

# L49

EXTERIOR | INTERIOR

Steplight | For walls, stairs, and walkways.

- Wet, Damp, and Dry Location



## Ordering Information

Clear Form

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

## Specifications

Luminaire | Example Code: L49-6-W303H-N-30-1-MA

Product	Version	CCT & CRI <sup>1</sup>	Beam	Light Source Tilt <sup>2</sup>	Integral Driver	Finish <sup>3</sup>
L49	6					
	6 6W	<b>W22S</b> 2200K 80+ <b>W27H</b> 2700K 90+ <b>W30H</b> 3000K 90+ <b>W35H</b> 3500K 90+ <b>W41H</b> 4100K 90+	<b>S</b> spot 12° <b>N</b> narrow 30° <b>F</b> flood 60° <b>W</b> wide flood 120° <b>E</b> elliptical 17°+46°	<b>0</b> no angle <b>15</b> 15° <b>30</b> 30° <b>45</b> 45°	<b>1</b> 120V AC input, ELV dimmable <b>2</b> 120-277V AC input, 0-10V dimmable	<b>Aluminum Finishes:</b> <b>SI</b> silver finish <b>BK</b> black powder coated <b>WH</b> white powder coated <b>BZ</b> bronze powder coated

## System Components (Ordered Separately)

Remote Driver : \_\_\_\_\_

\* Consult factory for the alternative option of using remote driver.

## Important Notes

### Specifications

- Refer to pg.02 - Electrical for Colour Consistency details.
- Field adjustable. **Maximum tilt angle: 45°**
- 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)
6W	350mA	8W	660 lm	70-170 lm

## Application

Environment	Dry / Damp / Wet Location approved. IP 66.
Mounting	Surface or recessed mount to EBX-L49-SS 4 gang masonry box (included). <b>Box dimension: Depth   3-1/2" (89mm) X Width   7-3/8" (187mm) X Height   3-3/4" (95mm)</b>

## Electrical

Power Supplies	Integral LED drivers (120V AC input, <b>ELV dimmable</b> ) Integral LED drivers (120-277V AC input, <b>0-10V dimmable</b> ) Consult factory for alternative driver options or remote driver options.
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

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
Standard Compliance	✓ADA-compliant    ✓WELL standard – Feature 58: Color Quality    ✓B.U.G – 0/0/0
Weight	N/A
Material	<b>Fixture:</b> machined marine-grade aluminum with polycarbonate
Supplied with	<b>Driver:</b> Non-dimmable integral driver and 4 gang masonry box.
Warranty & LED Life	5 years limited warranty Estimated useful life of LED is 50,000 hours.

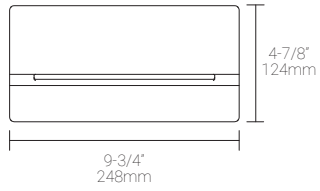
## Ordered Separately

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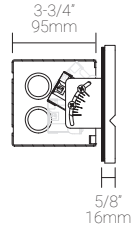
Mounting Options & Dimensions

LED Insert Dimensions

Fixture



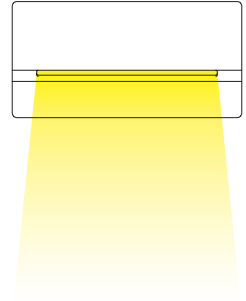
Side View



3D View

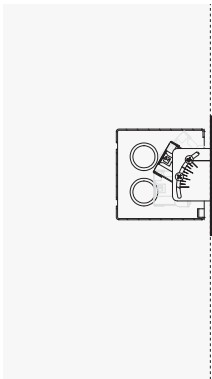


Beam

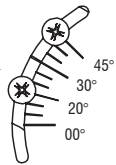


Surface-mount Installation

Surface mount

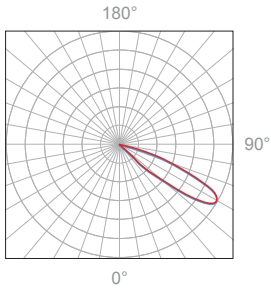


Tilt angle

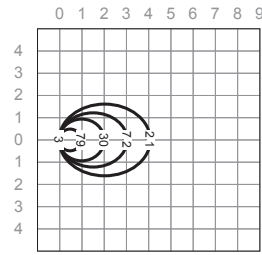


6W, 3000K, 90+ CRI | with 30° tilt bracket

**Polar Candela Distribution**



**Isofootcandle Plot**

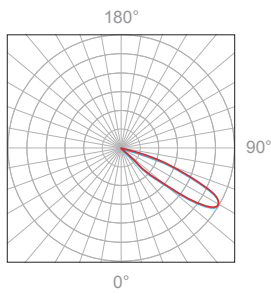


**Illuminance at a Distance (S, spot 12°)**

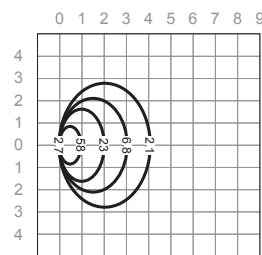
Distance		Center Beam fc
0ft	0m	3fc
1.0ft	0.61m	79fc
2.0ft	1.52m	30fc
3.0ft	2.13m	7.2fc
4.0ft	1.22m	2.1fc

Delivered Lumen: 170.3 lm  
 Vertical Beam Spread: 20°  
 Horizontal Beam Spread: 30°

**Polar Candela Distribution**



**Isofootcandle Plot**



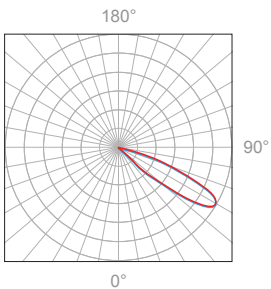
Mount height: 1 ft Total LLF: 1

**Illuminance at a Distance (N, narrow 30°)**

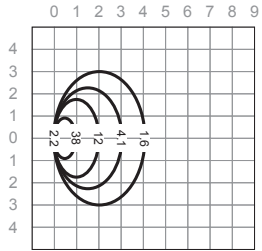
Distance		Center Beam fc
0ft	0m	2.73fc
1.0ft	0.61m	58fc
2.0ft	1.52m	23fc
3.0ft	2.13m	6.8fc
4.0ft	1.22m	2.1fc

Delivered Lumen: 141.1 lm  
 Vertical Beam Spread: 18.3°  
 Horizontal Beam Spread: 28.3°

**Polar Candela Distribution**



**Isofootcandle Plot**



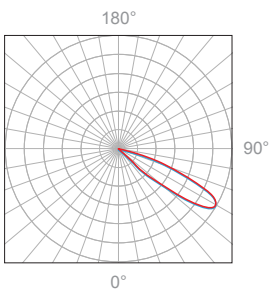
Mount height: 1 ft Total LLF: 1

**Illuminance at a Distance (F, flood 60°)**

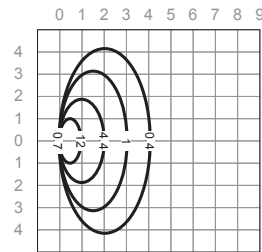
Distance		Center Beam fc
0ft	0m	2.2fc
1.0ft	0.61m	38fc
2.0ft	1.52m	12fc
3.0ft	2.13m	4.1fc
4.0ft	1.22m	1.6fc

Delivered Lumen: 118.3 lm  
 Vertical Beam Spread: 15.8°  
 Horizontal Beam Spread: 25.7°

**Polar Candela Distribution**



**Isofootcandle Plot**



Mount height: 1 ft Total LLF: 1

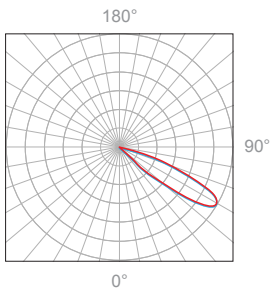
**Illuminance at a Distance (W, wide flood 120°)**

Distance		Center Beam fc
0ft	0m	0.7fc
1.0ft	0.61m	12fc
2.0ft	1.52m	4.4fc
3.0ft	2.13m	1fc
4.0ft	1.22m	0.36fc

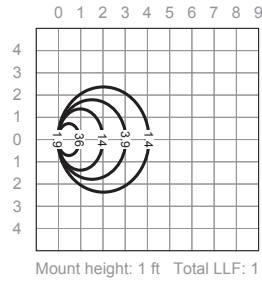
Delivered Lumen: 69.7 lm  
 Vertical Beam Spread: 16°  
 Horizontal Beam Spread: 98.1°

6W, 3000K, 90+ CRI

Polar Candela Distribution



Isofootcandle Plot



Illuminance at a Distance (E, elliptical 17°+46°)

Distance		Center Beam fc
0ft	0m	1.9fc
1.0ft	0.61m	36fc
2.0ft	1.52m	14fc
3.0ft	2.13m	3.9fc
4.0ft	1.22m	1.4fc

Delivered Lumen: 181.4 lm  
 ■ Vertical Beam Spread: 16.6°  
 ■ Horizontal Beam Spread: 27.6°

Appendix

Aluminum Finishes



SI silver finish



BK black powder coated



BZ bronze powder coated



WH white powder coated