

L305

INTERIOR

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

- Dry location



Ordering Information Clear Form

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

Specifications

Luminaire | Example Code: L305-2-W30H-N-C-[]-0-S6

Product	Version	CCT & CRI ¹	Beam Angle ²	Lens	Accessories ³ (optional)	Internal Angle Bracket ⁴	Trim Finish ⁵
L305							
	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 BZ bronze powder coated Stainless Steel Finish: S6 stainless steel 316
	2 2W	W27H 2700K 90+	S spot 12°	F frosted	LB louver, black anodized	30 30° angle	
		W30H 3000K 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

1. Refer to pg.2 - for Light Quality and Colour Consistency.
2. See Light Distribution section for illustration of different combinations of beam angles and angle bracket. Super Spot beam angles are only available with clear lens, and are not available with louver accessories or angle brackets.
3. Refer to Pg.8 - Appendix or MP Lighting website for images and details..

4. Internal angle bracket is factory set, and cannot be field adjusted. 5° increments to maximum of 20° with accessories (louvers).
5. 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.

L305

INTERIOR

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

- Dry location



Performance

Wattage	Forward Voltage	Forward Current	Power Consumption Budget per fixture (including driver)	LED output	Fixture Output
1W	~3V DC	350mA	1.3W	110 lm	34.4-80.5 lm
2W	~3V DC	700mA	2.6W	220 lm	61.8-143.3 lm

Application

Environment	Dry Location approved. IP 40. Ambient temperature: -4°F to 104°F (-20°C to 40°C) For lower temperature, consult MP Factory.
Mounting	Comes with steel flange (FLG-L02-ZP) that mounts to pre-installed standard 4" (102mm) octagonal back box (not included), 1-1/2"(38mm) deep minimum, and 1/4"(6mm) setback from face of finished surface material.

Electrical

Electrical	Compatible with remote DC driver.
Control	On/off control or phase dimming or 0-10V dimming with appropriate remote dimmable driver.

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	0.35 lbs (0.158 kg). Typical Insert & Mounting Flange only.
Material	Fixture: machined solid anodized aluminum or machined stainless steel (316) with tempered glass
Supplied with	Standard installation housing: Comes with a steel 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
-------------------	--------------------------------------

Mounting Options & Dimensions

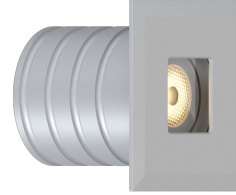
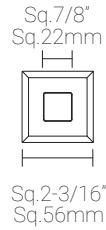
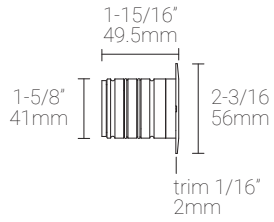
LED Insert Dimensions

Fixture

Top View

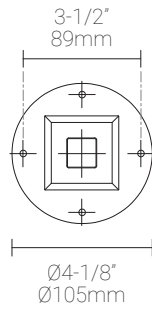
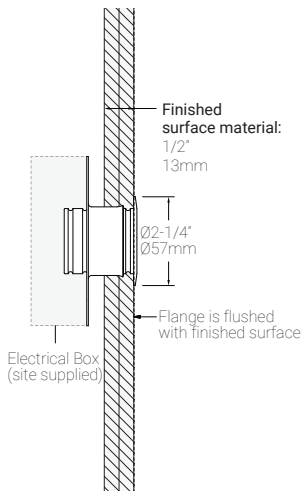
3D View

Beam



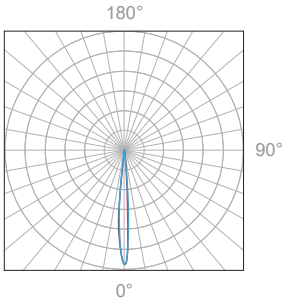
Ceiling, Wall, and Stair Riser Installation (shown with a mounting flange)

Drywall installation



1W, 3000K, 90+ CRI

Polar Candela Distribution



Beam Width: 8°



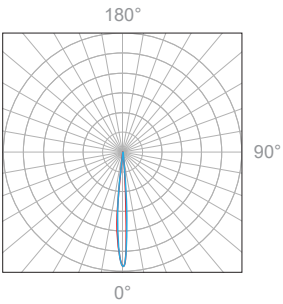
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	655fc	0.2ft	0.06m	0.2ft	0.06m
3.0ft	0.91m	164fc	0.4ft	0.12m	0.4ft	0.12m
4.5ft	1.37m	72.7fc	0.6ft	0.18m	0.6ft	0.18m
6.0ft	1.83m	40.9fc	0.8ft	0.24m	0.8ft	0.24m
7.5ft	2.29m	26.2fc	1.0ft	0.30m	1.1ft	0.33m
9.0ft	2.74m	18.2fc	1.2ft	0.36m	1.3ft	0.39m

Delivered Lumen: 34.4 lm
 ■ Vertical Beam Spread: 7.8°
 ■ Horizontal Beam Spread: 8°

Tested on 24/09/2024

Polar Candela Distribution



Beam Width: 12°



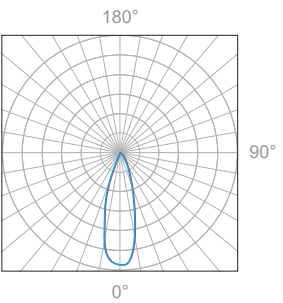
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	259fc	0.4ft	0.12m	0.4ft	0.12m
3.0ft	0.91m	64.8fc	0.9ft	0.27m	0.8ft	0.24m
4.5ft	1.37m	28.8fc	1.3ft	0.39m	1.2ft	0.36m
6.0ft	1.83m	16.2fc	1.9ft	0.58m	1.7ft	0.52m
7.5ft	2.29m	10.4fc	2.2ft	0.67m	2.1ft	0.64m
9.0ft	2.74m	7.21fc	2.6ft	0.79m	2.5ft	0.76m

Delivered Lumen: 80.5 lm
 ■ Vertical Beam Spread: 16.6°
 ■ Horizontal Beam Spread: 15.7°

Tested on 24/09/2024

Polar Candela Distribution



Beam Width: 30°



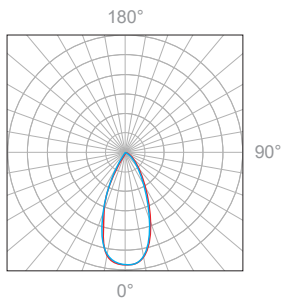
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	150fc	0.6ft	0.18m	0.7ft	0.21m
3.0ft	0.91m	37.5fc	1.3ft	0.39m	1.3ft	0.39m
4.5ft	1.37m	16.7fc	1.9ft	0.58m	2.0ft	0.61m
6.0ft	1.83m	9.38fc	2.6ft	0.79m	2.7ft	0.82m
7.5ft	2.29m	6.00fc	3.2ft	0.97m	3.4ft	1.03m
9.0ft	2.74m	4.17fc	3.8ft	1.15m	4.0ft	1.22m

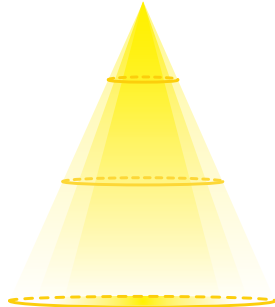
Delivered Lumen: 79.4 lm
 ■ Vertical Beam Spread: 24.1°
 ■ Horizontal Beam Spread: 25.3°

Tested on 24/09/2024

Polar Candela Distribution



Beam Width: 45°



Illuminance at a Distance

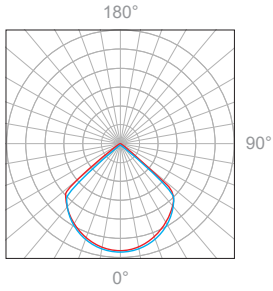
Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	51.4fc	1.1ft	0.33m	1.3ft	0.39m
3.0ft	0.91m	12.9fc	2.3ft	0.70m	2.6ft	0.79m
4.5ft	1.37m	5.72fc	3.4ft	1.03m	3.9ft	1.18m
6.0ft	1.83m	3.22fc	4.6ft	1.40m	5.2ft	1.58m
7.5ft	2.29m	2.06fc	5.7ft	1.73m	6.5ft	1.98m
9.0ft	2.74m	1.43fc	6.9ft	2.10m	7.8ft	2.37m

Delivered Lumen: 74.7 lm
 ■ Vertical Beam Spread : 41.9°
 ■ Horizontal Beam Spread : 47.1°

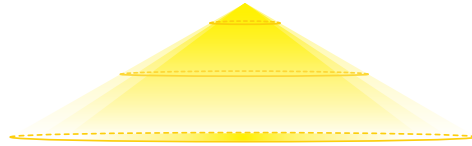
Tested on 24/09/2024

1W, 3000K, 90+ CRI

Polar Candela Distribution



Beam Width: 120°



Illuminance at a Distance

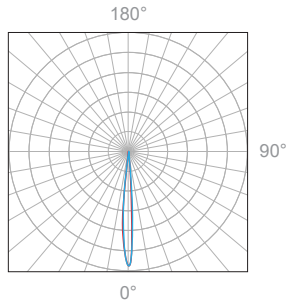
Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	16.4fc	2.2ft	0.67m	2.2ft	0.67m
3.0ft	0.91m	4.11fc	4.4ft	1.34m	4.4ft	1.34m
4.5ft	1.37m	1.83fc	6.6ft	2.01m	6.6ft	2.01m
6.0ft	1.83m	1.03fc	8.8ft	2.68m	8.8ft	2.68m
7.5ft	2.29m	0.66fc	11.0ft	3.35m	10.9ft	3.32m
9.0ft	2.74m	0.46fc	13.2ft	4.02m	13.1ft	3.99m

Delivered Lumen: 54 lm
 ■ Vertical Beam Spread : 72.4°
 ■ Horizontal Beam Spread : 72.2°

Tested on 24/09/2024

2W, 3000K, 90+ CRI

Polar Candela Distribution



Beam Width: 8°



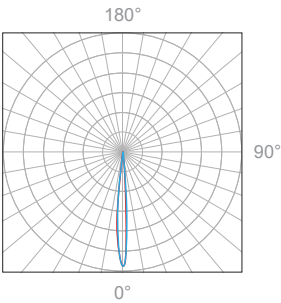
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	1,065fc	0.2ft	0.06m	0.2ft	0.06m
3.0ft	0.91m	291fc	0.4ft	0.12m	0.4ft	0.12m
4.5ft	1.37m	129fc	0.6ft	0.18m	0.6ft	0.18m
6.0ft	1.83m	72.8fc	0.8ft	0.24m	0.9ft	0.27m
7.5ft	2.29m	46.6fc	1.0ft	0.30m	1.1ft	0.33m
9.0ft	2.74m	32.4fc	1.2ft	0.36m	1.3ft	0.39m

Delivered Lumen: 61.8 lm
 ■ Vertical Beam Spread: 7.8°
 ■ Horizontal Beam Spread: 8.1°

Tested on 24/09/2024

Polar Candela Distribution



Beam Width: 12°



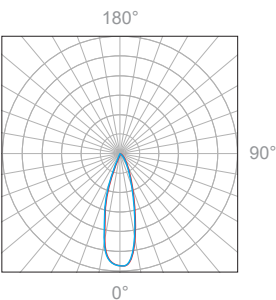
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	462fc	0.4ft	0.12m	0.4ft	0.12m
3.0ft	0.91m	116fc	0.9ft	0.27m	0.8ft	0.24m
4.5ft	1.37m	51.4fc	1.3ft	0.39m	1.2ft	0.36m
6.0ft	1.83m	28.9fc	1.8ft	0.54m	1.6ft	0.48m
7.5ft	2.29m	18.5fc	2.2ft	0.67m	2.1ft	0.64m
9.0ft	2.74m	12.8fc	2.6ft	0.79m	2.5ft	0.76m

Delivered Lumen: 143.3 lm
 ■ Vertical Beam Spread: 16.6°
 ■ Horizontal Beam Spread: 15.6°

Tested on 24/09/2024

Polar Candela Distribution



Beam Width: 30°



Illuminance at a Distance

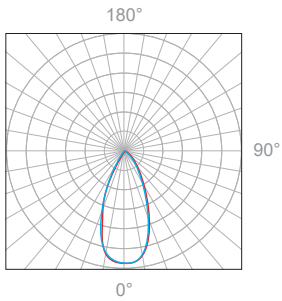
Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	266fc	0.6ft	0.18m	0.7ft	0.21m
3.0ft	0.91m	66.5fc	1.3ft	0.39m	1.4ft	0.42m
4.5ft	1.37m	29.5fc	1.9ft	0.58m	2.0ft	0.61m
6.0ft	1.83m	16.6fc	2.6ft	0.79m	2.7ft	0.82m
7.5ft	2.29m	10.6fc	3.2ft	0.97m	3.4ft	1.03m
9.0ft	2.74m	7.38fc	3.9ft	1.18m	4.1ft	1.25m

Delivered Lumen: 141.1 lm
 ■ Vertical Beam Spread: 24.2°
 ■ Horizontal Beam Spread: 25.4°

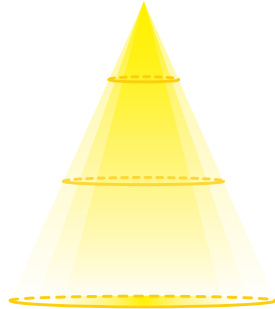
Tested on 24/09/2024

2W, 3000K, 90+ CRI

Polar Candela Distribution



Beam Width: 45°



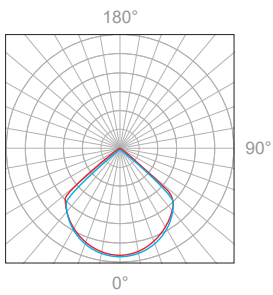
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	90.0fc	1.2ft	0.36m	1.3ft	0.39m
3.0ft	0.91m	22.4fc	2.3ft	0.70m	2.6ft	0.79m
4.5ft	1.37m	10.0fc	3.5ft	1.06m	3.9ft	1.18m
6.0ft	1.83m	5.63fc	4.7ft	1.43m	5.3ft	1.61m
7.5ft	2.29m	3.60fc	5.8ft	1.76m	6.6ft	2.01m
9.0ft	2.74m	2.50fc	7.0ft	2.13m	7.9ft	2.40m

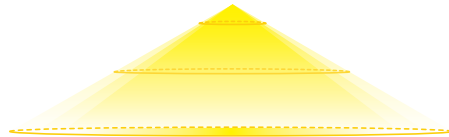
Delivered Lumen: 132.6 lm
 ■ Vertical Beam Spread : 42.4°
 ■ Horizontal Beam Spread : 47.3°

Tested on 24/09/2024

Polar Candela Distribution



Beam Width: 120°



Illuminance at a Distance

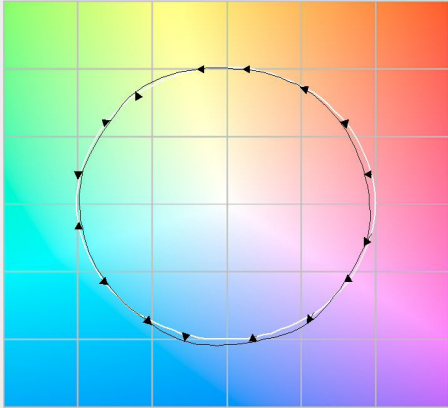
Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	30.0fc	2.2ft	0.67m	2.2ft	0.67m
3.0ft	0.91m	7.50fc	4.4ft	1.34m	4.4ft	1.34m
4.5ft	1.37m	3.33fc	6.6ft	2.01m	6.6ft	2.01m
6.0ft	1.83m	1.88fc	8.8ft	2.68m	8.7ft	2.65m
7.5ft	2.29m	1.20fc	11.0ft	3.35m	10.9ft	3.32m
9.0ft	2.74m	0.83fc	13.2ft	4.02m	13.1ft	3.99m

Delivered Lumen: 96 lm
 ■ Vertical Beam Spread : 72.4°
 ■ Horizontal Beam Spread : 72.1°

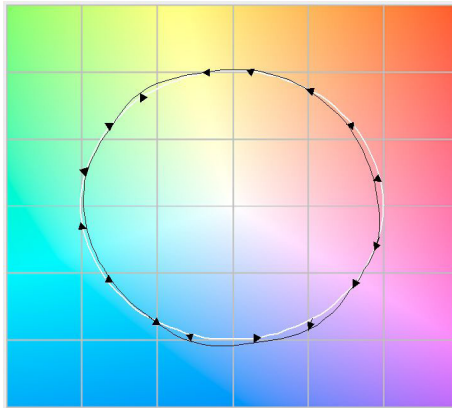
Tested on 24/09/2024

TM30 Report

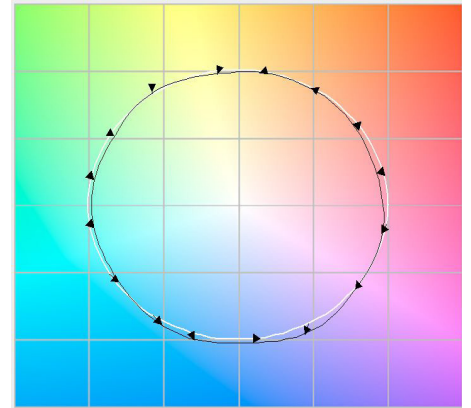
2700K, 90+CRI



3000K, 90+CRI

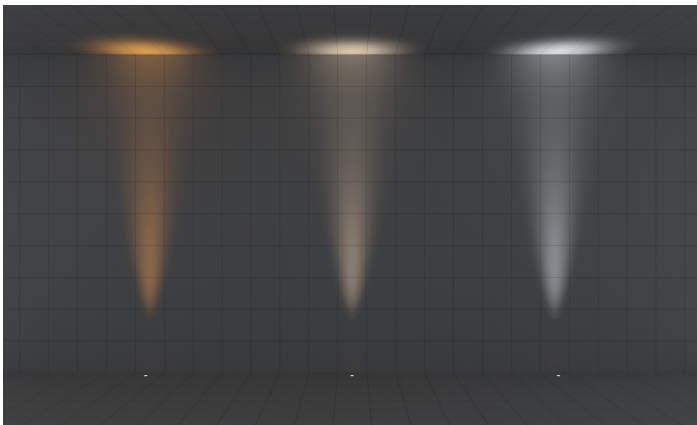


3500K, 90+CRI

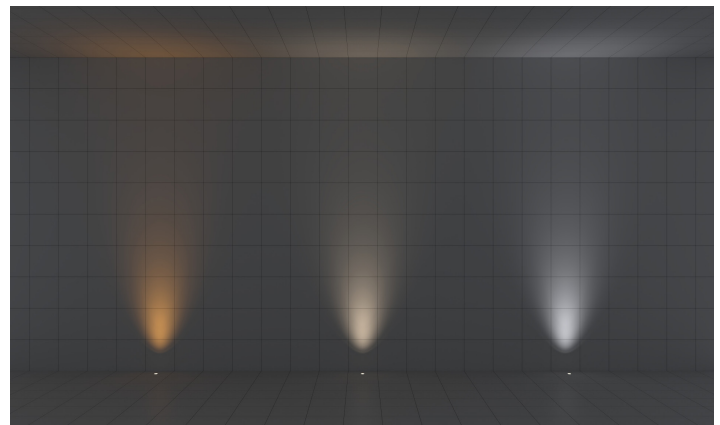


Colour Temperature Comparison | 2200K, 2700K, 3000K

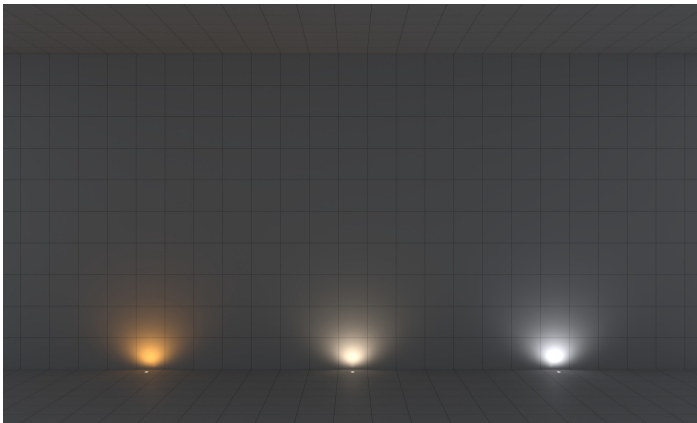
12° | 6" (152mm) Gap | 10ft Wall



30° | 6" (152mm) Gap | 10ft Wall

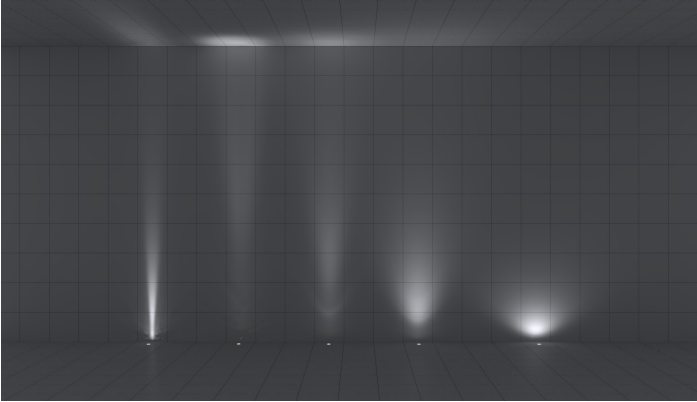


120° | 6" (152mm) Gap | 10ft Wall



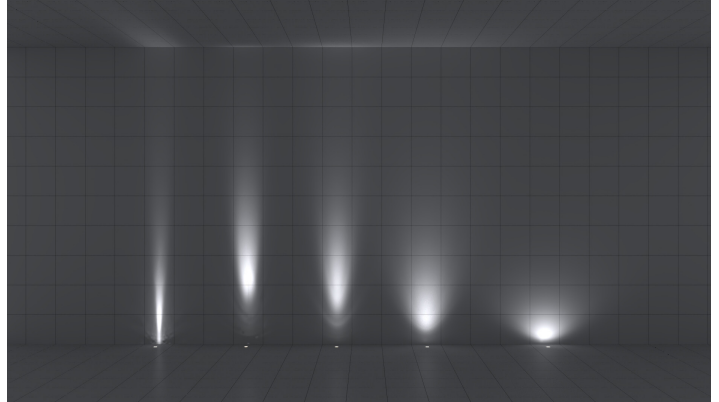
Light Distribution | 10ft Wall | Fixtures installed 6" (152mm) away from the wall

L305 | 1W | 0° angle bracket | 10ft wall | Clear Lens | 3000K



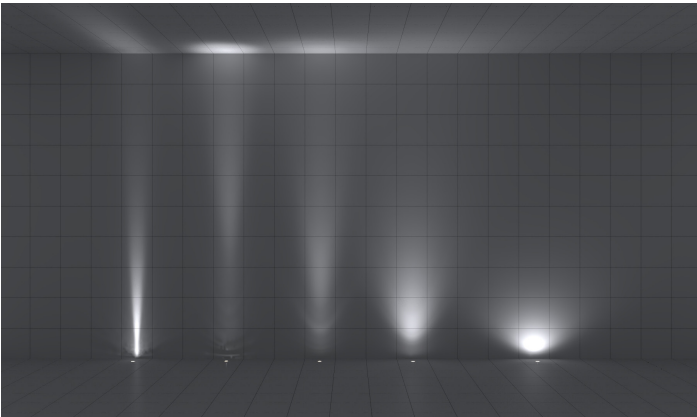
- From left to right:**
E elliptical 7°+ 36°
SS super spot 8°
S spot 12°
N narrow flood 30°
W wide flood 120°

L305 | 1W | 10° angle bracket | 10ft wall | Clear Lens | 3000K



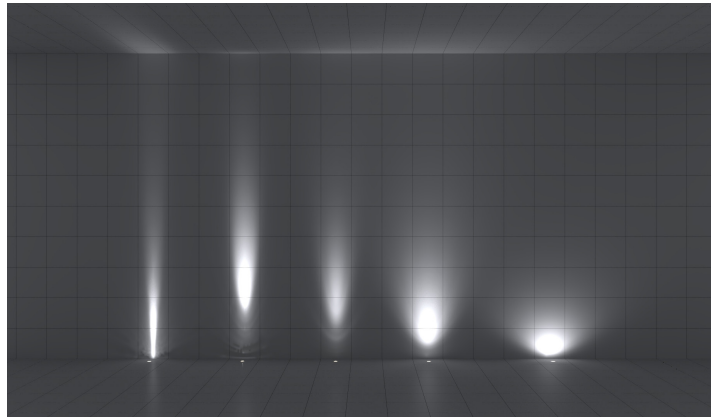
- From left to right:**
E elliptical 7°+ 36°
SS super spot 8°
S spot 12°
N narrow flood 30°
W wide flood 120°

L305 | 2W | 0° angle bracket | 10ft wall | Clear Lens | 3000K



- From left to right:**
E elliptical 7°+ 36°
SS super spot 8°
S spot 12°
N narrow flood 30°
W wide flood 120°

L305 | 2W | 10° angle bracket | 10ft wall | Clear Lens | 3000K

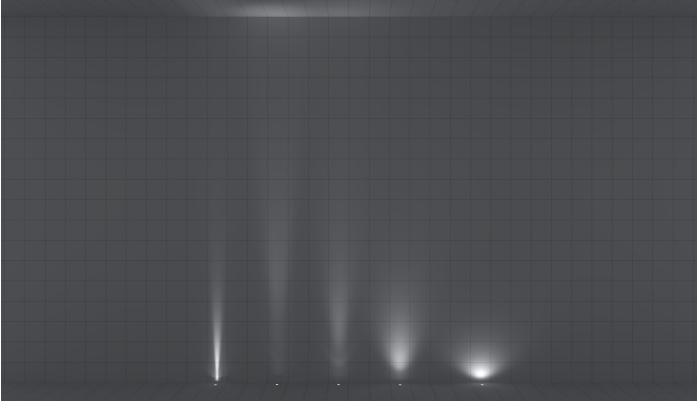


- From left to right:**
E elliptical 7°+ 36°
SS super spot 8°
S spot 12°
N narrow flood 30°
W wide flood 120°

* Images will appear darker when printed.

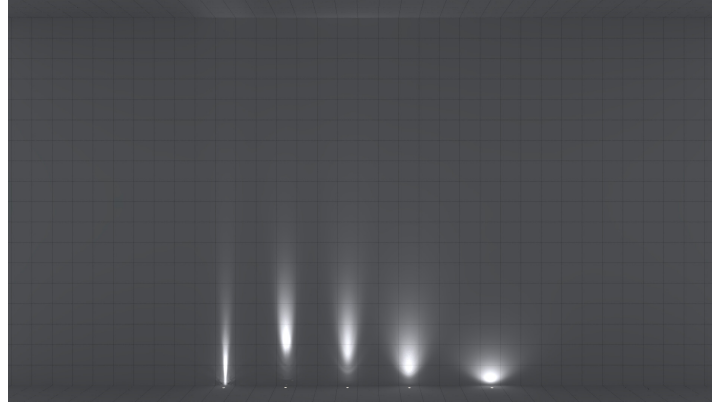
Light Distribution | 18ft Wall | Fixtures installed 6" (152mm) away from the wall

L305 | 1W | 0° angle bracket | 18ft wall | Clear Lens | 3000K



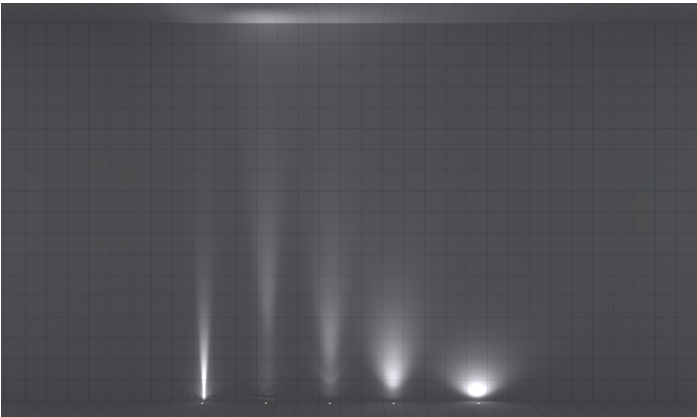
- From left to right:**
E elliptical 7°+ 36°
SS super spot 8°
S spot 12°
N narrow flood 30°
W wide flood 120°

L305 | 1W | 10° angle bracket | 18ft wall | Clear Lens | 3000K



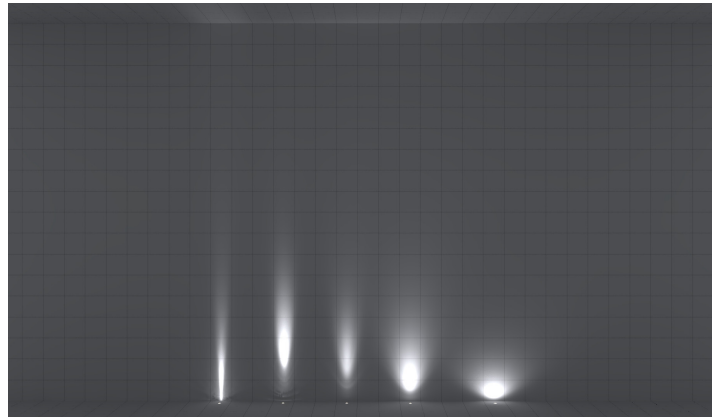
- From left to right:**
E elliptical 7°+ 36°
SS super spot 8°
S spot 12°
N narrow flood 30°
W wide flood 120°

L305 | 2W | 0° angle bracket | 18ft wall | Clear Lens | 3000K



- From left to right:**
E elliptical 7°+ 36°
SS super spot 8°
S spot 12°
N narrow flood 30°
W wide flood 120°

L305 | 2W | 10° angle bracket | 18ft wall | Clear Lens | 3000K



- From left to right:**
E elliptical 7°+ 36°
SS super spot 8°
S spot 12°
N narrow flood 30°
W wide flood 120°

* Images will appear darker when printed.

** Elliptical beam angle not available with this fixture.

Appendix

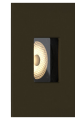
Aluminum Finishes



MA matte clear anodized



BA black anodized



BZ bronze powder coated

Stainless Steel Finish



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

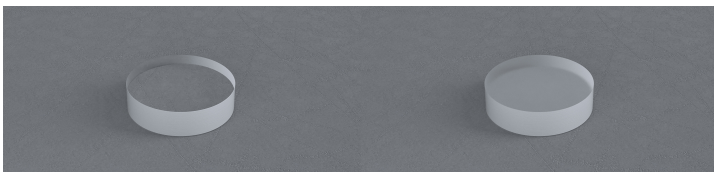


AB square louver, black anodized



AB ring louver, black anodized

Lens Options



C clear lens

F frosted