

# L155

EXTERIOR | INTERIOR

Surface Mount Downlights | For under benches or stair treads

- Wet, Damp, and Dry location



## Ordering Information

Clear Form

Date :	_____	Quantity :	_____
Project :	_____	Note :	_____
Type :	_____		_____

## Specifications

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

Product	Wattage	CCT & CRI <sup>1</sup>	Wiring Placement	Beam Angle	Finish <sup>2</sup>
L155	2				
	2 2W	<b>Standard (80+) CRI:</b> W22S 2200K 80+  <b>High (90+) CRI:</b> W27H 2700K 90+ W30H 3000K 90+ W35H 3500K 90+ W41H 4100K 90+	S side B bottom	S spot 12° N narrow flood 30° E1 elliptical 18°+ 47°	<b>Aluminum Finishes:</b> MA matte clear anodized BA black anodized

## System Components (Ordered Separately)

Remote Driver :	_____	Control System :	_____
			<b>On/Off   Dimming</b> ELV or 0-10 dimming <b>Other options (consult factory)</b> TRIAC/MLV, DMX, DALI, Casambi, PoE

## Important Notes

### Specification

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

## Application

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

## Electrical

LED Light Source	<b>W22S</b> = CCT: 2200K, CRI (Ra): 80+, Colour Consistency: 3SDCM <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>W41H</b> = CCT: 4100K, CRI (Ra): 90+, Colour Consistency: 3SDCM
Power Supplies	Remote LED drivers (120-277V AC input, <b>constant current output</b> ): fixtures to be wired in series.
Control	<b>On/off control</b> <b>Dimming:</b> ELV or 0-10V dimming with appropriate drivers. <b>Other options (consult factory):</b> TRIAC/MLV, DMX, DALI, Casambi, Power over Ethernet.

## Luminaire Construction

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

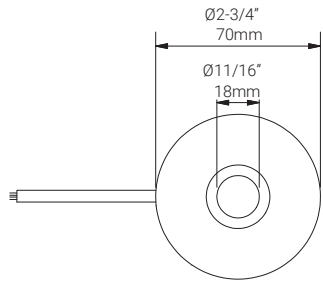
## Ordered Separately

System Components	<b>Power supplies:</b> remote driver. Please consult factory or visit <a href="#">Recommended Drivers</a> for available driver options.
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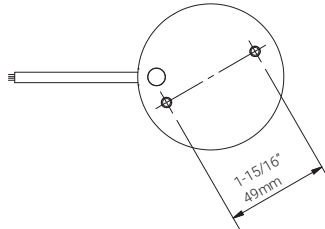
Mounting Options & Dimensions

LED Insert Dimensions

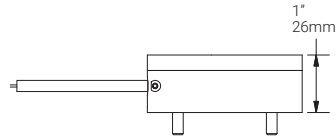
Fixture



Side View



Top View

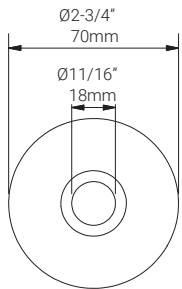


3D View

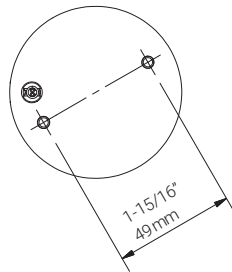


LED Insert Dimensions

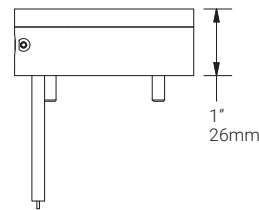
Fixture



Side View



Top View

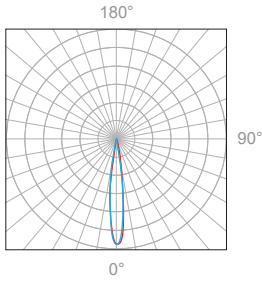


3D View



2W, 3000K, 90+ CRI

Polar Candela Distribution



Beam Width: 12°

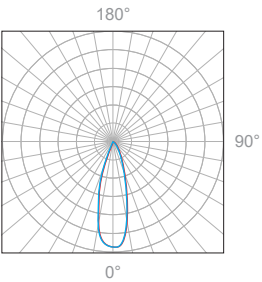


Illuminance at a Distance

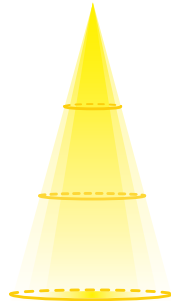
Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	950fc	0.3ft	0.09m	0.3ft	0.09m
3.0ft	0.91m	238fc	0.7ft	0.21m	0.7ft	0.21m
4.5ft	1.37m	106fc	1.0ft	0.30m	1.0ft	0.30m
6.0ft	1.83m	59.4fc	1.4ft	0.42m	1.4ft	0.42m
7.5ft	2.29m	38fc	1.7ft	0.52m	1.7ft	0.52m
9.0ft	2.74m	26.4fc	2.1ft	0.64m	2.1ft	0.64m

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

Polar Candela Distribution



Beam Width: 30°



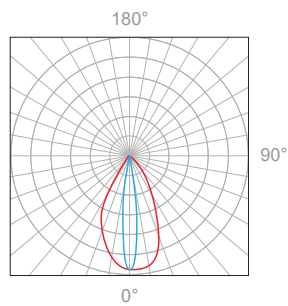
Illuminance at a Distance

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

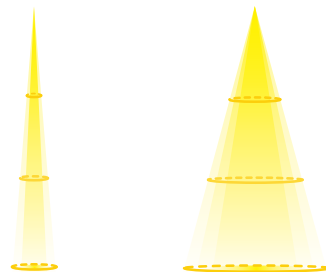
Delivered Lumen: 172.5 lm  
 ■ Vertical Beam Spread: 31.6°  
 ■ Horizontal Beam Spread: 31.3°

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°

Appendix

Aluminum Finishes



MA matte clear anodized



BA black anodized