L46

EXTERIOR | INTERIOR

Steplight | For walls, stairs, and walkways.

- Wet, Damp, and Dry location

Engraving Option

Ordering Information

Clear Form

Date : _____

Project : _____

Type : _____

Quantity : _____

Note : _____

Specifications

Luminaire | Example Code: L46-3-W30H-MK1-S6

Product	Version	CCT & CRI	Mounting Kit [1] (optional)	Engraving (optional)	Finish [2]
L46					
	3 3W **6** 6W	**W22S** 2200K 80+ **W27H** 2700K 90+ **W30H** 3000K 90+ **W35H** 3500K 90+ **W40H** 4000K 90+	**MK1** vertical surface	**E** engraving	**Aluminum Finishes:** **MA** matte clear anodized **BK** black powder coated **WH** white powder coated **BZ** bronze powder coated **Stainless Steel Finish:** **S6** stainless steel 316L

System Components (Ordered Separately)

Remote Driver : _____

* Consult MP Lighting Website or Factory.

Important Notes

Specifications

1. *Mounting kit is ordered separately (consult factory). Back box must also be purchased with MK1 kit.*
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)
3W	350mA	4W	330 lm	43.9 lm
6W	700mA	8W	660 lm	87.8 lm

Application

Environment	Dry / Damp / Wet Location approved. IP 66.
Mounting	Mounts to horizontal oriented single gang box. **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.

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: 2SDCM **W40H =** CCT: 4000K, CRI (Ra): 90+, Colour Consistency: 2SDCM
Weight	1.5 lbs (0.68 kg). Typical Aluminum Fixture.
Material	Machined marine-grade aluminum or machined stainless steel (316L) with tempered glass.
Supplied with	**Driver:** Non-dimmable integral driver included.
Warranty & LED Life	5 years limited warranty Estimated useful life of LED is 50,000 hours.

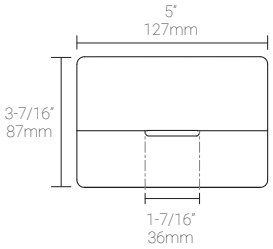
Ordered Separately

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 back boxes:** see Pg.3- Mounting Options & Dimensions.

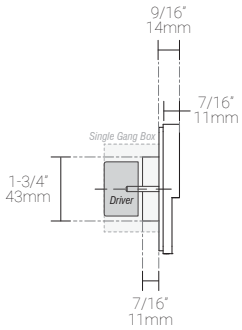
Mounting Options & Dimensions

LED Insert Dimensions

Fixture

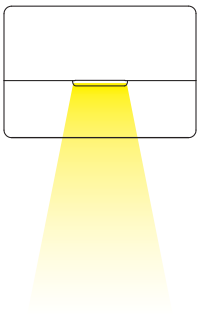


Side View



3D View

Beam

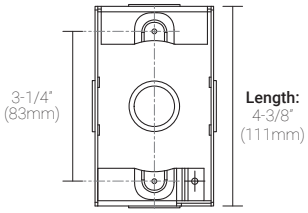


Custom Rectangular Back Box for Wall Installation

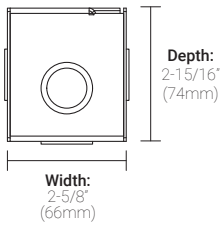
1. *For wall Installation, custom rectangular electrical boxes are available as alternative options.*

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

Top View

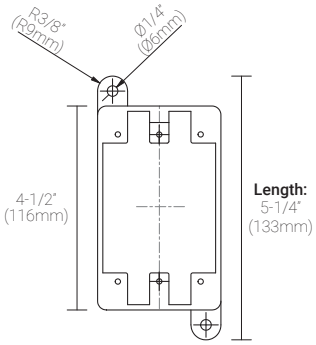


Side View

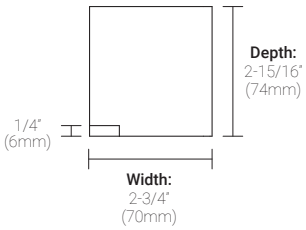


Scepter FD Back box | Order Code: EBX-SFD

Top View

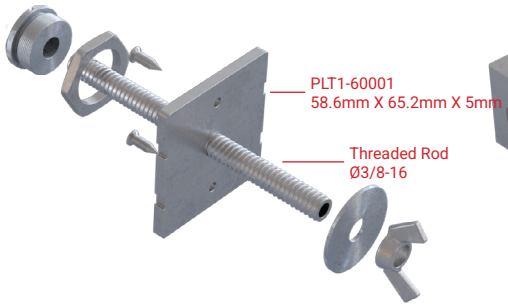


Side View

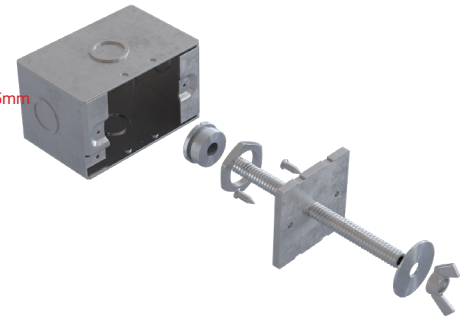


MK1 | For walls and stairs

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



MK1-SGB1



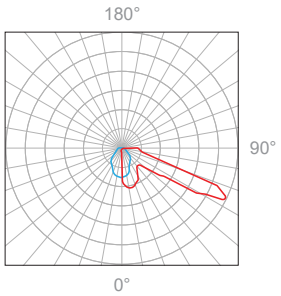
MK1-SGB1 shown with EBX-SGB1

MK1-SGB1 shown with EBX-SGB1 and Plywood Form

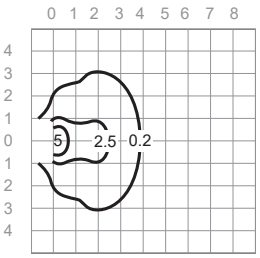
Wall-mount Plywood Form Installation (shown with L46)

3W, 3000K, 90+ CRI

Polar Candela Distribution



Isofootcandle Plot



Mount height: 1 ft Total LLF: 0.69

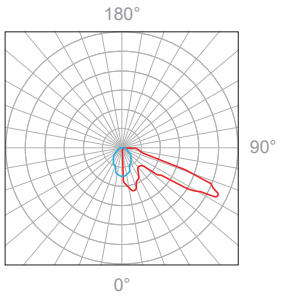
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
1.5ft	0.45m	7.15fc	3.5ft	1.06m	0.4ft	0.12m
3.0ft	0.91m	1.79fc	7.1ft	2.16m	0.9ft	0.27m
4.5ft	1.37m	0.79fc	10.6ft	3.23m	1.3ft	0.39m
6.0ft	1.82m	0.45fc	14.1ft	4.29m	1.7ft	0.51m

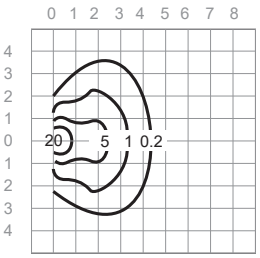
Delivered Lumens: 54.7 lm
Vertical Beam Spread: 99.3°
Horizontal Beam Spread: 16.5°

6W, 3000K, 90+ CRI

Polar Candela Distribution



Isofootcandle Plot



Mount height: 1 ft Total LLF: 0.69

Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
1.5ft	0.45m	12.9fc	3.6ft	1.09m	0.4ft	0.12m
3.0ft	0.91m	3.22fc	7.1ft	2.16m	0.4ft	0.27m
4.5ft	1.37m	1.43fc	10.7ft	3.26m	1.3ft	0.39m
6.0ft	1.82m	0.80fc	14.2ft	4.32m	1.8ft	0.54m

Delivered Lumens: 91.6 lm
Vertical Beam Spread: 99.7°
Horizontal Beam Spread: 16.9°

Appendix

Aluminum Finishes

MA matte clear anodized

BK black powder coated

BZ bronze powder coated

WH white powder coated

Stainless Steel Finish

S6 stainless steel 316