

L301

INTERIOR

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

- Dry location



Ordering Information

Clear Form

Date : _____ Quantity : _____

Project : _____ Note : _____

Type : _____

Specifications

Luminaire | Example Code: L301-2-W30H-N-C-[]-0-S6

Product	Version	CCT & CRI ¹	Beam Angle ²	Lens	Accessories ³ (optional)	Internal Angle Bracket ⁴	Trim Finish ⁵
L301							
	1 1W 2 2W	W22S 2200K 80+ W27H 2700K 90+ W30H 3000K 90+ W35H 3500K 90+ W41H 4100K 90+	SS super spot 8° S spot 12° N narrow flood 30° F flood 45° W wide flood 120°	C clear F frosted	LM louver, matte anodized LB louver, black anodized HM hex louver, matte 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	0 no angle 30 30° angle X custom	Aluminum Finishes: MA matte clear anodized BA black anodized BZ bronze powder coated Stainless Steel Finish: S6 stainless steel 316

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. SS (super spot, 8°) and only available with Clear Lens, not available with Louver accessories or angle brackets.
3. Louvers will be below the glass cover.
4. Internal angle bracket is factory set, and cannot be field adjusted. 5° increments to maximum of 30° without accessories. 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.
6. Tamper-resistant.

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)
1W	350mA	1.3W	110 lm	29-33 lm
2W	700mA	2.6W	220 lm	47-53 lm

Application

Environment	Dry Location approved. IP 40.
Mounting	Comes with a steel flange (FLG-L02-ZP) that mounts to pre-installed standard 4" (102mm) octagonal box, 1-1/2"(38mm) deep minimum and 1/4"(6mm) setback from face of finished surface material. Can be wall or ceiling mounted.

Electrical

Electrical	Remote LED drivers (120-277V AC input, constant current output): Fixtures to be wired in series.
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 Aluminum Insert & Mounting Flange only.
Material	Fixture: machined marine-grade 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
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Mounting Options & Dimensions

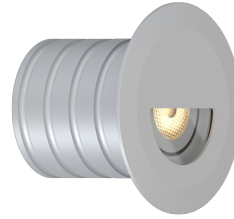
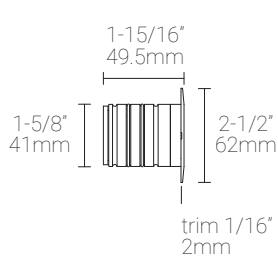
LED Insert Dimensions

Fixture

Top View

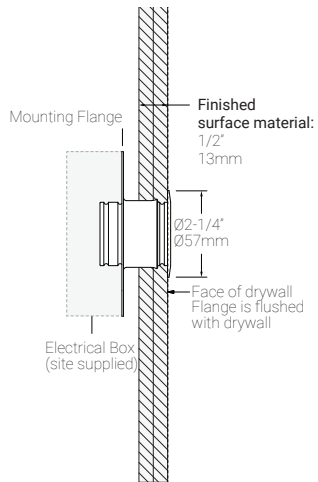
3D View

Beam



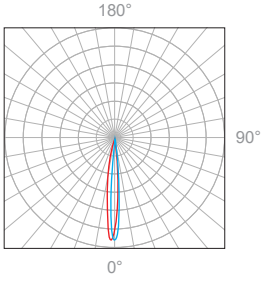
Wall Installation (shown with **EBX-L02-ZP** mounting flange)

Fixture with a mounting flange



Photometric Report | 1W, 3000K, 90+ CRI

Polar Candela Distribution



Beam Width: 8°

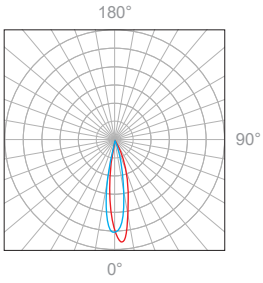


Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	280fc	0.2ft	0.06m	0.2ft	0.06m
3.0ft	0.91m	70fc	0.5ft	0.15m	0.4ft	0.12m
4.5ft	1.37m	31.1fc	0.7ft	0.21m	0.6ft	0.18m
6.0ft	1.83m	17.5fc	0.9ft	0.27m	0.8ft	0.24m
7.5ft	2.29m	11.2fc	1.2ft	0.36m	1.1ft	0.33m
9.0ft	2.74m	7.78fc	1.4ft	0.42m	1.3ft	0.39m

Delivered Lumen: 18 lm
 ■ Vertical Beam Spread: 8.9°
 ■ Horizontal Beam Spread: 8.0°

Polar Candela Distribution



Beam Width: 12°

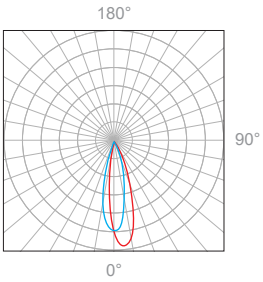


Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	123fc	0.6ft	0.18m	0.5ft	0.15m
3.0ft	0.91m	30fc	1.1ft	0.34m	1.0ft	0.30m
4.5ft	1.37m	13fc	1.7ft	0.52m	1.6ft	0.49m
6.0ft	1.83m	5.7fc	2.3ft	0.70m	2.1ft	0.64m
7.5ft	2.29m	4.7fc	2.9ft	0.88m	2.6ft	0.79m
9.0ft	2.74m	3.1fc	3.4ft	1.04m	3.1ft	0.95m

Delivered Lumen: 33 lm
 ■ Vertical Beam Spread: 14.0°
 ■ Horizontal Beam Spread: 14.3°

Polar Candela Distribution



Beam Width: 30°

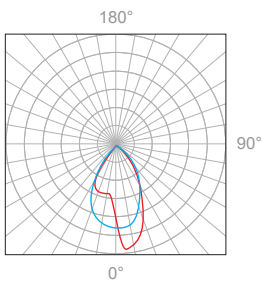


Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	79fc	0.8ft	0.24m	0.6ft	0.18m
3.0ft	0.91m	20fc	1.6ft	0.49m	1.3ft	0.40m
4.5ft	1.37m	8.8fc	2.4ft	0.73m	1.9ft	0.58m
6.0ft	1.83m	5fc	3.2ft	0.98m	2.6ft	0.79m
7.5ft	2.29m	3.1fc	4.0ft	1.22m	3.2ft	0.98m
9.0ft	2.74m	1.9fc	4.8ft	1.46m	3.8ft	1.16m

Delivered Lumen: 33 lm
 ■ Vertical Beam Spread: 29.9°
 ■ Horizontal Beam Spread: 24.1°

Polar Candela Distribution



Beam Width: 45°

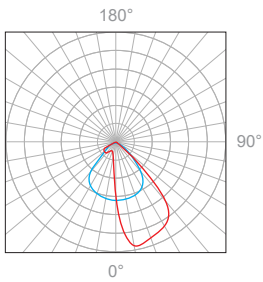


Illuminance at a Distance

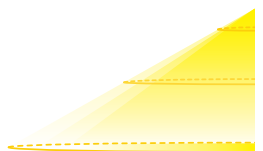
Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	6.07fc	2.3ft	0.70m	1.5ft	0.45m
6.0ft	1.83m	1.52fc	4.7ft	1.43m	3.0ft	0.91m
9.0ft	2.74m	0.67fc	7.0ft	2.13m	4.5ft	1.37m
12.0ft	3.65m	0.38fc	9.3ft	2.83m	5.9ft	1.79m
15.0ft	4.57m	0.24fc	11.7ft	3.56m	7.4ft	2.25m
18.0ft	5.48m	0.17fc	14.0ft	4.26m	8.9ft	2.71m

Delivered Lumen: 41 lm
 ■ Vertical Beam Spread: 42.5°
 ■ Horizontal Beam Spread: 27.8°

Polar Candela Distribution



Beam Width: 120°



Illuminance at a Distance

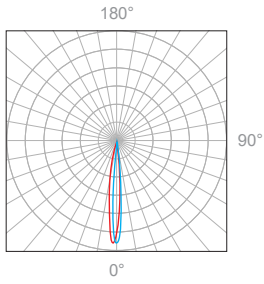
Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	6.6fc	2.7ft	0.82m	1.2ft	0.37m
3.0ft	0.91m	2.7fc	5.4ft	1.65m	2.5ft	0.76m
4.5ft	1.37m	1.3fc	8.0ft	2.40m	3.7ft	1.13m
6.0ft	1.83m	0.73fc	10.7ft	3.26m	4.9ft	1.49m
7.5ft	2.29m	0.47fc	13.4ft	4.08m	6.1ft	1.86m
9.0ft	2.74m	0.32fc	16.1ft	4.91m	7.4ft	2.26m

Delivered Lumen: 29 lm
 ■ Vertical Beam Spread : 83.6°
 ■ Horizontal Beam Spread : 44.4°

Photometric Report | 2W, 3000K, 90+ CRI

Polar Candela Distribution

Beam Width: 8°



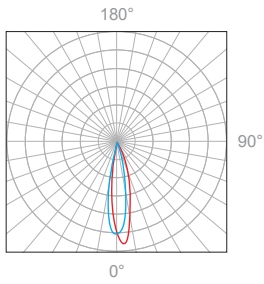
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	479fc	0.2ft	0.06m	0.2ft	0.06m
3.0ft	0.91m	120fc	0.5ft	0.15m	0.4ft	0.12m
4.5ft	1.37m	53.3fc	0.7ft	0.21m	0.7ft	0.21m
6.0ft	1.83m	30.0fc	0.9ft	0.27m	0.9ft	0.27m
7.5ft	2.29m	19.2fc	1.1ft	0.33m	1.1ft	0.33m
9.0ft	2.74m	13.3fc	1.4ft	0.42m	1.3ft	0.39m

Delivered Lumen: 31.9 lm
 ■ Vertical Beam Spread: 8.7°
 ■ Horizontal Beam Spread: 8.3°

Polar Candela Distribution

Beam Width: 12°



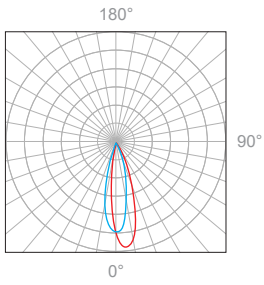
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	285fc	0.6ft	0.18m	0.5ft	0.15m
3.0ft	0.91m	91fc	1.1ft	0.34m	1.0ft	0.30m
4.5ft	1.37m	32fc	1.7ft	0.52m	1.6ft	0.49m
6.0ft	1.83m	17fc	2.3ft	0.70m	2.1ft	0.64m
7.5ft	2.29m	11fc	2.9ft	0.88m	2.6ft	0.79m
9.0ft	2.74m	7.2fc	3.4ft	1.04m	3.1ft	0.95m

Delivered Lumen: 53 lm
 ■ Vertical Beam Spread: 14.0°
 ■ Horizontal Beam Spread: 14.3°

Polar Candela Distribution

Beam Width: 30°



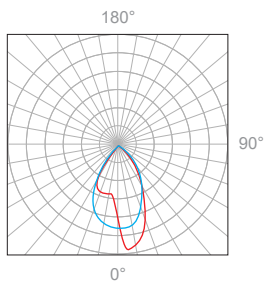
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	171fc	0.8ft	0.24m	0.6ft	0.18m
3.0ft	0.91m	41fc	1.6ft	0.49m	1.3ft	0.40m
4.5ft	1.37m	18fc	2.4ft	0.73m	1.9ft	0.58m
6.0ft	1.83m	9.4fc	3.2ft	0.98m	2.6ft	0.79m
7.5ft	2.29m	6fc	4.0ft	1.22m	3.2ft	0.98m
9.0ft	2.74m	4.2fc	4.8ft	1.46m	3.8ft	1.16m

Delivered Lumen: 52 lm
 ■ Vertical Beam Spread: 29.9°
 ■ Horizontal Beam Spread: 24.1°

Polar Candela Distribution

Beam Width: 45°



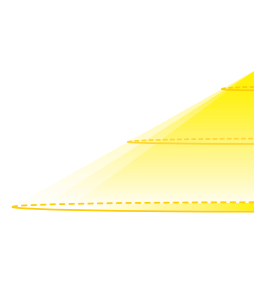
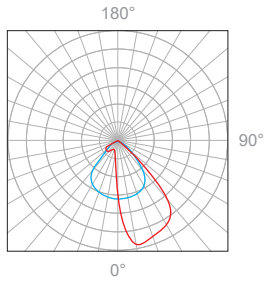
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	1.11fc	2.3ft	0.70m	1.5ft	0.45m
6.0ft	1.83m	2.77fc	4.7ft	1.43m	3.0ft	0.91m
9.0ft	2.74m	1.23fc	7.1ft	2.16m	4.5ft	1.37m
12.0ft	3.65m	0.69fc	9.5ft	2.89m	6.0ft	1.82m
15.0ft	4.57m	0.44fc	11.8ft	3.59m	7.5ft	2.28m
18.0ft	5.48m	0.31fc	14.2ft	4.32m	9.0ft	2.74m

Delivered Lumen: 73.6 lm
 ■ Vertical Beam Spread: 43°
 ■ Horizontal Beam Spread: 28.2°

Polar Candela Distribution

Beam Width: 120°



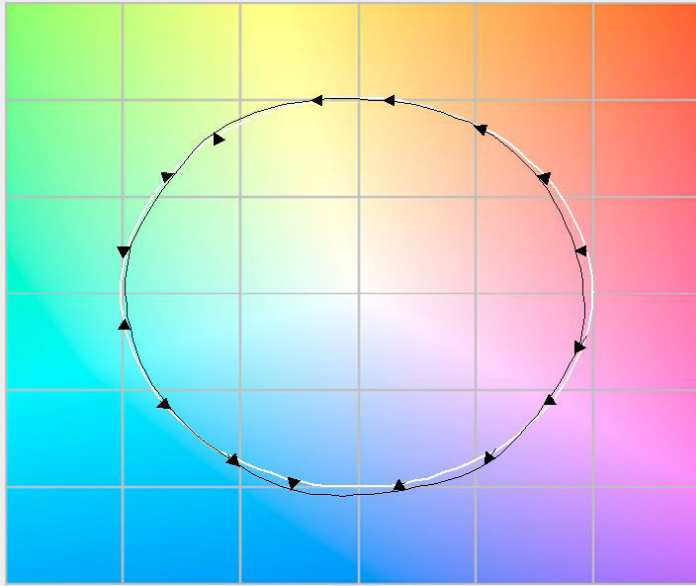
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	11fc	2.7ft	0.82m	1.2ft	0.37m
3.0ft	0.91m	4.9fc	5.4ft	1.65m	2.5ft	0.76m
4.5ft	1.37m	2.4fc	8.0ft	2.40m	3.7ft	1.13m
6.0ft	1.83m	1.4fc	10.7ft	3.26m	4.9ft	1.49m
7.5ft	2.29m	0.93fc	13.4ft	4.08m	6.1ft	1.86m
9.0ft	2.74m	0.64fc	16.1ft	4.91m	7.4ft	2.26m

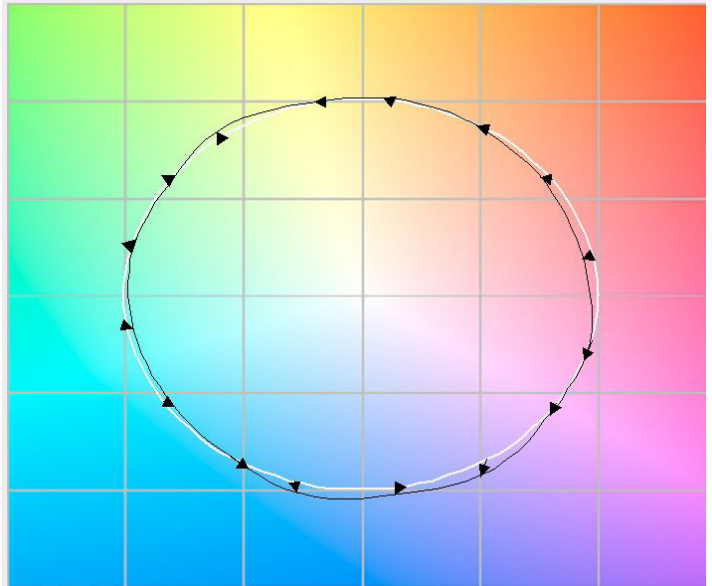
Delivered Lumen: 47 lm
 ■ Vertical Beam Spread : 83.6°
 ■ Horizontal Beam Spread : 44.4°

TM30 Report

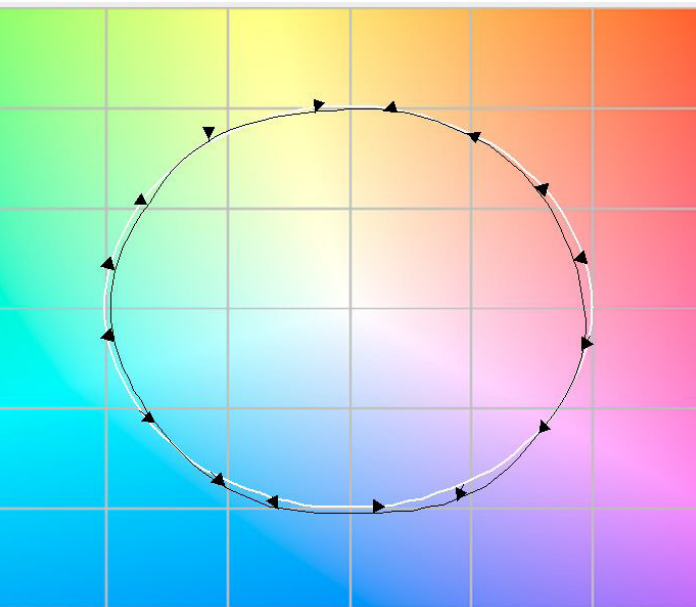
2700K, 90+CRI



3000K, 90+CRI

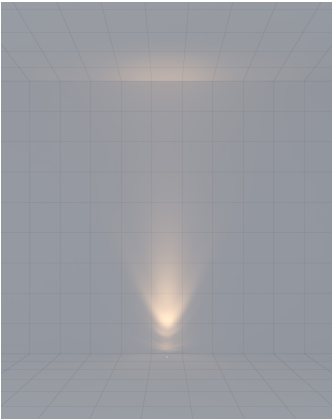


3500K, 90+CRI

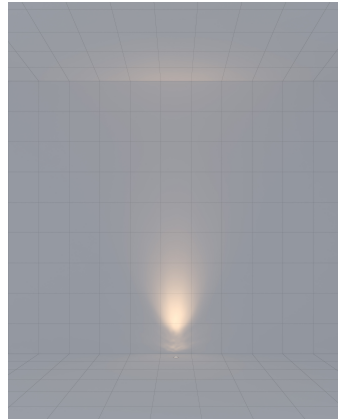


Light Distribution | 9ft Wall | Fixtures installed 6" (152mm) away from the wall

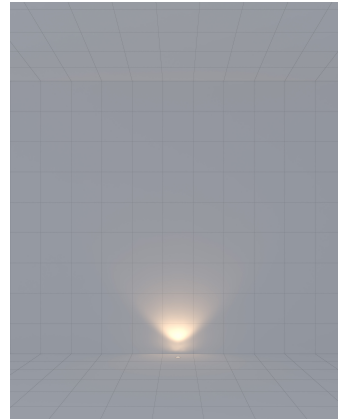
L300 | 1W | 0° angle bracket | 9ft Wall | Clear Lens | 3000K



S Spot 12°

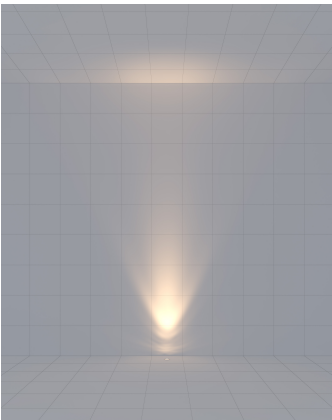


N Narrow flood 30°

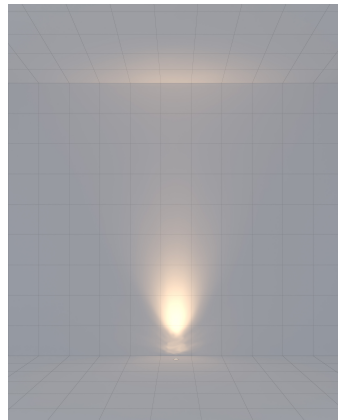


W Wide flood 120°

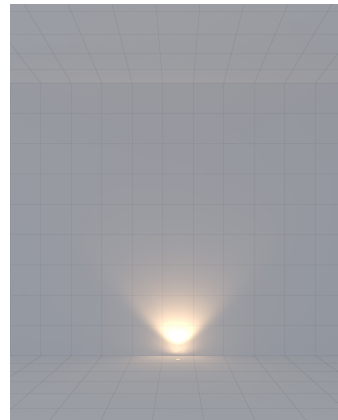
L300 | 2W | 0° angle bracket | Clear Lens | 3000K



S Spot 12°



N Narrow flood 30°



W Wide flood 120°

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

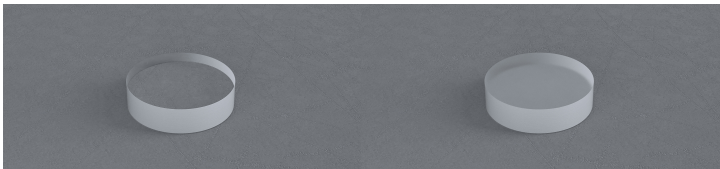


QB square louver, black anodized



RB ring louver, black anodized

Lens Options



C clear lens

F frosted