

L16

EXTERIOR | INTERIOR

Wall-mount | For walls, stairs, and walkways

- Wet, Damp, and Dry location



Ordering Information

Clear Form

Date : _____

Quantity : _____

Project : _____

Note : _____

Type : _____

Specifications

Luminaire | Example Code: L16-2-W30H-W-V-S6

Product	Version	CCT & CRI ¹	Beam Angle	Plate	Mounting Kit ² (optional)	Trim Finish
L16						S6
	1 1W 2 2W	W22S 2200K 80+ W27H 2700K 90+ W30H 3000K 90+ W35H 3500K 90+ W41H 4100K 90+	S spot 12° N narrow flood 30° F flood 45° W wide flood 120°	V vertical H horizontal	MK1 vertical surface	S6 stainless steel 316

System Components (Ordered Separately)

Remote Driver : _____

* Consult MP Lighting Website or Factory.

Important Notes

Specification

1. Refer to pg.2 - for Light quality and colour consistency details.
2. Mounting kit is ordered separately (consult factory). Back box must also be purchased with MK1 kit.

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)
1W	350mA	1.3W	110 lm	44-88 lm
2W	700mA	2.6W	220 lm	79-153 lm

Application

Environment	Wet / Damp / Dry Location approved. IP 66.
Mounting	Mounts to single gang box (ordered separately). Box opening: Width 2-3/8" (60.33mm) X Height 2" (50.8mm) MK1 mounting kit (optional): Recommended for easy installation on vertical surfaces (e.g. stair risers, walls). See "Mounting Options & Dimensions," or visit MK1

Electrical

Power Supplies	Non-dimmable integral driver included (100-240V AC input). Compatible with remote driver for wet locations (not included).
Control	On/off control Dimming (consult factory): ELV or 0-10V dimming with appropriate drivers Other options (consult factory): TRIAC/MLV, DMX, DALI, Casambi, Power over Ethernet

Luminaire Construction

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: 3SDCM (Contact factory for 2SDCM option) W41H = CCT: 4100K, CRI (Ra): 90+, Colour Consistency: 3SDCM
Standard Compliance	✓ADA-compliant ✓WELL standard – Feature 58: Color Quality ✓B.U.G – 0/0/0
Weight	1.83lbs (0.832kg)
Material	Fixture: Stainless steel (316)
Supplied with	Standard installation housing: Comes with LED unit with gasket, cross countersunk screws, tefon screw gaskets, and waterproof wire nuts. Driver: Non-dimmable integral driver included.
Warranty & LED Life	5 years limited warranty Estimated useful life of LED is 50,000 hours.

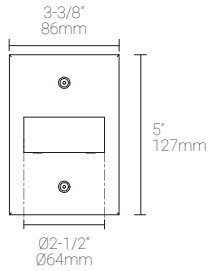
Ordered Separately

System Components	Power supplies: alternate remote driver for dimming options Please consult factory or visit Recommended Drivers for available driver options. Mounting kit: MK1 & Back box Custom rectangular back boxes: see Pg.3- Mounting Options & Dimensions.
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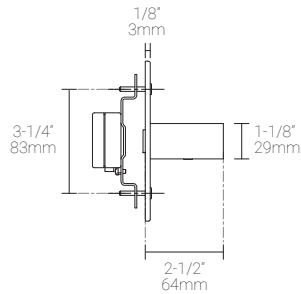
Mounting Options & Dimensions

LED Insert Dimensions

Fixture



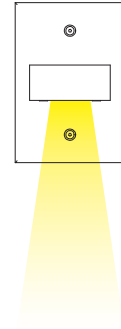
Side View



3D View



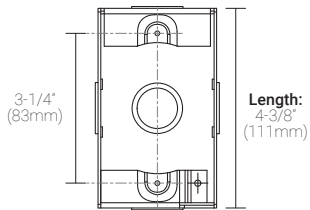
Beam



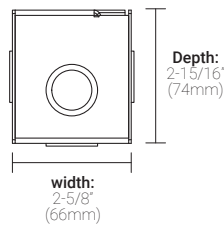
Custom Rectangular Back Boxes

MP Lighting Single Gang Back Box | Order Code: EBX-SGB1

Top View

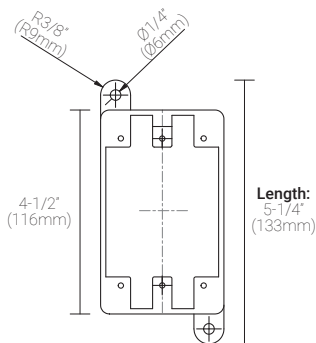


Side View

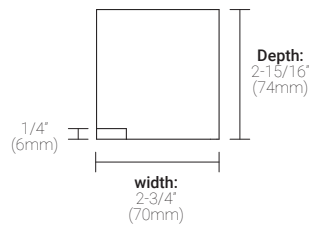


Scepter FD Back box | Order Code: EBX-SFD

Top View

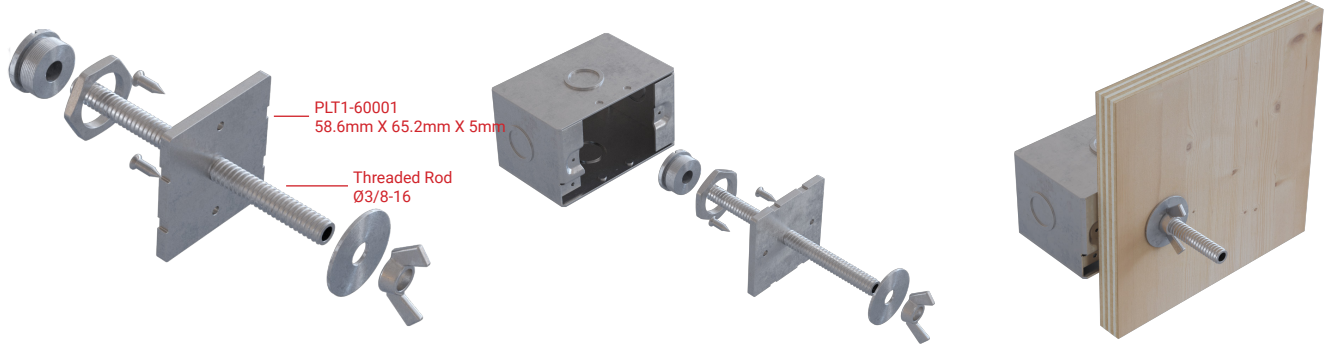


Side View



MK1 | For walls and stairs

Mounting Kit Exploding Views *(Back box not included)*

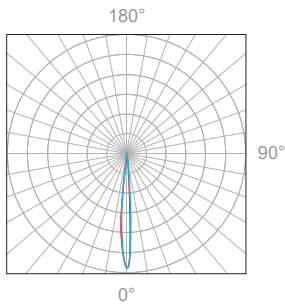


MK1-SGB1

MK1-SGB1 shown with EBX-SGB1

MK1-SGB1 shown with EBX-SGB1 and Plywood Form

Polar Candela Distribution



Beam Width: 12°

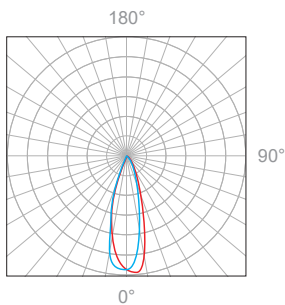


Illuminance at a Distance

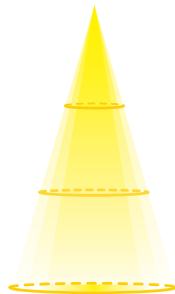
Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	70.2fc	0.9ft	0.27m	0.9ft	0.27m
6.0ft	1.83m	17.6fc	1.8ft	0.54m	1.8ft	0.54m
9.0ft	2.74m	7.80fc	2.6ft	0.79m	2.6ft	0.79m
12.0ft	3.66m	4.39fc	3.5ft	1.06m	3.5ft	1.06m
15.0ft	4.57m	2.81fc	4.4ft	1.34m	4.4ft	1.34m
18.0ft	5.49m	1.95fc	5.3ft	1.61m	5.3ft	1.61m

Delivered Lumen: 87.5 lm
 ■ Vertical Beam Spread: 16.7°
 ■ Horizontal Beam Spread: 16.7°

Polar Candela Distribution



Beam Width: 30°

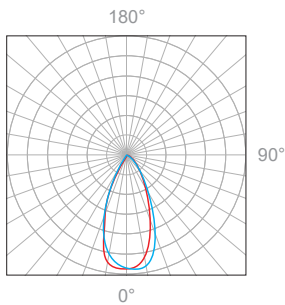


Illuminance at a Distance

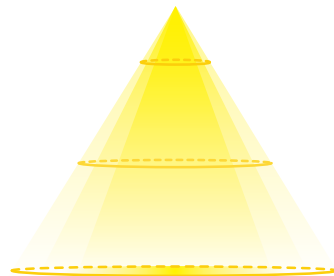
Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	27.0fc	1.5ft	0.46m	1.5ft	0.46m
6.0ft	1.83m	6.74fc	3.1ft	0.94m	3.0ft	0.91m
9.0ft	2.74m	3.00fc	4.6ft	1.40m	4.6ft	1.40m
12.0ft	3.66m	1.69fc	6.1ft	1.86m	6.1ft	1.86m
15.0ft	4.57m	1.08fc	7.7ft	2.34m	7.6ft	2.31m
18.0ft	5.49m	0.75fc	9.2ft	2.80m	9.1ft	2.77m

Delivered Lumen: 77.6 lm
 ■ Vertical Beam Spread: 28.7°
 ■ Horizontal Beam Spread: 28.4°

Polar Candela Distribution



Beam Width: 45°

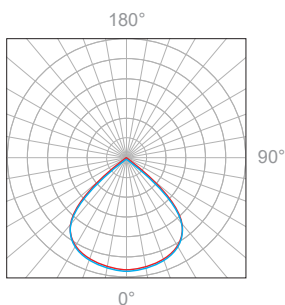


Illuminance at a Distance

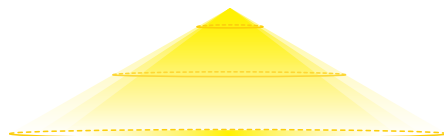
Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	12.7fc	2.6ft	0.79m	2.6ft	0.79m
6.0ft	1.83m	3.17fc	5.2ft	1.58m	5.2ft	1.58m
9.0ft	2.74m	1.41fc	7.8ft	2.37m	7.8ft	2.37m
12.0ft	3.66m	0.79fc	10.3ft	3.13m	10.4ft	3.16m
15.0ft	4.57m	0.51fc	12.9ft	3.93m	13.0ft	3.96m
18.0ft	5.49m	0.35fc	15.5ft	4.72m	15.6ft	4.75m

Delivered Lumen: 77.6 lm
 ■ Vertical Beam Spread: 46.7°
 ■ Horizontal Beam Spread: 46.9°

Polar Candela Distribution



Beam Width: 120°

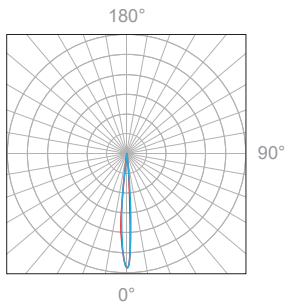


Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	4.11fc	4.5ft	1.37m	4.1ft	1.25m
6.0ft	1.83m	1.03fc	9.0ft	2.74m	8.2ft	2.50m
9.0ft	2.74m	0.46fc	13.5ft	4.11m	12.3ft	3.75m
12.0ft	3.66m	0.26fc	18.0ft	5.48m	16.3ft	4.96m
15.0ft	4.57m	0.26fc	22.4ft	6.82m	20.4ft	6.21m
18.0ft	5.49m	0.11fc	26.9ft	8.20m	24.5ft	7.46m

Delivered Lumen: 44.2 lm
 ■ Vertical Beam Spread : 73.6°
 ■ Horizontal Beam Spread : 68.5°

Polar Candela Distribution



Beam Width: 12°

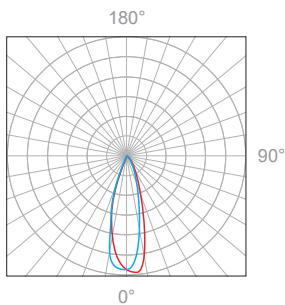


Illuminance at a Distance

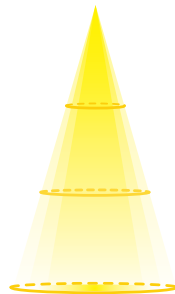
Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	124fc	0.9ft	0.27m	0.9ft	0.27m
6.0ft	1.83m	31.0fc	1.8ft	0.54m	1.8ft	0.54m
9.0ft	2.74m	13.8fc	2.6ft	0.79m	2.6ft	0.79m
12.0ft	3.66m	7.75fc	3.5ft	1.06m	3.5ft	1.06m
15.0ft	4.57m	4.96fc	4.4ft	1.34m	4.4ft	1.34m
18.0ft	5.49m	3.44fc	5.3ft	1.61m	5.3ft	1.61m

Delivered Lumen: 153.3 lm
 ■ Vertical Beam Spread: 16.7°
 ■ Horizontal Beam Spread: 16.7°

Polar Candela Distribution



Beam Width: 30°

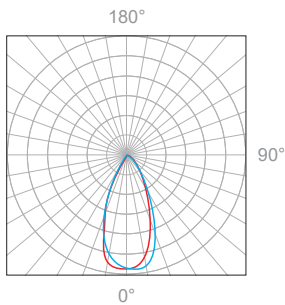


Illuminance at a Distance

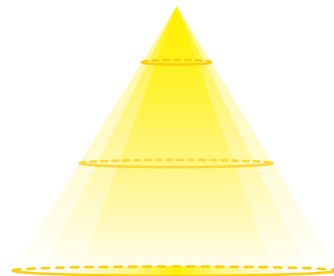
Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	48.4fc	1.5ft	0.45m	1.5ft	0.45m
6.0ft	1.83m	12.1fc	3.1ft	0.94m	3.0ft	0.91m
9.0ft	2.74m	5.38fc	4.6ft	1.40m	4.5ft	1.37m
12.0ft	3.66m	3.03fc	6.1ft	1.86m	6.1ft	1.86m
15.0ft	4.57m	1.94fc	7.7ft	2.34m	7.6ft	2.31m
18.0ft	5.49m	1.34fc	9.2ft	2.80m	9.1ft	2.77m

Delivered Lumen: 138.8 lm
 ■ Vertical Beam Spread: 28.6°
 ■ Horizontal Beam Spread: 28.3°

Polar Candela Distribution



Beam Width: 45°

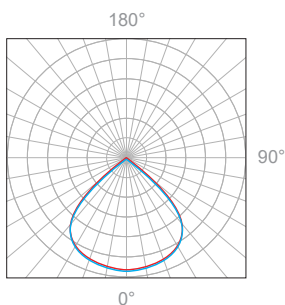


Illuminance at a Distance

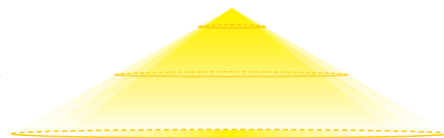
Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	22.9fc	2.6ft	0.79m	2.6ft	0.79m
6.0ft	1.83m	5.72fc	5.2ft	1.58m	5.2ft	1.58m
9.0ft	2.74m	2.54fc	7.8ft	2.37m	7.8ft	2.37m
12.0ft	3.66m	1.43fc	10.4ft	3.16m	10.4ft	3.16m
15.0ft	4.57m	0.91fc	13.0ft	3.96m	13.0ft	3.96m
18.0ft	5.49m	0.64fc	15.6ft	4.75m	15.7ft	4.78m

Delivered Lumen: 139.8 lm
 ■ Vertical Beam Spread: 46.9°
 ■ Horizontal Beam Spread: 47°

Polar Candela Distribution



Beam Width: 120°



Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	7.50fc	4.5ft	1.37m	4.1ft	1.25m
6.0ft	1.83m	1.88fc	8.9ft	2.71m	8.1ft	2.46m
9.0ft	2.74m	0.83fc	13.4ft	4.08m	12.2ft	3.71m
12.0ft	3.66m	0.47fc	17.9ft	5.45m	16.2ft	4.93m
15.0ft	4.57m	0.30fc	22.3ft	6.79m	20.3ft	6.18m
18.0ft	5.49m	0.21fc	26.8ft	8.16m	24.4ft	7.43m

Delivered Lumen: 79.2 lm
 ■ Vertical Beam Spread : 73.3°
 ■ Horizontal Beam Spread : 68.2°