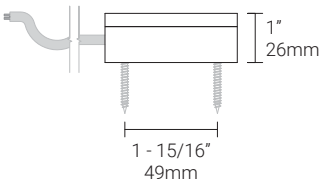
Mounting Options & Dimensions

Fixture Dimensions

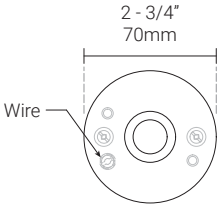
Side Wiring | Top View



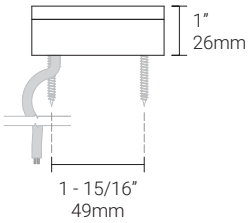
Side Wiring | Front View



Bottom Wiring | Top View

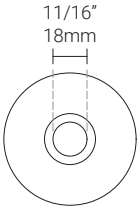


Bottom Wiring | Front View



Fixture Dimensions | Lens Options

E1 Elliptical



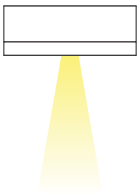
Fixture Dimensions | 3D View

Fixture



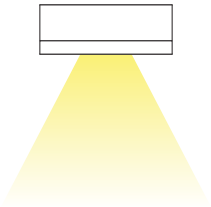
Fixture Dimensions | Beam 12°

Side View



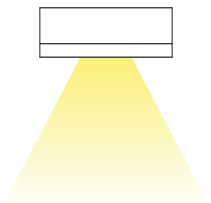
Fixture Dimensions | Beam 30°

Side View

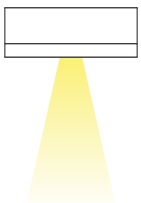


Fixture Dimensions | Beam E1: 18° + 47°

Front View

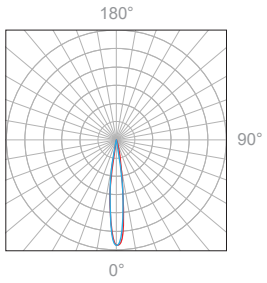


Side View



2W, 3000K, 90+ CRI

Polar Candela Distribution



Beam Width: 12°

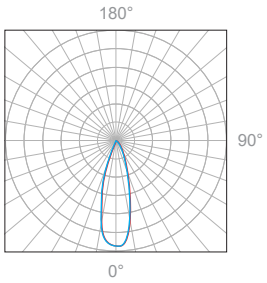


Illuminance at a Distance

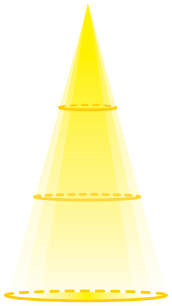
Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	950fc	0.3ft	0.09m	0.3ft	0.09m
3.0ft	0.91m	238fc	0.7ft	0.21m	0.7ft	0.21m
4.5ft	1.37m	106fc	1.0ft	0.30m	1.0ft	0.30m
6.0ft	1.83m	59.4fc	1.4ft	0.42m	1.4ft	0.42m
7.5ft	2.29m	38fc	1.7ft	0.52m	1.7ft	0.52m
9.0ft	2.74m	26.4fc	2.1ft	0.64m	2.1ft	0.64m

Delivered Lumen: 186.5 lm
Vertical Beam Spread: 13.1°
Horizontal Beam Spread: 13.3°

Polar Candela Distribution



Beam Width: 30°



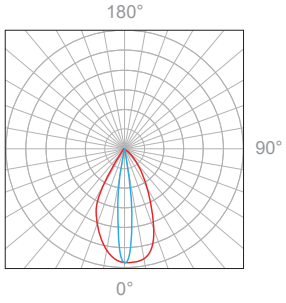
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	228fc	0.8ft	0.24m	0.8ft	0.24m
3.0ft	0.91m	57fc	1.7ft	0.51m	1.7ft	0.54m
4.5ft	1.37m	25.3fc	2.5ft	0.76m	2.5ft	0.76m
6.0ft	1.83m	14.2fc	3.4ft	1.03m	3.4ft	1.03m
7.5ft	2.29m	9.12fc	4.2ft	1.28m	4.2ft	1.28m
9.0ft	2.74m	6.33fc	5.1ft	1.55m	5.0ft	1.52m

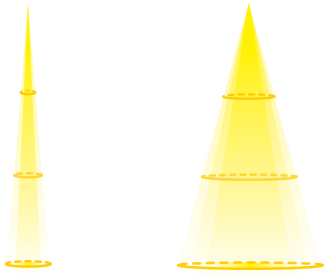
Delivered Lumen: 172.5 lm
Vertical Beam Spread: 31.6°
Horizontal Beam Spread: 31.3°

2W, 3000K, 90+ CRI | Elliptical beam 1

Polar Candela Distribution



Beam Width: 18°+ 47°



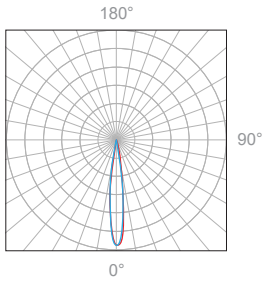
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	174fc	0.5ft	0.15m	1.2ft	0.36m
3.0ft	0.91m	43.4fc	0.9ft	0.27m	2.3ft	0.70m
4.5ft	1.37m	19.3fc	1.4ft	0.42m	3.5ft	1.06m
6.0ft	1.83m	10.9fc	1.8ft	0.55m	4.7ft	1.58m
7.5ft	2.29m	6.95fc	2.3ft	0.70m	5.8ft	1.76m
9.0ft	2.74m	4.82fc	2.8ft	0.85m	7.0ft	2.13m

Delivered Lumen: 150.8 lm
Vertical Beam Spread: 17.6°
Horizontal Beam Spread: 42.5°

4W, 3000K, 90+ CRI

Polar Candela Distribution



Beam Width: 12°



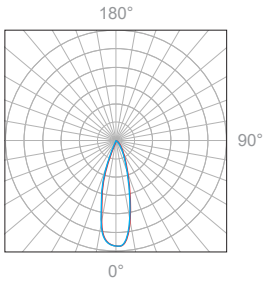
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	1,246fc	0.4ft	0.12m	0.4ft	0.12m
3.0ft	0.91m	311fc	0.9ft	0.27m	0.8ft	0.24m
4.5ft	1.37m	138fc	1.3ft	0.39m	1.3ft	0.39m
6.0ft	1.83m	77.8fc	1.8ft	0.54m	1.7ft	0.51m
7.5ft	2.29m	49.8fc	2.2ft	0.67m	2.1ft	0.64m
9.0ft	2.74m	34.6fc	2.7ft	0.82m	2.5ft	0.76m

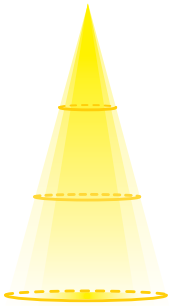
Delivered Lumen: 348.4 lm
Vertical Beam Spread: 16.8°
Horizontal Beam Spread: 16.0°

Tested on 10/10/2025

Polar Candela Distribution



Beam Width: 30°



Illuminance at a Distance

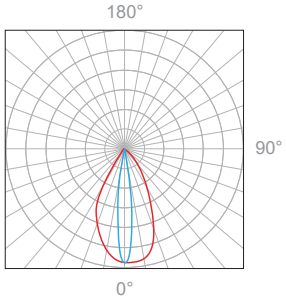
Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	432fc	0.9ft	0.27m	0.9ft	0.27m
3.0ft	0.91m	108fc	1.7ft	0.51m	1.7ft	0.51m
4.5ft	1.37m	48.0fc	2.6ft	0.79m	2.6ft	0.79m
6.0ft	1.83m	27.0fc	3.4ft	1.03m	3.4ft	1.03m
7.5ft	2.29m	17.3fc	4.3ft	1.31m	4.3ft	1.31m
9.0ft	2.74m	12.0fc	5.2ft	1.58m	5.1ft	1.55m

Delivered Lumen: 342.5 lm
Vertical Beam Spread: 32.0°
Horizontal Beam Spread: 31.8°

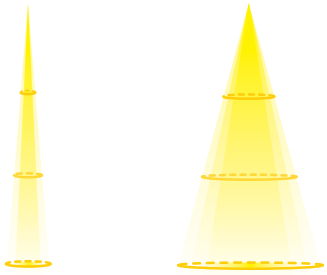
Tested on 10/10/2025

4W, 3000K, 90+ CRI | Elliptical beam 1

Polar Candela Distribution



Beam Width: 18°+ 47°



Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	333fc	0.6ft	0.18m	1.2ft	0.36m
3.0ft	0.91m	83.2fc	1.1ft	0.33m	2.4ft	0.73m
4.5ft	1.37m	37.0fc	1.7ft	0.51m	3.6ft	1.09m
6.0ft	1.83m	20.8fc	2.3ft	0.70m	4.8ft	1.46m
7.5ft	2.29m	13.3fc	2.8ft	0.85m	6.0ft	1.82m
9.0ft	2.74m	9.25fc	3.4ft	1.03m	7.2ft	2.19m

Delivered Lumen: 283.1 lm
Vertical Beam Spread: 21.3°
Horizontal Beam Spread: 43.5°

Tested on 10/10/2025

Appendix

Aluminum Finishes



MA matte clear anodized



BA black anodized