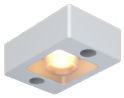
[MP LIGHTING]

L154

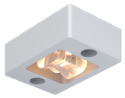
EXTERIOR | INTERIOR

Surface Mount Downlights | For under benches or stair treads

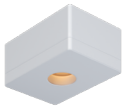
- Wet, Damp, and Dry location



shown with round lens



shown with ribbon lens
not available with C (cover)



shown with C (cover)

Ordering Information

Clear Form

Date : _____

Project : _____

Type : _____

Quantity : _____

Note : _____

Specifications

Luminaire | Example Code: L154-4-W30H-S-N-[ ]-MA

Product	Wattage	CCT & CRI [1]	Wiring Placement [2]	Beam Angle [2]	Accessories (optional)	Finish [4]
L154	**2**					
	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° **E2** elliptical 10°+ 170° [3] **T2** Type II, Lateral Width 25° **T3** Type III, Lateral Width 40° **T4** Type IV, Lateral Width 60°	**C** cover (not compatible with T2, T3, T4, and E2)	**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, PoE

Important Notes

Specification

1. *Refer to pg.02 - Light Quality & Colour Consistency details.*
2. *Adding a cover changes the Elliptical Beam for this Luminaire. Shown in the table are the angles without cover interference. With cover the Elliptical Beam is 18° + 43°.*
3. *E2 beam angle is not compatible with Cover accessory.*
4. *Refer to Appendix or MP Lighting website for complete look of luminaire with different finish options.*

Warranty Notes & Disclaimer

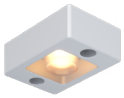
Malfunction and damage to product due to incompatible dimming system or misuse will not be covered under warranty. Consult MP Lighting for recommended drivers. If the fixture has an option to be installed with a dimming control system, consult a dimming system manufacturer with minimum load before installing.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

L154

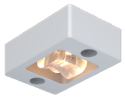
EXTERIOR | INTERIOR

Surface Mount Downlights | For under benches or stair treads

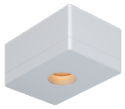
- Wet, Damp, and Dry location



shown with round lens



shown with ribbon lens
not available with C (cover)



shown with C (cover)

Performance

Wattage	Forward Current	Power Consumption Budget per fixture (including driver)	LED output (Source)	Fixture Output (Delivered)
2W	700mA	2.5W	220 lm	150-216 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, Power over Ethernet.

Luminaire Construction

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

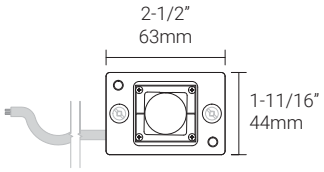
Ordered Separately

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

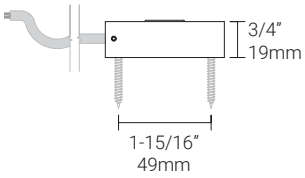
Mounting Options & Dimensions

Fixture Dimensions

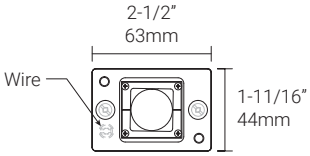
Side Wiring | Top View



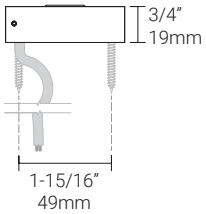
Side Wiring | Front View



Bottom Wiring | Top View

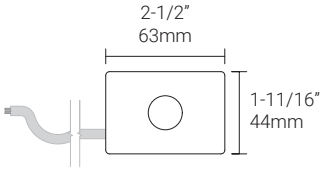


Bottom Wiring | Front View

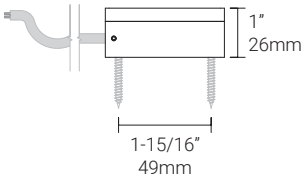


Fixture Dimensions | Shown with Cover

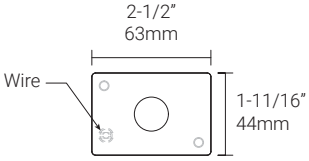
Side Wiring | Top View



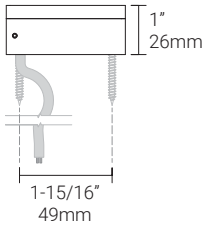
Side Wiring | Front View



Bottom Wiring | Top View

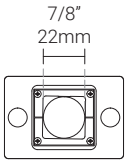


Bottom Wiring | Front View

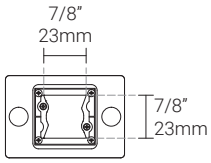


Fixture Dimensions | Lens Options

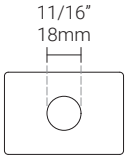
Round Lens



Ribbon Lens

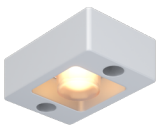


Cover

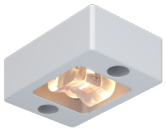


Fixture Dimensions | 3D View

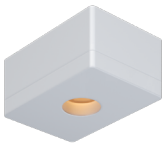
Round Lens



Ribbon Lens



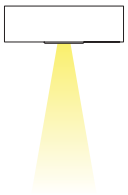
Cover



Mounting Options & Dimensions

Fixture Dimensions | Beam 12°

Front View

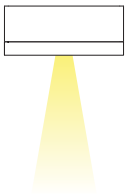


Side View

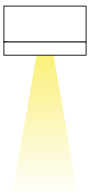


Fixture Dimensions | Beam 12° - Shown with Cover

Front View

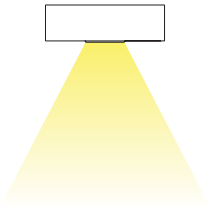


Side View

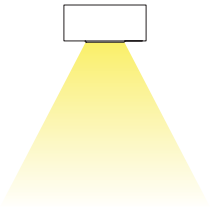


Fixture Dimensions | Beam 30°

Front View

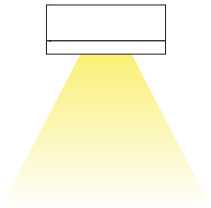


Side View

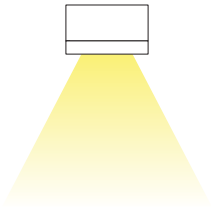


Fixture Dimensions | Beam 30° - Shown with Cover

Front View

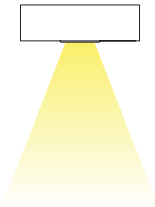


Side View



Fixture Dimensions | Beam E1: 18° + 47°

Front View

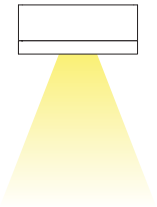


Side View

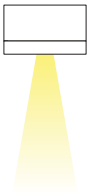


Fixture Dimensions | Beam E1: 18° + 43° - Shown with Cover

Front View

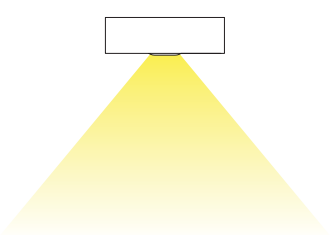


Side View



Fixture Dimensions | Beam E2: 10° + 170°

Front View

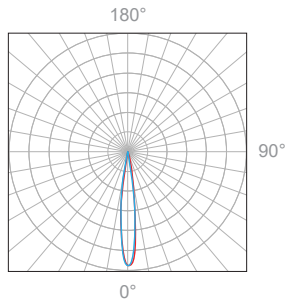


Side View



2W, 3000K, 90+ CRI, without cover

Polar Candela Distribution



Beam Width: 12°

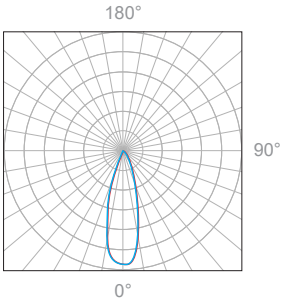


Illuminance at a Distance

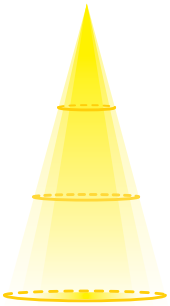
Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	1031fc	0.3ft	0.09m	0.3ft	0.09m
3.0ft	0.91m	258fc	0.7ft	0.21m	0.7ft	0.21m
4.5ft	1.37m	115fc	1.0ft	0.30m	1.0ft	0.30m
6.0ft	1.83m	64.4fc	1.4ft	0.42m	1.4ft	0.42m
7.5ft	2.29m	41.2fc	1.7ft	0.52m	1.7ft	0.52m
9.0ft	2.74m	28.6fc	2.1ft	0.64m	2.1ft	0.64m

Delivered Lumen: 215.1 lm
Vertical Beam Spread: 13.1°
Horizontal Beam Spread: 13.2°

Polar Candela Distribution



Beam Width: 30°



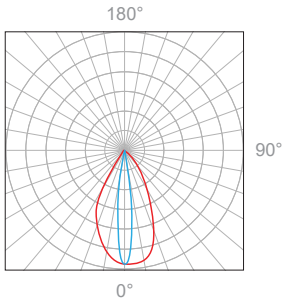
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	239fc	0.8ft	0.24m	0.8ft	0.24m
3.0ft	0.91m	59.8fc	1.6ft	0.48m	1.6ft	0.48m
4.5ft	1.37m	26.6fc	2.5ft	0.76m	2.4ft	0.73m
6.0ft	1.83m	15.0fc	3.3ft	1.00m	3.3ft	1.00m
7.5ft	2.29m	9.58fc	4.1ft	1.25m	4.1ft	1.25m
9.0ft	2.74m	6.65fc	4.9ft	1.49m	4.9ft	1.49m

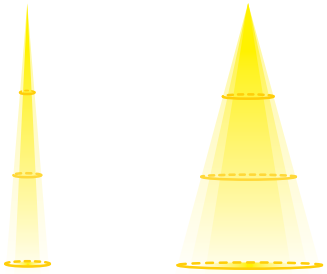
Delivered Lumen: 175.5 lm
Vertical Beam Spread: 30.7°
Horizontal Beam Spread: 30.4°

2W, 3000K, 90+ CRI, without cover | Elliptical beam 1

Polar Candela Distribution



Beam Width: 18°+ 47°



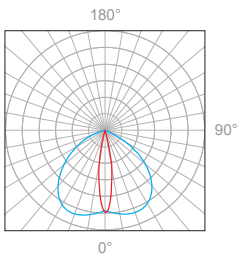
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	180fc	0.5ft	0.15m	1.3ft	0.39m
3.0ft	0.91m	45fc	0.9ft	0.27m	2.6ft	0.79m
4.5ft	1.37m	20fc	1.4ft	0.42m	3.9ft	1.18m
6.0ft	1.83m	11.3fc	1.9ft	0.58m	5.2ft	1.58m
7.5ft	2.29m	7.2fc	2.3ft	0.70m	6.5ft	1.98m
9.0ft	2.74m	5.0fc	2.8ft	0.85m	7.8ft	2.03m

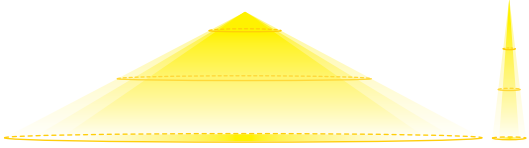
Delivered Lumen: 150.8 lm
Vertical Beam Spread: 17.6°
Horizontal Beam Spread: 46.8°

2W, 3000K, 90+ CRI, without cover | Elliptical beam 2

Polar Candela Distribution



Beam Width: 10° + 170°



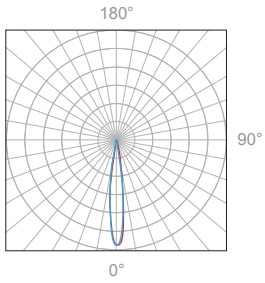
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	101fc	3.2ft	0.97m	0.4ft	0.12m
3.0ft	0.91m	25.2fc	6.4ft	1.95m	0.8ft	0.24m
4.5ft	1.37m	11.2fc	9.7ft	2.95m	1.2ft	0.36m
6.0ft	1.83m	6.30fc	12.9ft	3.93m	1.5ft	0.45m
7.5ft	2.29m	4.03fc	16.1ft	4.90m	1.9ft	0.58m
9.0ft	2.74m	2.80fc	19.3ft	5.88m	2.3ft	0.70m

Delivered Lumen: 125.5 lm
Vertical Beam Spread: 94.0°
Horizontal Beam Spread: 14.7°

2W, 3000K, 90+ CRI, with cover

Polar Candela Distribution



Beam Width: 12°

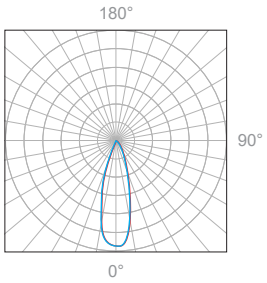


Illuminance at a Distance

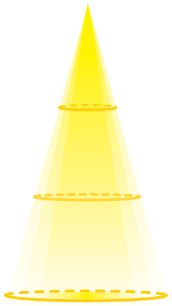
Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	950fc	0.3ft	0.09m	0.3ft	0.09m
3.0ft	0.91m	238fc	0.7ft	0.21m	0.7ft	0.21m
4.5ft	1.37m	106fc	1.0ft	0.30m	1.0ft	0.30m
6.0ft	1.83m	59.4fc	1.4ft	0.42m	1.4ft	0.42m
7.5ft	2.29m	38fc	1.7ft	0.52m	1.7ft	0.52m
9.0ft	2.74m	26.4fc	2.1ft	0.64m	2.1ft	0.64m

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

Polar Candela Distribution



Beam Width: 30°



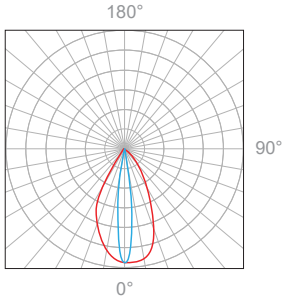
Illuminance at a Distance

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

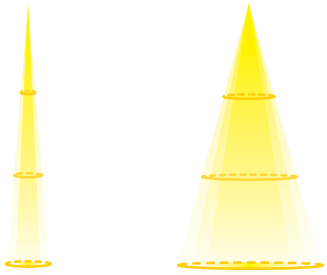
Delivered Lumen: 172.5 lm
Vertical Beam Spread: 31.6°
Horizontal Beam Spread: 31.3°

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

Polar Candela Distribution



Beam Width: 18°+ 43°



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
with **C** cover



BA black anodized
with **C** cover



MA matte clear anodized
without **C** cover



BA black anodized
without **C** cover