

L02

INTERIOR

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

● Dry location



Ordering Information

Clear Form

Date :

Quantity :

Project :

Note :

Type :

Specifications

Luminaire | Example Code: L02-2-W30H-N-C-[]-0-S6

Product	Version	CCT & CRI ¹	Beam Angle ²	Lens	Accessories ³ (optional)	Internal Angle Bracket ⁴	Trim Finish ⁵
L02							
	1 1W	W22S 2200K 80+	E elliptical 7°+36°	C clear	Internal:	0 no angle	Aluminum Finishes:
	2 2W	W27H 2700K 90+	SS super spot 8°	F frosted	LM louver,	30 30° angle	MA matte clear anodized
		W30H 3000K 90+	S spot 12°		matte anodized	X custom	BA black anodized
		W35H 3500K 90+	N narrow flood 30°		LB louver,		BZ bronze powder coated
		W41H 4100K 90+	F flood 45°		black anodized		WH white powder coated
			W wide flood 120°		HM hex louver,		Stainless Steel Finishes:
					matte anodized		S6 stainless steel 316
					HB hex louver,		BT0 black stainless steel
					black anodized		
					AB angled louver,		Other Materials:
					black anodized		ABZ antique bronze
					SB straight louver,		ABR antique brass
					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.Elliptical and 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.

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Performance

Wattage	Forward Current	Power Consumption Budget per fixture (including driver)	LED Output	Fixture Output
1W	350mA	1.3W	110 lm	35-83.3 lm
2W	700mA	2.6W	220 lm	62.6-148.2 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

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

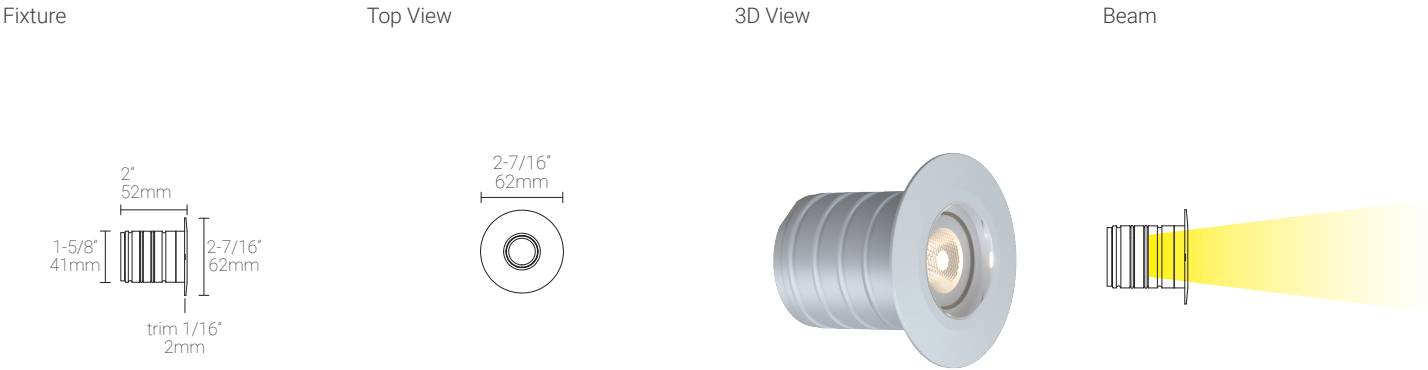
LED Light Source	W22S = CCT: 2200K, CRI (Ra): 80+, Colour Consistency: 3SDCM W27H = CCT: 2700K, CRI (Ra): 90+, Colour Consistency: 2SDCM W30H = CCT: 3000K, CRI (Ra): 90+, Colour Consistency: 2SDCM W35H = CCT: 3500K, CRI (Ra): 90+, Colour Consistency: 2SDCM W41H = CCT: 4100K, CRI (Ra): 90+, Colour Consistency: 3SDCM
Weight	0.35 lbs (0.158 kg). Typical Insert & Mounting Flange only.
Material	Fixture: machined solid anodized aluminum, machined brass 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
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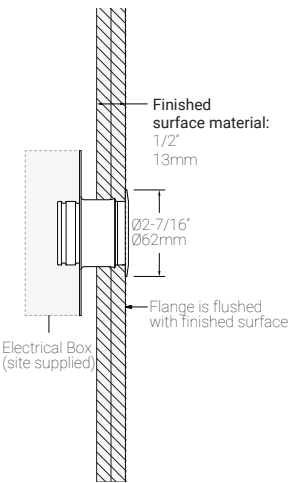
Mounting Options & Dimensions

LED Insert Dimensions

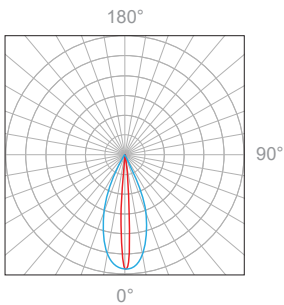


Ceiling, Wall, and Stair Riser Installation (shown with **FLG-L02-ZP** mounting flange)

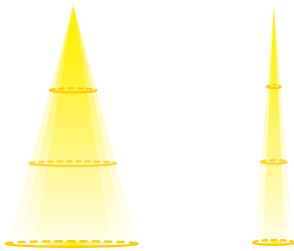
Wall installation



Polar Candela Distribution



Beam Width: 7° + 36°



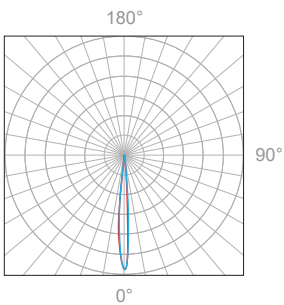
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	92.9fc	0.2ft	0.06m	1.9ft	0.58m
3.0ft	0.91m	23.2fc	0.4ft	0.12m	3.7ft	1.12m
4.5ft	1.37m	10.3fc	0.5ft	0.15m	5.6ft	1.70m
6.0ft	1.83m	5.81fc	0.7ft	0.21m	7.4ft	2.25m
7.5ft	2.29m	3.72fc	0.9ft	0.27m	9.3ft	2.83m
9.0ft	2.74m	2.58fc	1.1ft	0.33m	11.2ft	3.41m

Delivered Lumen: 36 lm
■ Vertical Beam Spread: 6.7°
■ Horizontal Beam Spread: 63.6°

Tested on 20/09/2024

Polar Candela Distribution



Beam Width: 8°



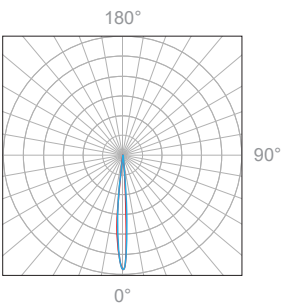
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	537fc	0.2ft	0.06m	0.2ft	0.06m
3.0ft	0.91m	134fc	0.4ft	0.12m	0.4ft	0.12m
4.5ft	1.37m	59.6fc	0.6ft	0.18m	0.6ft	0.18m
6.0ft	1.83m	33.5fc	0.8ft	0.24m	0.8ft	0.24m
7.5ft	2.29m	21.5fc	1.0ft	0.30m	1.0ft	0.30m
9.0ft	2.74m	14.9fc	1.2ft	0.36m	1.2ft	0.36m

Delivered Lumen: 35 lm
■ Vertical Beam Spread: 7.9°
■ Horizontal Beam Spread: 8.0°

Tested on 20/09/2024

Polar Candela Distribution



Beam Width: 12°



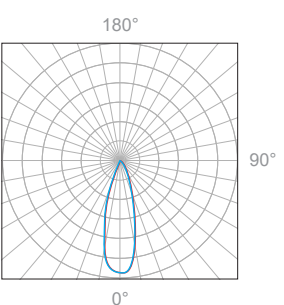
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	262fc	0.4ft	0.12m	0.4ft	0.12m
3.0ft	0.91m	65.6fc	0.9ft	0.27m	0.8ft	0.24m
4.5ft	1.37m	29.1fc	1.3ft	0.39m	1.3ft	0.39m
6.0ft	1.83m	16.4fc	1.8ft	0.55m	1.7ft	0.52m
7.5ft	2.29m	10.5fc	2.2ft	0.67m	2.1ft	0.64m
9.0ft	2.74m	7.28fc	2.6ft	0.79m	2.5ft	0.76m

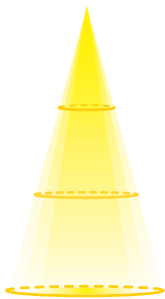
Delivered Lumen: 83.3 lm
■ Vertical Beam Spread: 16.7°
■ Horizontal Beam Spread: 15.9°

Tested on 20/09/2024

Polar Candela Distribution



Beam Width: 30°



Illuminance at a Distance

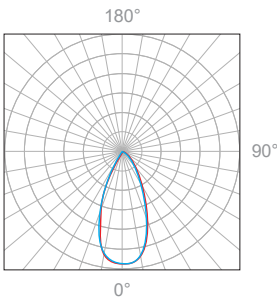
Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	153fc	0.7ft	0.21m	0.6ft	0.18m
3.0ft	0.91m	38.2fc	1.3ft	0.39m	1.3ft	0.39m
4.5ft	1.37m	17.0fc	2.0ft	0.61m	1.9ft	0.58m
6.0ft	1.83m	9.56fc	2.6ft	0.79m	2.5ft	0.76m
7.5ft	2.29m	6.12fc	3.3ft	1.00m	3.2ft	0.97m
9.0ft	2.74m	4.25fc	3.9ft	1.18m	3.8ft	1.15m

Delivered Lumen: 81.9 lm
■ Vertical Beam Spread: 24.7°
■ Horizontal Beam Spread: 24.1°

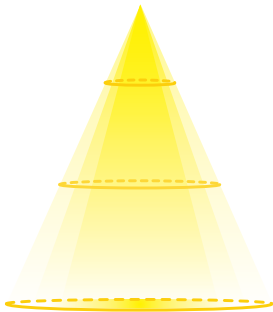
Tested on 20/09/2024

1W, 3000K, 90+ CRI

Polar Candela Distribution



Beam Width: 45°



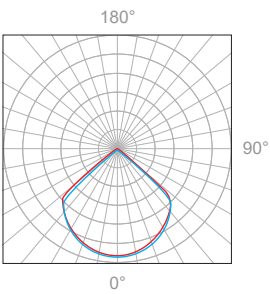
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	50.0fc	1.2ft	0.36m	1.3ft	0.39m
6.0ft	1.83m	12.5fc	2.3ft	0.70m	2.5ft	0.76m
9.0ft	2.74m	5.56fc	3.5ft	1.06m	3.8ft	1.15m
12.0ft	3.65m	3.13fc	4.7ft	1.43m	5.1ft	1.55m
15.0ft	4.57m	2.00fc	5.8ft	1.76m	6.3ft	1.92m
18.0ft	5.48m	1.39fc	7.0ft	2.13m	7.6ft	2.31m

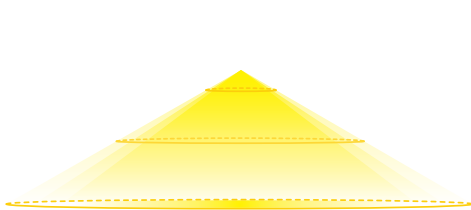
Delivered Lumen: 76.8 lm
■ Vertical Beam Spread : 42.5°
■ Horizontal Beam Spread : 45.8°

Tested on 20/09/2024

Polar Candela Distribution



Beam Width: 120°



Illuminance at a Distance

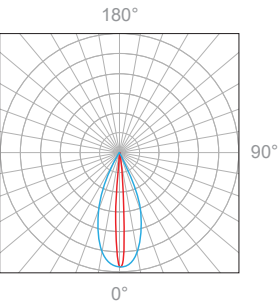
Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	17.2fc	3.4ft	1.03m	3.4ft	1.03m
3.0ft	0.91m	4.22fc	6.9ft	2.10m	6.9ft	2.10m
4.5ft	1.37m	1.91fc	10.3ft	3.14m	10.3ft	3.14m
6.0ft	1.83m	1.07fc	13.8ft	4.20m	13.8ft	4.20m
7.5ft	2.29m	0.69fc	17.2ft	5.24m	17.2ft	5.24m
9.0ft	2.74m	0.48fc	20.7ft	6.31m	20.7ft	6.31m

Delivered Lumen: 77.5 lm
■ Vertical Beam Spread : 97.9°
■ Horizontal Beam Spread : 97.9°

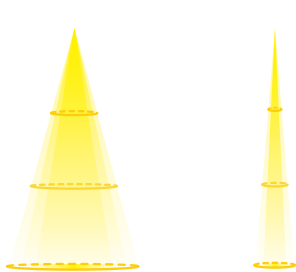
Tested on 20/09/2024

2W, 3000K, 90+ CRI

Polar Candela Distribution



Beam Width: 7° + 36°



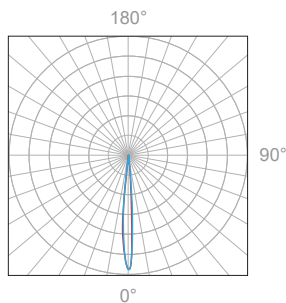
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	166fc	0.2ft	0.06m	1.9ft	0.58m
3.0ft	0.91m	41.6fc	0.3ft	0.09m	3.8ft	1.15m
4.5ft	1.37m	18.5fc	0.5ft	0.15m	5.7ft	1.73m
6.0ft	1.83m	10.4fc	0.7ft	0.21m	7.6ft	2.31m
7.5ft	2.29m	6.66fc	0.9ft	0.27m	9.5ft	2.89m
9.0ft	2.74m	4.62fc	1.0ft	0.30m	11.4ft	3.47m

Delivered Lumen: 64.3 lm
■ Vertical Beam Spread: 6.6°
■ Horizontal Beam Spread: 64.6°

Tested on 20/09/2024

Polar Candela Distribution



Beam Width: 8°



Illuminance at a Distance

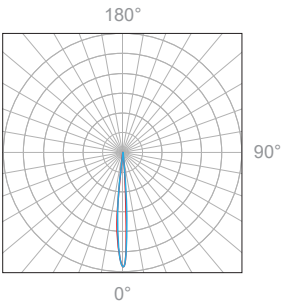
Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	1,158fc	0.2ft	0.06m	0.2ft	0.06m
3.0ft	0.91m	290fc	0.4ft	0.12m	0.4ft	0.12m
4.5ft	1.37m	129fc	0.6ft	0.18m	0.6ft	0.18m
6.0ft	1.83m	72.4fc	0.8ft	0.24m	0.8ft	0.24m
7.5ft	2.29m	46.3fc	1.0ft	0.30m	1.1ft	0.33m
9.0ft	2.74m	32.2fc	1.2ft	0.36m	1.3ft	0.39m

Delivered Lumen: 62.6 lm
■ Vertical Beam Spread: 7.7°
■ Horizontal Beam Spread: 8.1°

Tested on 20/09/2024

2W, 3000K, 90+ CRI

Polar Candela Distribution



Beam Width: 12°



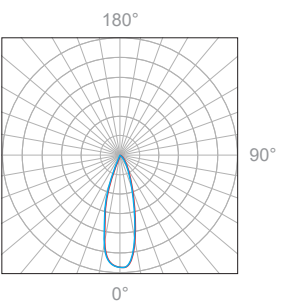
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	467fc	0.4ft	0.12m	0.4ft	0.12m
3.0ft	0.91m	117fc	0.9ft	0.27m	0.8ft	0.24m
4.5ft	1.37m	51.9fc	1.3ft	0.39m	1.3ft	0.39m
6.0ft	1.83m	29.2fc	1.8ft	0.55m	1.7ft	0.52m
7.5ft	2.29m	18.7fc	2.2ft	0.67m	2.1ft	0.64m
9.0ft	2.74m	13.0fc	2.6ft	0.79m	2.5ft	0.76m

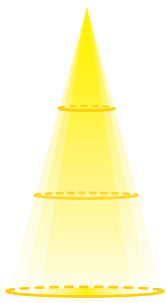
Delivered Lumen: 148.2 lm
■ Vertical Beam Spread: 16.7°
■ Horizontal Beam Spread: 16.0°

Tested on 20/09/2024

Polar Candela Distribution



Beam Width: 30°



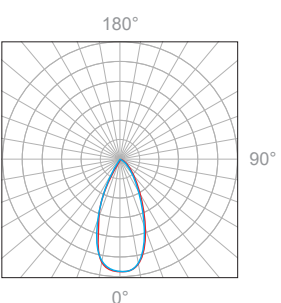
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	272fc	0.6ft	0.18m	0.6ft	0.18m
3.0ft	0.91m	67.9fc	1.3ft	0.39m	1.3ft	0.39m
4.5ft	1.37m	30.9fc	1.9ft	0.58m	1.9ft	0.58m
6.0ft	1.83m	17.0fc	2.6ft	0.79m	2.6ft	0.79m
7.5ft	2.29m	10.9fc	3.2ft	0.97m	3.2ft	0.97m
9.0ft	2.74m	7.54fc	3.9ft	1.18m	3.9ft	1.18m

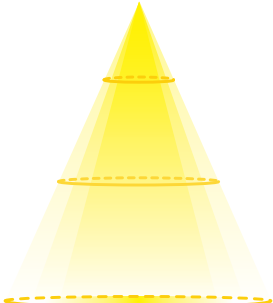
Delivered Lumen: 146.1 lm
■ Vertical Beam Spread: 24.2°
■ Horizontal Beam Spread: 24.1°

Tested on 20/09/2024

Polar Candela Distribution



Beam Width: 45°



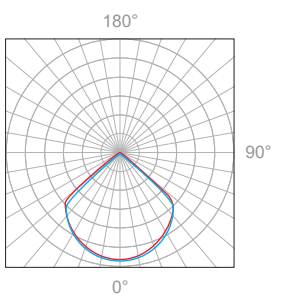
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	88.6fc	1.3ft	0.39m	1.2ft	0.36m
6.0ft	1.83m	22.2fc	2.6ft	0.79m	2.3ft	0.70m
9.0ft	2.74m	9.85fc	3.9ft	1.18m	3.5ft	1.06m
12.0ft	3.65m	5.54fc	5.2ft	1.58m	4.7ft	1.43m
15.0ft	4.57m	3.54fc	6.5ft	1.98m	5.8ft	1.76m
18.0ft	5.48m	2.46fc	7.9ft	2.40m	7.0ft	2.13m

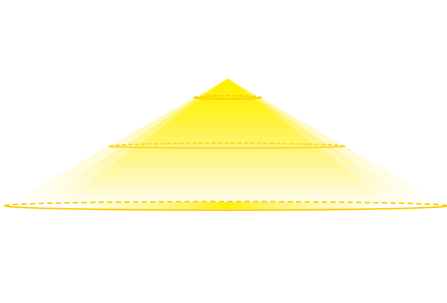
Delivered Lumen: 136.7 lm
■ Vertical Beam Spread : 47.2°
■ Horizontal Beam Spread : 42.4°

Tested on 20/09/2024

Polar Candela Distribution



Beam Width: 120°



Illuminance at a Distance

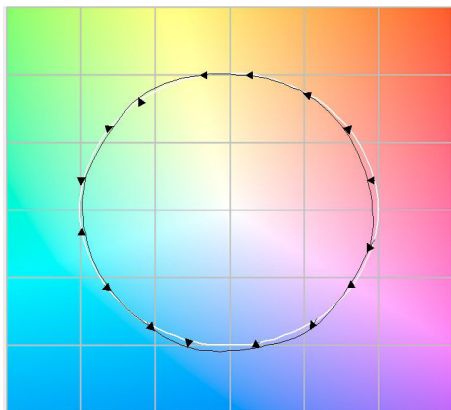
Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	30.7fc	3.5ft	1.06m	3.4ft	1.03m
3.0ft	0.91m	7.68fc	6.9ft	2.10m	6.9ft	2.10m
4.5ft	1.37m	3.41fc	10.4ft	3.17m	10.3ft	3.14m
6.0ft	1.83m	1.92fc	13.8ft	4.20m	13.8ft	4.20m
7.5ft	2.29m	1.23fc	17.3ft	5.27m	17.2ft	5.24m
9.0ft	2.74m	0.85fc	20.7ft	6.31m	20.7ft	6.31m

Delivered Lumen: 137.2 lm
■ Vertical Beam Spread : 98.0°
■ Horizontal Beam Spread : 97.9°

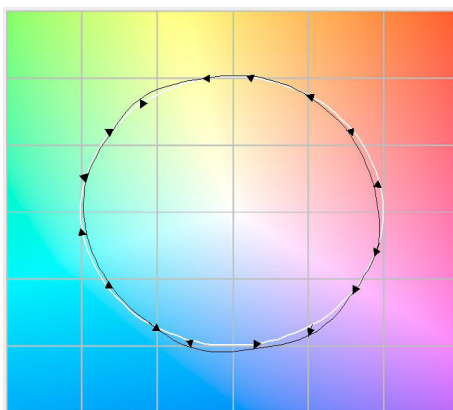
Tested on 20/09/2024

TM30 Report

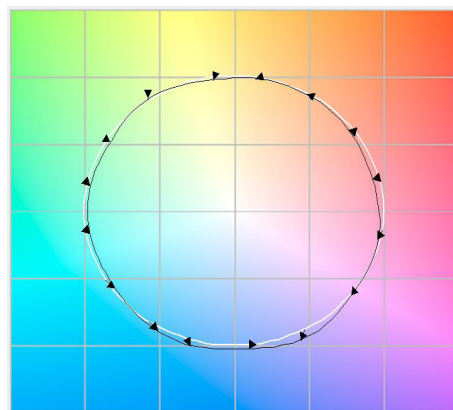
2700K, 90+CRI



3000K, 90+CRI

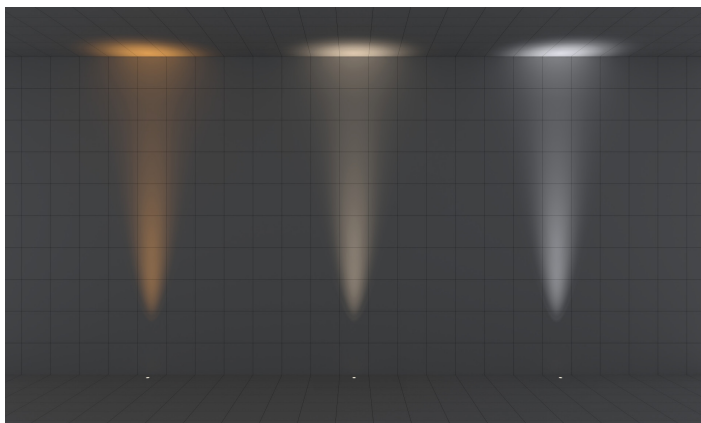


3500K, 90+CRI

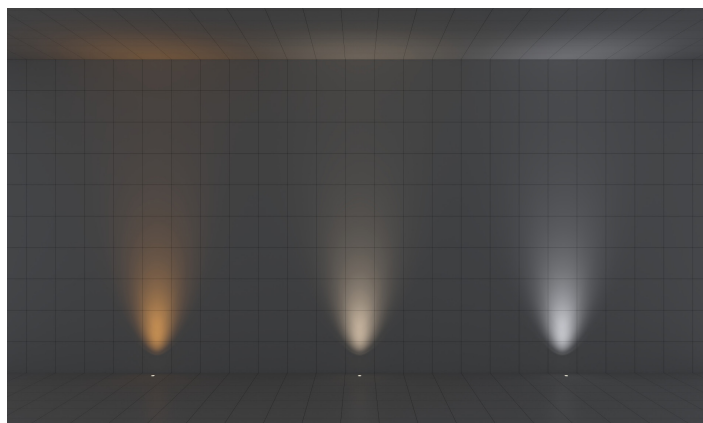


Colour Temperature Comparison | 2200K, 2700K, 3000K

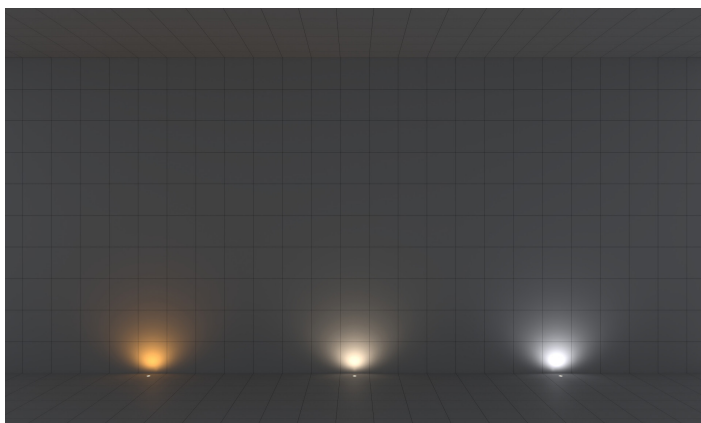
12° | 6" (152mm) Gap | 10ft Wall



30° | 6" (152mm) Gap | 10ft Wall

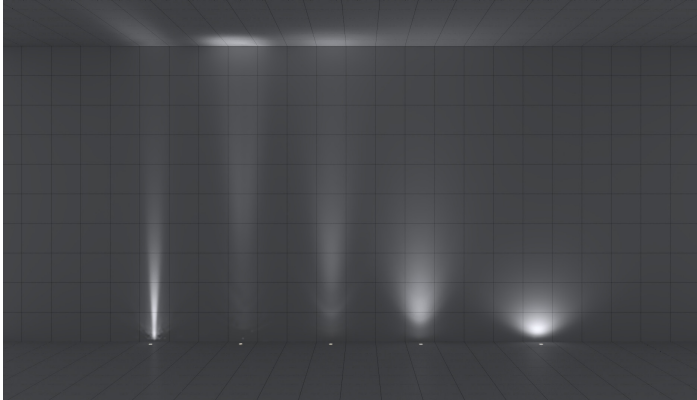


120° | 6" (152mm) Gap | 10ft Wall



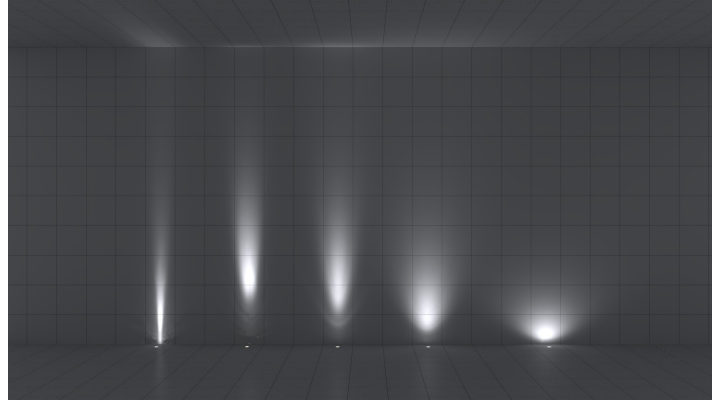
Light Distribution | 10ft Wall | Fixtures installed 6" (152mm) away from the wall

L02 | 1W | 0° angle bracket | 10ft wall | Clear Lens | 3000K



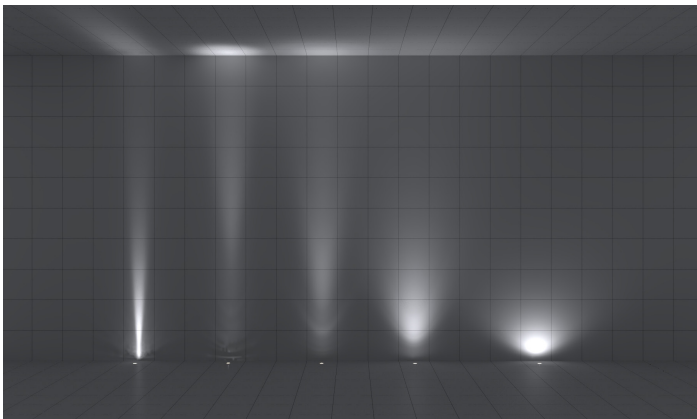
From left to right:
E elliptical 7°+ 36°
SS super spot 8°
S spot 12°
N narrow flood 30°
W wide flood 120°

L02 | 1W | 10° angle bracket | 10ft wall | Clear Lens | 3000K



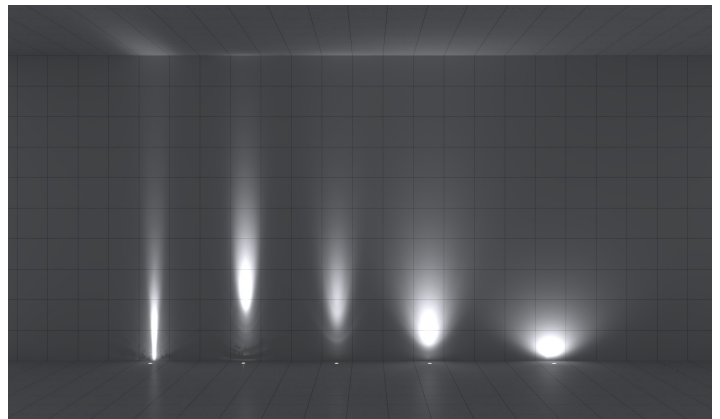
From left to right:
E elliptical 7°+ 36°
SS super spot 8°
S spot 12°
N narrow flood 30°
W wide flood 120°

L02 | 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°

L02 | 2W | 10° angle bracket | 10ft wall | Clear Lens | 3000K

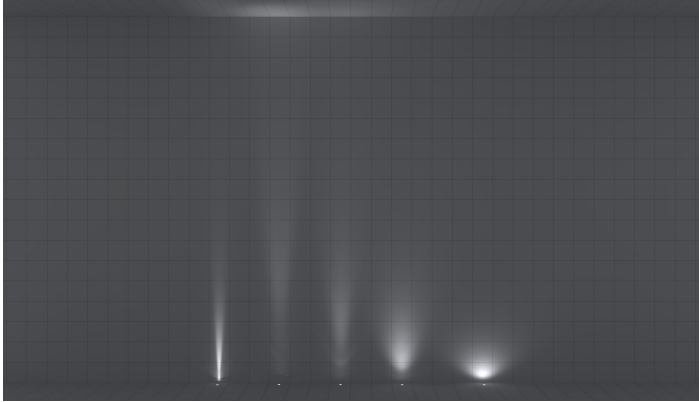


From left to right:
E elliptical 7°+ 36°
SS super spot 8°
S spot 12°
N narrow flood 30°
W wide flood 120°

* Images will appear darker when printed.

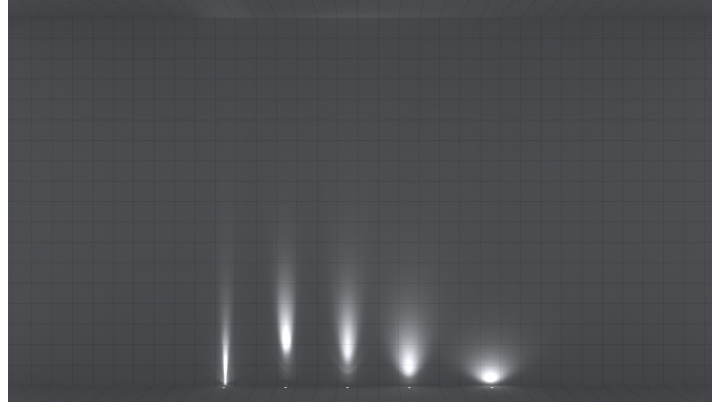
Light Distribution | 18ft Wall | Fixtures installed 6" (152mm) away from the wall

L02 | 1W | 0° angle bracket | 18ft wall | Clear Lens | 3000K



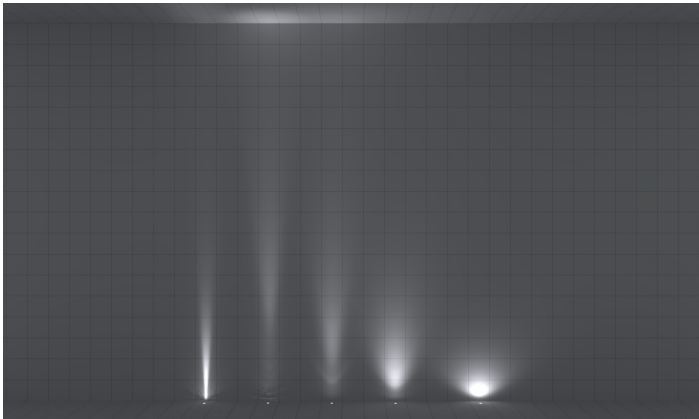
From left to right:
E elliptical 7°+ 36°
SS super spot 8°
S spot 12°
N narrow flood 30°
W wide flood 120°

L02 | 1W | 10° angle bracket | 18ft wall | Clear Lens | 3000K



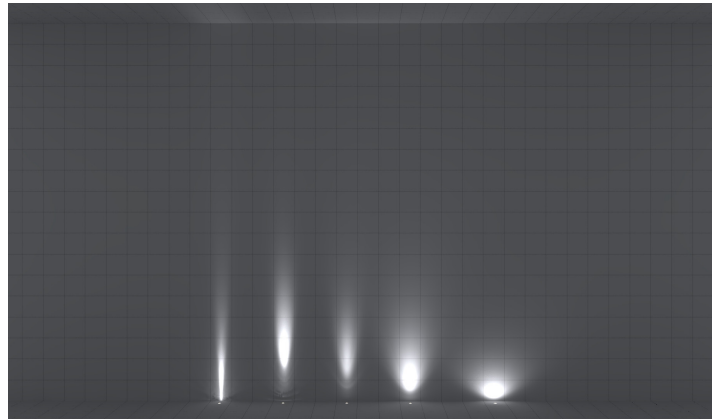
From left to right:
E elliptical 7°+ 36°
SS super spot 8°
S spot 12°
N narrow flood 30°
W wide flood 120°

L02 | 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°

L02 | 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°

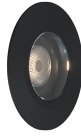
* Images will appear darker when printed.

Appendix

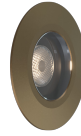
Aluminum Finishes



MA matte clear anodized



BA black anodized

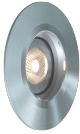


BZ bronze powder coated



WH white powder coated

Stainless Steel Finishes

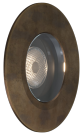


S6 stainless steel 316

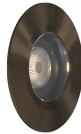


BT0 black stainless steel

Other Materials



ABZ antique bronze



ABR antique brass

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