

L307

INTERIOR

Trimless In-grade | For wall applications

● Dry location



Installed

Ordering Information

Clear Form

Date : _____

Quantity : _____

Project : _____

Note : _____

Type : _____

Specifications

Luminaire | Example Code: L307-2-W30H-N-C-[]-0-S6

Product	Version	CCT & CRI	Beam Angle ¹	Lens	Accessories ² (optional)	Internal Angle Bracket ³	Trim Finish ⁴
L307							
	1 1W	W22S 2200K 80+	SS super spot 8°	C clear	LM louver, matte anodized	0 no angle	Aluminum Finishes: MA matte clear anodized BA black anodized Stainless Steel Finish: S6 stainless steel 316
	2 2W	W30H 3000K 90+	S spot 12°	F frosted	LB louver, black anodized	20 20° angle	
		W27H 2700K 90+	N narrow flood 30°		HM hex louver, matte anodized	X custom	
		W35H 3500K 90+	F flood 45°		HB hex louver, black anodized		
		W41H 4100K 90+	W wide flood 120°		AB angled louver, black anodized		
					SB straight louver, black anodized		
					QB square louver, black anodized		
					RB ring louver, black anodized		

System Components (Ordered Separately)

Remote Driver : _____

* Consult MP Lighting Website or Factory.

Important Notes

Specification

- See Light Distribution section for illustration of different combinations of beam angles and angle bracket. SS (super spot, 8°) only available with Clear Lens, not available with Louver accessories or angle brackets.
- Louvers will be below the lens. Only available when there is no Internal Angle Bracket.
- Internal angle bracket is factory set, and cannot be field adjusted. 5° increments to maximum of 20° without accessories.
- Different finish options are only applicable to trim ring and not for LED module housing. Refer to Appendix or MP Lighting website for complete look of luminaire with different trim 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.

L307

INTERIOR

Trimless In-grade | For floor, ceilings, walls, and stairs

- Dry location



Installed

Performance

Wattage	Forward Current	Power Consumption Budget per fixture (including driver)	LED Output (Source)	Fixture Output (Delivered)
1W	350mA	1.3W	110 lm	17.9-48.9 lm
2W	700mA	2.6W	220 lm	33.3-88.4 lm

Application

Environment	Dry Location approved. IP 40.
Mounting	Comes with a machined flange that mounts to pre-installed standard 4" (102mm) octagonal box, 1-1/2"(38mm) deep minimum and 1/4"(6mm) setback from face of surface material. Can be wall or ceiling mounted.

Electrical

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

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 W41H = CCT: 4100K, CRI (Ra): 90+, Colour Consistency: 3SDCM
Weight	1.8 lbs (0.816 kg). Typical Aluminum Insert & Back Box only.
Material	Fixture: machined marine-grade aluminum or machined stainless steel (316) with tempered glass
Supplied with	Standard installation housing: Comes with a machined mounting flange
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.
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Mounting Options & Dimensions

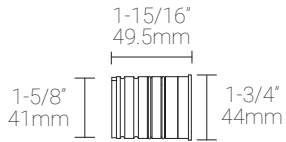
LED Insert Dimensions

Fixture

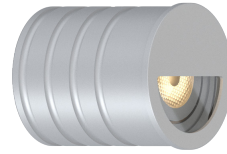
Top View

3D View

Beam

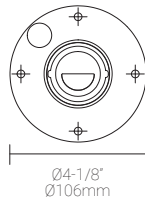
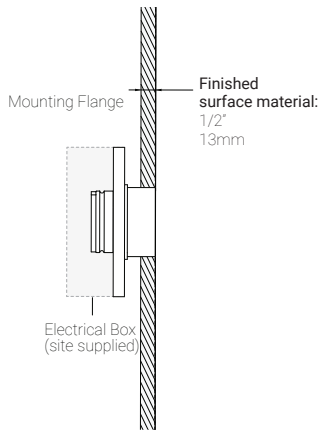


1-1/4"
32mm



Wall Installation (shown with a mounting flange)

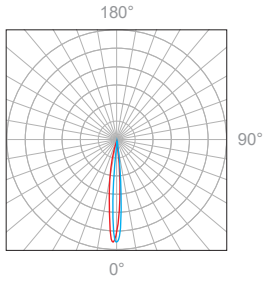
Fixture with a mounting flange



Photometric Report | 1W, SH (standard housing), 3000K, 90+ CRI

Polar Candela Distribution

Beam Width: 8°



Illuminance at a Distance

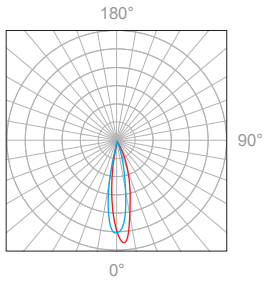
Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	327fc	0.2ft	0.06m	0.2ft	0.06m
3.0ft	0.91m	81.6fc	0.4ft	0.12m	0.4ft	0.12m
4.5ft	1.37m	36.3fc	0.6ft	0.18m	0.6ft	0.18m
6.0ft	1.83m	20.4fc	0.8ft	0.24m	0.8ft	0.24m
7.5ft	2.29m	13.1fc	1.0ft	0.30m	1.0ft	0.30m
9.0ft	2.74m	9.07fc	1.2ft	0.36m	1.2ft	0.36m

Delivered Lumen: 17.9 lm
 Vertical Beam Spread: 7.9°
 Horizontal Beam Spread: 7.9°

Tested on 20/09/2024

Polar Candela Distribution

Beam Width: 12°



Illuminance at a Distance

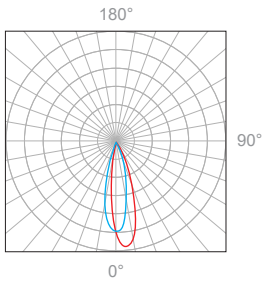
Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	109fc	0.5ft	0.15m	0.5ft	0.15m
3.0ft	0.91m	27.2fc	0.9ft	0.27m	1.0ft	0.30m
4.5ft	1.37m	12.1fc	1.4ft	0.42m	1.5ft	0.45m
6.0ft	1.83m	6.79fc	1.9ft	0.57m	2.0ft	0.61m
7.5ft	2.29m	4.34fc	2.3ft	0.70m	2.5ft	0.76m
9.0ft	2.74m	3.02fc	2.8ft	0.85m	3.0ft	0.91m

Delivered Lumen: 43.4 lm
 Vertical Beam Spread: 17.8°
 Horizontal Beam Spread: 18.8°

Tested on 20/09/2024

Polar Candela Distribution

Beam Width: 30°



Illuminance at a Distance

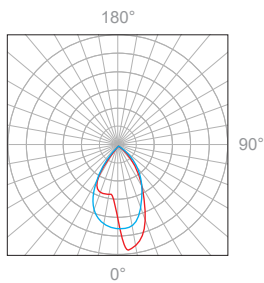
Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	101fc	0.6ft	0.18m	0.6ft	0.18m
3.0ft	0.91m	25.2fc	1.2ft	0.36m	1.3ft	0.39m
4.5ft	1.37m	11.2fc	1.8ft	0.55m	2.0ft	0.61m
6.0ft	1.83m	6.30fc	2.4ft	0.73m	2.6ft	0.79m
7.5ft	2.29m	4.03fc	3.0ft	0.92m	3.3ft	1.00m
9.0ft	2.74m	2.80fc	3.6ft	1.09m	3.9ft	1.18m

Delivered Lumen: 48.9 lm
 Vertical Beam Spread: 22.3°
 Horizontal Beam Spread: 24.5°

Tested on 20/09/2024

Polar Candela Distribution

Beam Width: 45°



Illuminance at a Distance

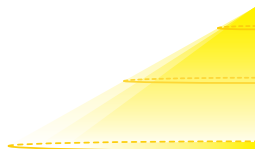
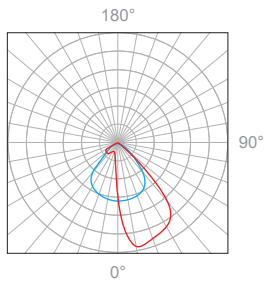
Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	28.9fc	0.7ft	0.21m	1.1ft	0.33m
3.0ft	0.91m	7.15fc	1.4ft	0.42m	2.2ft	0.67m
4.5ft	1.37m	3.18fc	2.1ft	0.64m	3.3ft	1.00m
6.0ft	1.83m	1.79fc	2.8ft	0.85m	4.4ft	1.34m
7.5ft	2.29m	1.14fc	3.5ft	1.06m	5.5ft	1.67m
9.0ft	2.74m	0.79fc	4.1ft	1.25m	6.7ft	2.04m

Delivered Lumen: 41.6 lm
 Vertical Beam Spread: 25.9°
 Horizontal Beam Spread: 40.6°

Tested on 20/09/2024

Polar Candela Distribution

Beam Width: 120°



Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	11.4fc	1.4ft	0.42m	3.4ft	1.03m
3.0ft	0.91m	2.86fc	2.8ft	0.85m	6.8ft	2.07m
4.5ft	1.37m	1.27fc	4.2ft	1.28m	10.2ft	3.11m
6.0ft	1.83m	0.71fc	5.6ft	1.70m	13.6ft	4.23m
7.5ft	2.29m	0.46fc	7.1ft	2.16m	17.0ft	5.18m
9.0ft	2.74m	0.32fc	8.5ft	2.59m	20.4ft	6.21m

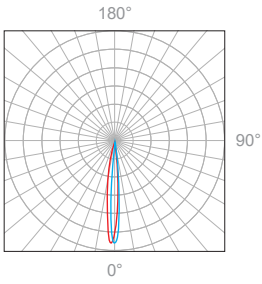
Delivered Lumen: 42.3 lm
 Vertical Beam Spread: 50.4°
 Horizontal Beam Spread: 97.3°

Tested on 20/09/2024

Photometric Report | 2W, SH (standard housing), 3000K, 90+ CRI

Polar Candela Distribution

Beam Width: 8°



Illuminance at a Distance

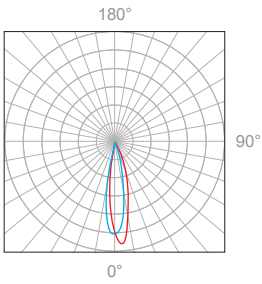
Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	595fc	0.2ft	0.06m	0.2ft	0.06m
3.0ft	0.91m	149fc	0.4ft	0.12m	0.4ft	0.12m
4.5ft	1.37m	66.1fc	0.6ft	0.18m	0.6ft	0.18m
6.0ft	1.83m	37.2fc	0.8ft	0.24m	0.8ft	0.24m
7.5ft	2.29m	23.8fc	1.0ft	0.30m	1.0ft	0.30m
9.0ft	2.74m	16.5fc	1.2ft	0.36m	1.2ft	0.36m

Delivered Lumen: 33.3 lm
 ■ Vertical Beam Spread: 7.8°
 ■ Horizontal Beam Spread: 7.9°

Tested on 20/09/2024

Polar Candela Distribution

Beam Width: 12°



Illuminance at a Distance

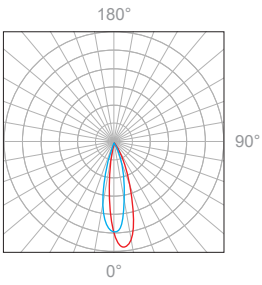
Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	192fc	0.6ft	0.18m	0.5ft	0.15m
3.0ft	0.91m	48.1fc	0.9ft	0.27m	1.0ft	0.30m
4.5ft	1.37m	21.4fc	1.4ft	0.42m	1.5ft	0.46m
6.0ft	1.83m	12.0fc	1.9ft	0.58m	2.0ft	0.61m
7.5ft	2.29m	7.69fc	2.3ft	0.70m	2.5ft	0.76m
9.0ft	2.74m	5.34fc	2.8ft	0.85m	3.0ft	0.91m

Delivered Lumen: 75.4 lm
 ■ Vertical Beam Spread: 17.6°
 ■ Horizontal Beam Spread: 18.7°

Tested on 20/09/2024

Polar Candela Distribution

Beam Width: 30°



Illuminance at a Distance

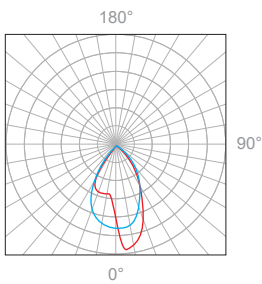
Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	178fc	0.6ft	0.18m	0.6ft	0.18m
3.0ft	0.91m	44.5fc	1.2ft	0.36m	1.3ft	0.39m
4.5ft	1.37m	19.8fc	1.8ft	0.55m	1.9ft	0.58m
6.0ft	1.83m	11.1fc	2.4ft	0.73m	2.6ft	0.79m
7.5ft	2.29m	7.12fc	3.0ft	0.91m	3.2ft	0.98m
9.0ft	2.74m	4.94fc	3.6ft	1.09m	3.8ft	1.16m

Delivered Lumen: 88.4 lm
 ■ Vertical Beam Spread: 22.3°
 ■ Horizontal Beam Spread: 24.4°

Tested on 20/09/2024

Polar Candela Distribution

Beam Width: 45°



Illuminance at a Distance

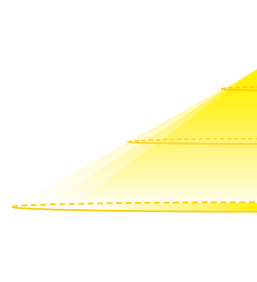
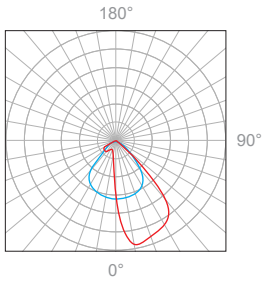
Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	50.7fc	0.7ft	0.21m	1.1ft	0.33m
3.0ft	0.91m	12.7fc	1.4ft	0.42m	2.2ft	0.67m
4.5ft	1.37m	5.64fc	2.1ft	0.64m	3.4ft	1.03m
6.0ft	1.83m	3.17fc	2.8ft	0.85m	4.5ft	0.79m
7.5ft	2.29m	2.03fc	3.5ft	1.06m	5.6ft	1.70m
9.0ft	2.74m	1.41fc	4.2ft	1.28m	6.7ft	2.04m

Delivered Lumen: 74.3 lm
 ■ Vertical Beam Spread: 26.3°
 ■ Horizontal Beam Spread: 40.9°

Tested on 20/09/2024

Polar Candela Distribution

Beam Width: 120°



Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	20.7fc	1.4ft	0.42m	3.4ft	1.03m
3.0ft	0.91m	5.18fc	2.8ft	0.85m	6.7ft	2.04m
4.5ft	1.37m	2.30fc	4.2ft	1.28m	10.1ft	3.08m
6.0ft	1.83m	1.30fc	5.6ft	1.70m	13.5ft	4.20m
7.5ft	2.29m	0.83fc	7.0ft	2.13m	16.8ft	5.12m
9.0ft	2.74m	0.58fc	8.4ft	2.56m	20.2ft	6.15m

Delivered Lumen: 74.9 lm
 ■ Vertical Beam Spread: 50°
 ■ Horizontal Beam Spread: 96.5°

Tested on 20/09/2024

Appendix

Aluminum Finishes



MA matte clear anodized



BA black anodized

Stainless Steel Finishes



S6 stainless steel 316

Accessories



LM louver, matte clear anodized



LB louver, black anodized



HM hex louver, matte clear anodized



HB hex louver, black anodized



AB angled louver, black anodized



SB straight louver, black anodized



QB square louver, black anodized



RB ring louver, black anodized