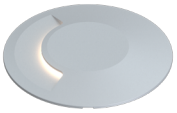
L08

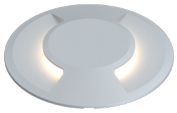
EXTERIOR | INTERIOR

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

- Wet, Damp, and Dry location



shown with single aperture and standard trim



shown with double aperture and tall trim

Ordering Information

Clear Form

Date : _____

Project : _____

Type : _____

Quantity : _____

Note : _____

Specifications

Luminaire | Example Code: L08-S-2-W30H-D-S-MK3-S6

Product	Aperture Height	Version	CCT & CRI [1]	Aperture	Mounting Kit [2] (optional)	Flange & Back Box [3]	Trim Finish [6]
L08							
	S standard (1.5mm) **T** tall (3mm)	**1** 1W **2** 2W	**Standard (80+) CRI:** **W22S** 2200K 80+ **High (90+) CRI:** **W27H** 2700K 90+ **W30H** 3000K 90+ **W35H** 3500K 90+ **W40H** 4000K 90+	**S** single **D** double	**MK1** vertical surface **MK3** in-ground	**Octagonal Aluminum Back Box with:** **S** standard flange depth: 3-1/5" (89mm) **P** paving stone flange depth: 5-1/2" (138mm) [4] **Pipe [5]:** **PIPE** 1-5/8" PVC pipe length: 11-13/16" (300mm) **NB** no back box or flange	**Aluminum Finishes:** **MA** matte clear anodized **BA** black anodized **BZ** bronze powder coated **Stainless Steel Finish:** **S6** stainless steel 316L

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. *Mounting kit is ordered separately. Please consult factory.*
3. *For components included, refer to Luminaire Construction section. See pg.3 for back box and flange options.*
4. *Paving stone flange is also recommended for a better cement/concrete flow.*
5. *Factory set length of 11-13/16" (300mm). Visit PIPE-C for details.*
6. *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.*

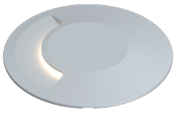
Warranty Notes & Disclaimer

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.

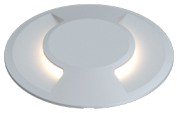
L08

EXTERIOR | INTERIOR
In-grade | For ground, ceilings, walls, and stairs

- Wet, Damp, and Dry location



shown with single aperture and standard trim



shown with double aperture and tall trim

Performance

Wattage	Forward Current	Power Consumption Budget per fixture (including driver)	LED output (Source)	Fixture Output (Delivered)
1W	350mA	1.3W	110 lm	1.1-3 lm
2W	700mA	2.6W	220 lm	1.5-6.4 lm

Application

Environment	Dry / Damp / Wet Location approved. IP 68.
BUG Rating	B0 - U0 - G0
Drive Over Rating	9,700 lbs (4,400 kg)
Mounting	**Recessed:** Designed to be cast into concrete or placed into earth, gravel, paving stones or pavers. Includes backbox, flange and level for direct burial or casting applications. **MK1 mounting kit (optional):** Recommended for easy installation on vertical surfaces (e.g. stair risers, walls), and downward-facing surfaces (e.g. ceilings, soffits). See "Mounting Options & Dimensions, " or visit MK1 **MK3 mounting kit (optional):** Recommended for thicker concrete slab and paving stone in-ground installation. Custom rectangular electrical box option is available for stair riser&wall installation. See "Mounting Options & Dimensions, " or visit MK3

Electrical

Electrical	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 **W40H =** CCT: 4000K, CRI (Ra): 90+, Colour Consistency: 0SDCM
Weight	1.8 lbs (0.816 kg). Typical Aluminum Insert & Back Box only.
Material	Machined marine-grade aluminum, machined brass or machined stainless steel (316L) with tempered glass
Supplied with	Comes with an octagonal back box, a flange, an integral leveling device, a plastic cap, gel filled wire nuts, and silicone grease. **Cable:** 6" (152mm) factory-installed wire lead
Warranty & LED Life	5 years limited warranty Estimated useful life of LED is 50,000 hours.

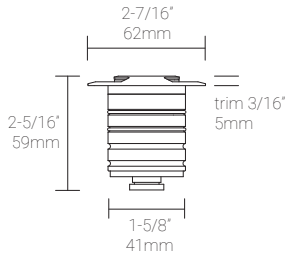
Ordered Separately

System Components	**Power supplies:** remote driver **Mounting kits:** MK1 or MK3 (custom length rebar in MK3 supplied by contractors) **Custom back boxes:** see Pg.3-4 Mounting Options & Dimensions.

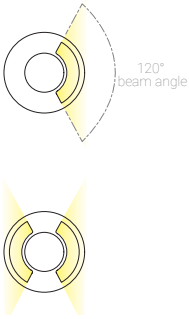
Mounting Options & Dimensions

LED Insert Dimensions

Fixture | Standard Flange

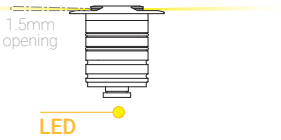


Top View



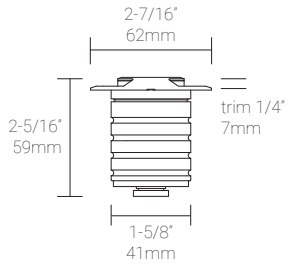
3D View

Beam

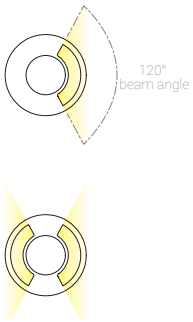


LED Insert Dimensions

Fixture | Tall Flange

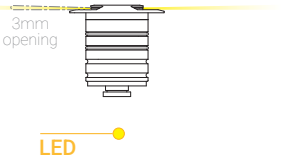


Top View



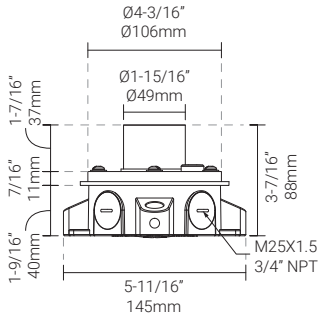
3D View

Beam

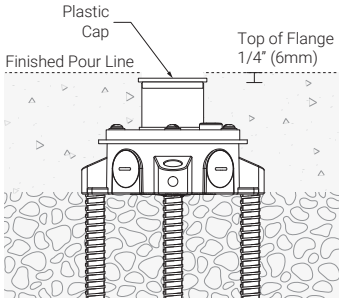


In-ground Installation | Shown with MP Lighting Back Box & Standard Flange (Order Code: EBX-OCT1-CSMA)

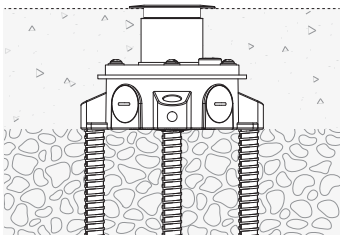
Box with Standard Flange



Box with Standard Flange:
During Concrete Installation

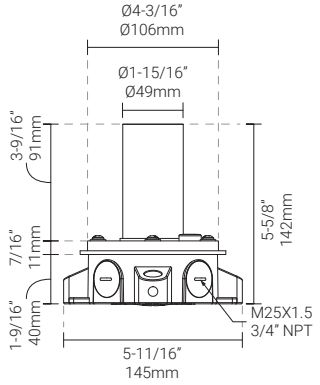


Box with Standard Flange:
Complete Concrete Installation

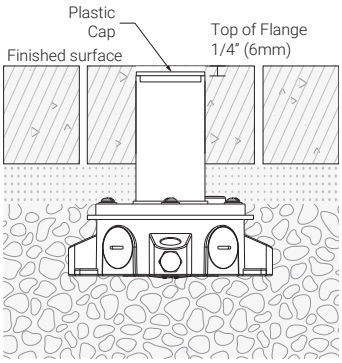


In-ground Installation | Shown with MP Lighting Back Box & Paving Stone Flange (Order Code: EBX-OCT1-CPMA)

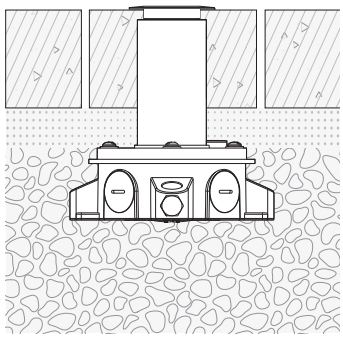
Box with Paving Stone Flange



Box with Paving Stone Flange:
During Paving Stone Installation



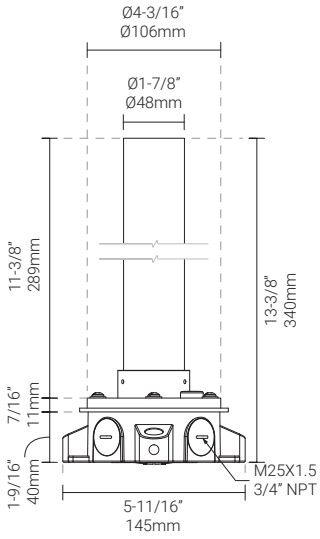
Box with Paving Stone Flange:
Complete Paving Stone Installation



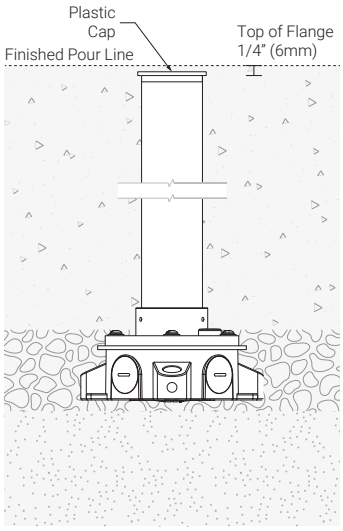
Mounting Options & Dimensions

PIPE (PIPE-C): In-ground/Landscape Installation | Shown with MP Lighting Back Box (Order Code: EBX-OCT1-CPIPE)

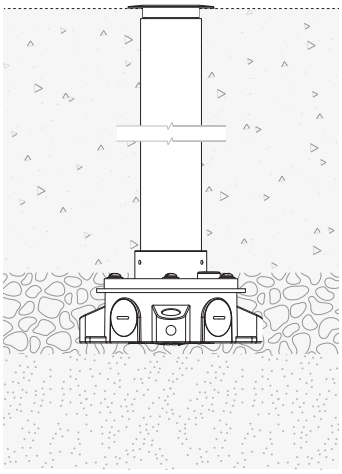
Box with PIPE-C



Box with PIPE-C:
During Concrete Installation



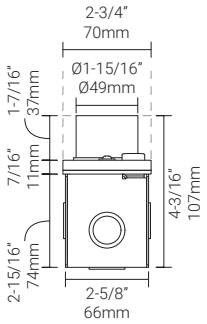
Box with PIPE-C:
Complete Concrete Installation



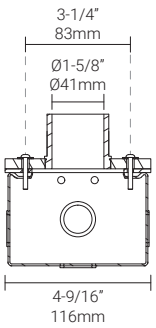
For wall Installation, rectangular electrical boxes are available as alternative options.

Wall Installation | Shown with MP Lighting Single Gang Stainless Steel Back Box (Order Code: EBX-SGB1-CSMA)

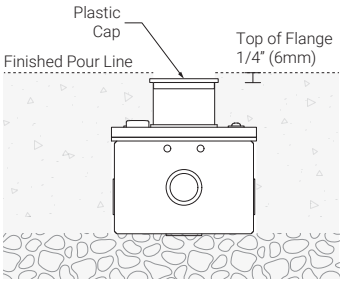
Box with Standard Flange:
Side View



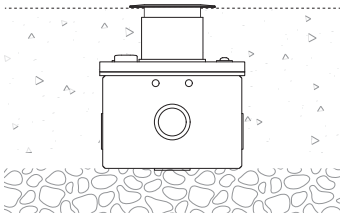
Box with Standard Flange:
Cross Section



Box with Standard Flange:
During Concrete Installation

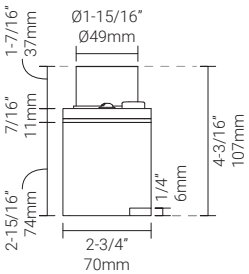


Box with Standard Flange:
Complete Concrete Installation

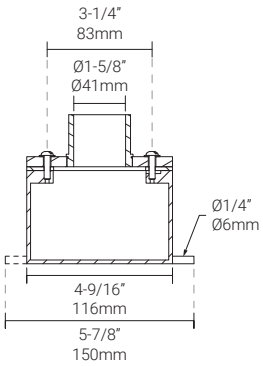


Wall Installation | Shown with Scepter FD Plastic Back Box (Order Code: EBX-SFD-CSMA)

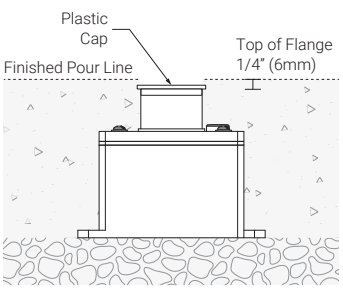
Box with Standard Flange:
Side View



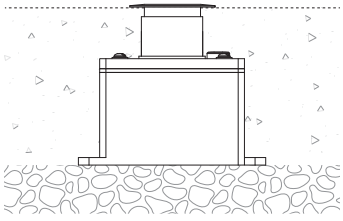
Box with Standard Flange:
Cross Section



Box with Standard Flange:
During Concrete Installation



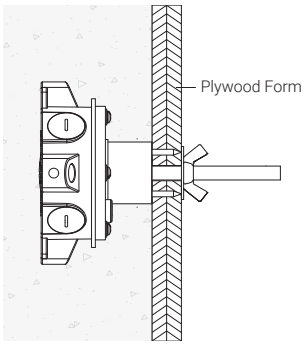
Box with Standard Flange:
Complete Concrete Installation



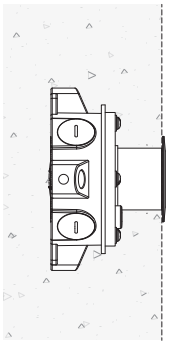
Mounting Options & Dimensions | MK1: Wall and Stair Riser Installation

Shown with MP Lighting Back Box (Order Code: EBX-OCT1-CSMA)

Box with Standard Flange & MK1: During Installation



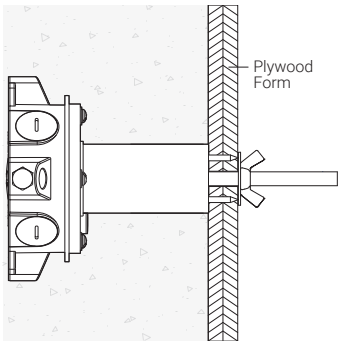
Box with Standard Flange & MK1: Complete Installation



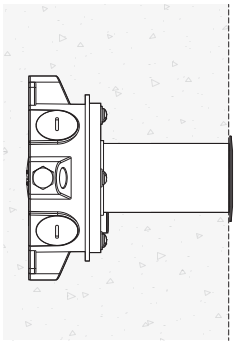
6" (152mm) threaded rod is supplied. Thread size: 3/8"-16

Shown with MP Lighting Back Box (Order Code: EBX-OCT1-CPMA)

Box with Paving Stone Flange & MK1: During Installation



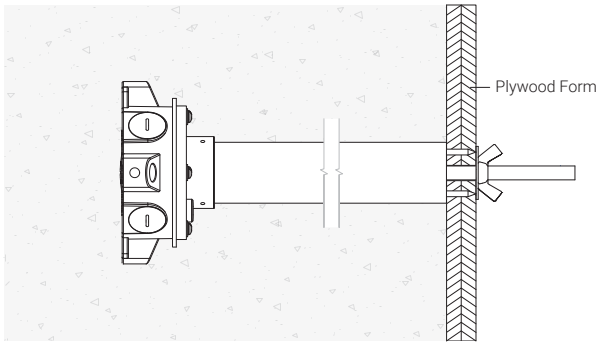
Box with Paving Stone Flange & MK1: Complete Installation



6" (152mm) threaded rod is supplied. Thread size: 3/8"-16

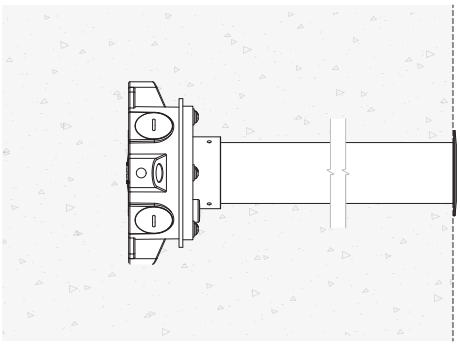
Shown with MP Lighting Back Box (Order Code: EBX-OCT1-CPIPE)

Box with Pipe & MK1: During Installation



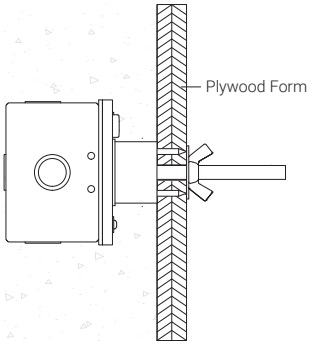
6" (152mm) threaded rod is supplied. Thread size: 3/8"-16

Box with Pipe & MK1: Complete Installation

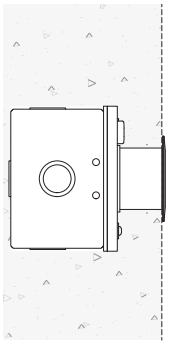


Shown with MP Lighting Single Gang Stainless Steel Back Box (Order Code: EBX-SGB1-CSMA)

Box with Standard Flange & MK1: During Installation



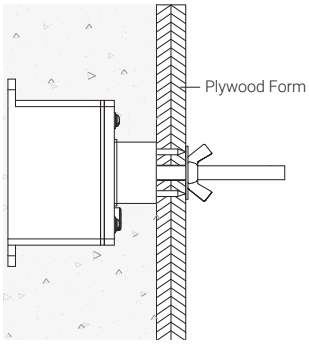
Box with Standard Flange & MK1: Complete Installation



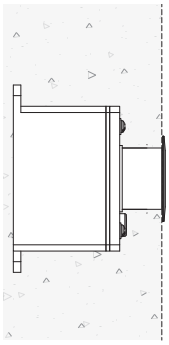
6" (152mm) threaded rod is supplied. Thread size: 3/8"-16

Shown with Scepter FD Plastic Back Box (Order Code: EBX-SFD-CSMA)

Box with Standard Flange & MK1: During Installation



Box with Standard Flange & MK1: Complete Installation

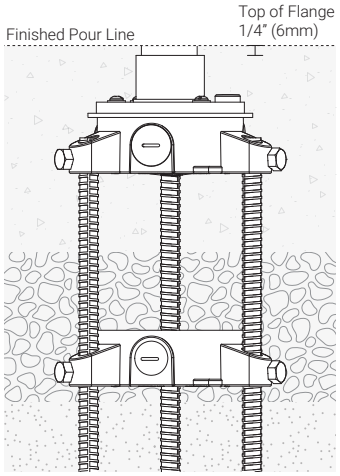


6" (152mm) threaded rod is supplied. Thread size: 3/8"-16

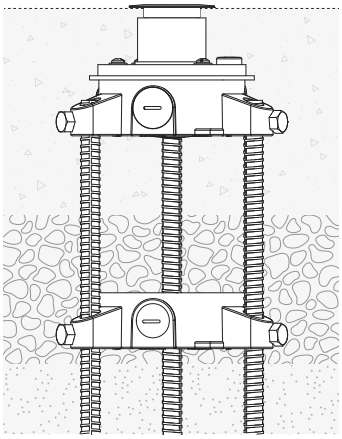
Mounting Options & Dimensions | MK3 (MK3-OCT1-C): In-ground Installation

Shown with MP Lighting Back Box (Order Code: EBX-OCT1-CSMA)

Box with Standard Flange & MK3: During Installation



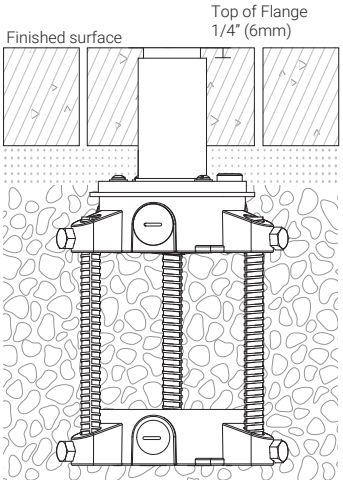
Box with Standard Flange & MK3: Complete Installation



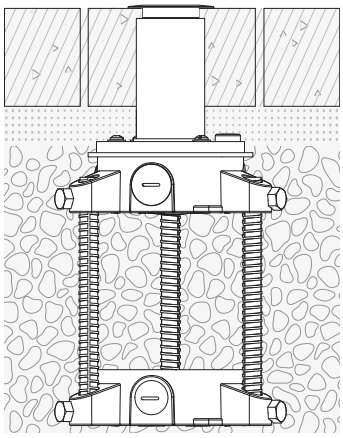
Rebar supplied by others.
Recommended size: Ø1/2"

Shown with MP Lighting Back Box (Order Code: EBX-OCT1-CPMA)

Box with Paving Stone Flange & MK3: During Installation



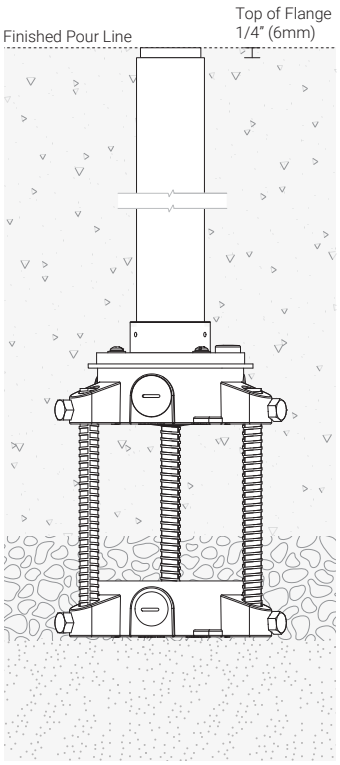
Box with Paving Stone Flange & MK3: Complete Installation



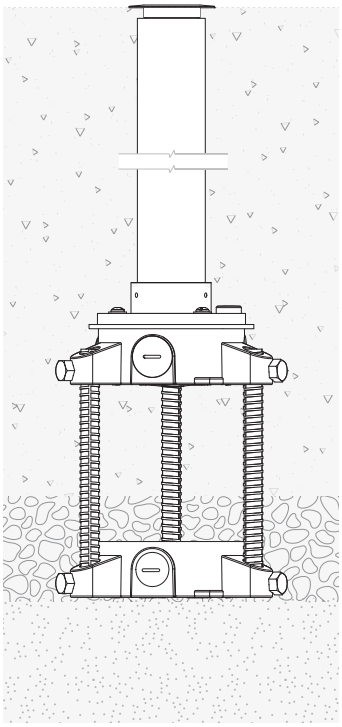
Rebar supplied by others.
Recommended size: Ø1/2"

Shown with MP Lighting Back Box (Order Code: EBX-OCT1-CPIPE)

Box with Pipe & MK3: During Installation



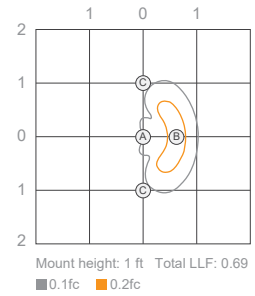
Box with Pipe & MK3: Complete Installation



Rebar supplied by others.
Recommended size: Ø1/2"

1W, 3000K, 90+ CRI | Standard Aperture Height

Isofootcandle Plot

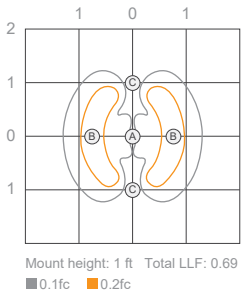


Illuminance at a Distance

Location	Center Beam fc
A	0.1fc
B	0.2fc
C	0.1fc

Delivered Lumen: 1.1 lm
Tested on 20/09/2024

Isofootcandle Plot



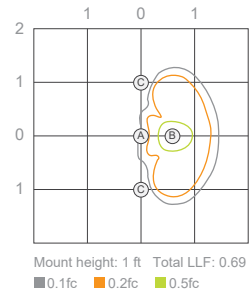
Illuminance at a Distance

Location	Center Beam fc
A	0.1fc
B	0.2fc
C	0.1fc

Delivered Lumen: 1.4 lm
Tested on 20/09/2024

2W, 3000K, 90+ CRI | Standard Aperture Height

Isofootcandle Plot

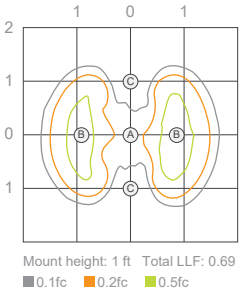


Illuminance at a Distance

Location	Center Beam fc
A	0.1fc
B	0.5fc
C	0.1fc

Delivered Lumen: 1.5 lm
Tested on 20/09/2024

Isofootcandle Plot



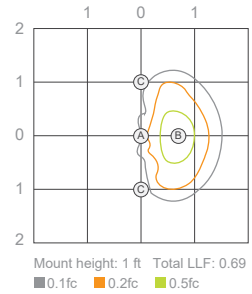
Illuminance at a Distance

Location	Center Beam fc
A	0.2fc
B	0.5fc
C	0.1fc

Delivered Lumen: 2.6 lm
Tested on 20/09/2024

1W, 3000K, 90+ CRI | Tall Aperture Height

Isofootcandle Plot

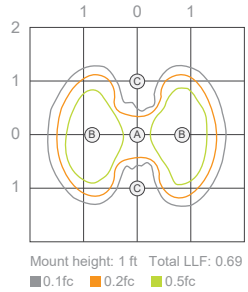


Illuminance at a Distance

Location	Center Beam fc
A	0.2fc
B	0.5fc
C	0.1fc

Delivered Lumen: 2.5 lm
Tested on 20/09/2024

Isofootcandle Plot



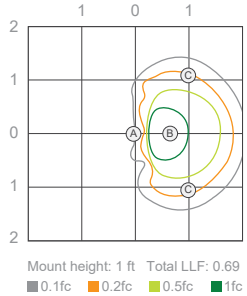
Illuminance at a Distance

Location	Center Beam fc
A	0.2fc
B	0.5fc
C	0.1fc

Delivered Lumen: 3 lm
Tested on 20/09/2024

2W, 3000K, 90+ CRI | Tall Aperture Height

Isofootcandle Plot

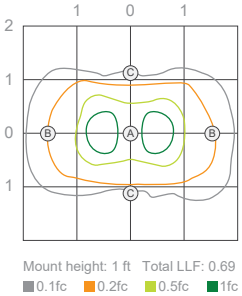


Illuminance at a Distance

Location	Center Beam fc
A	0.1fc
B	1.0fc
C	0.2fc

Delivered Lumen: 4.3 lm
Tested on 20/09/2024

Isofootcandle Plot



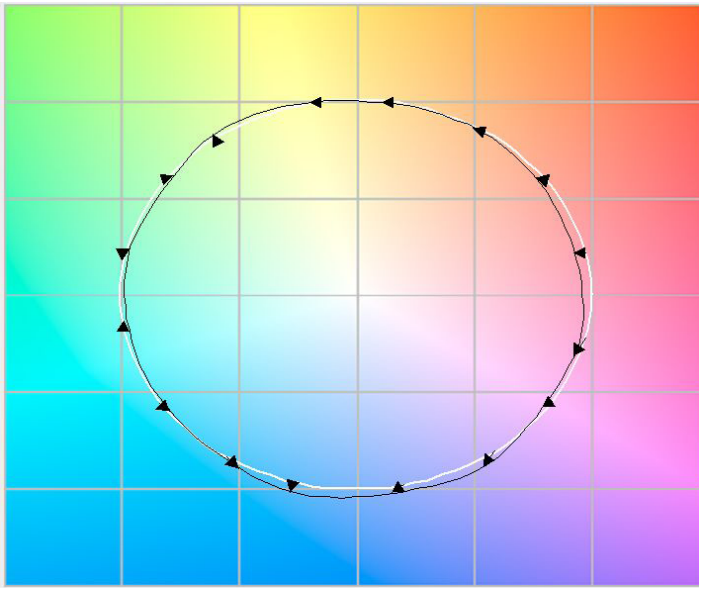
Illuminance at a Distance

Location	Center Beam fc
A	1.0fc
B	0.2fc
C	0.1fc

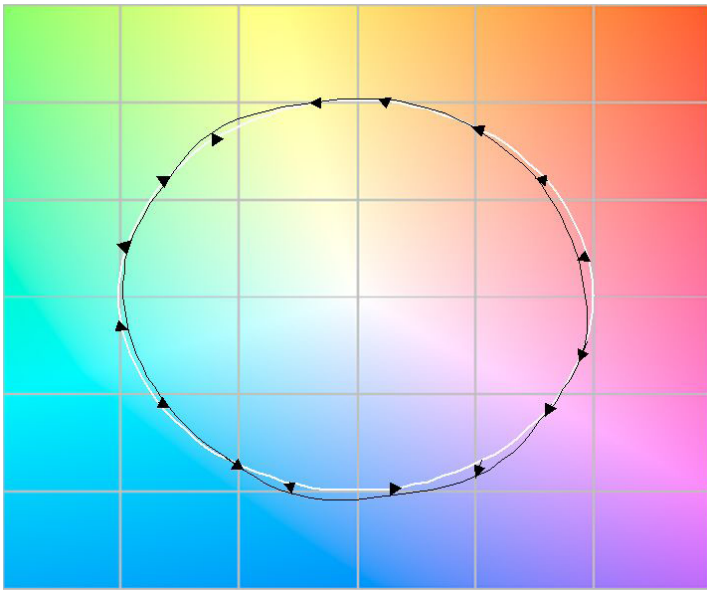
Delivered Lumen: 6.4 lm
Tested on 20/09/2024

TM30 Report

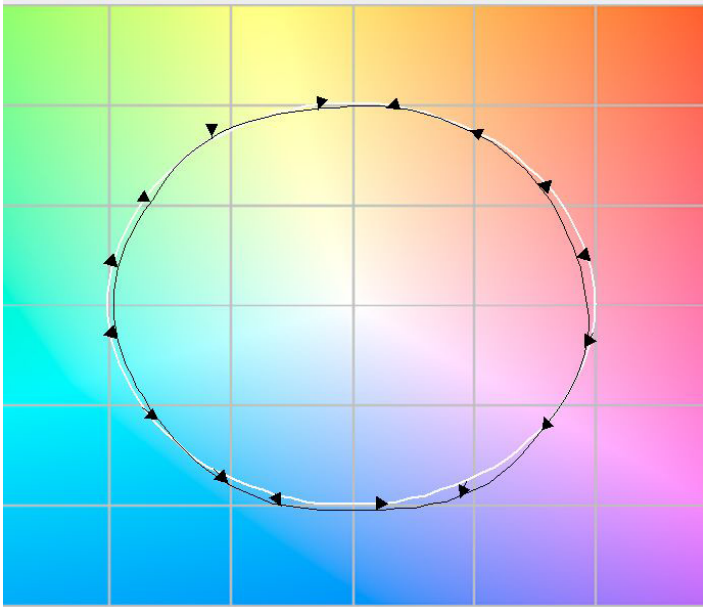
2700K, 90+CRI



3000K, 90+CRI

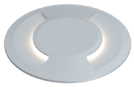


3500K, 90+CRI



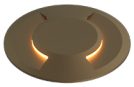
Appendix

Aluminum Finishes



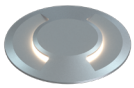
MA matte clear anodized

BA black anodized



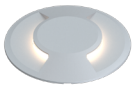
BZ bronze powder coated

Stainless Steel Finish



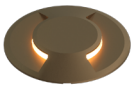
S6 stainless steel 316

Aluminum Finishes - Tall Trim



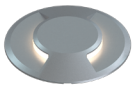
MA matte clear anodized

BA black anodized



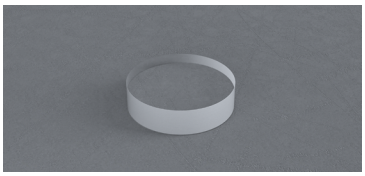
BZ bronze powder coated

Stainless Steel Finish - Tall Trim



S6 stainless steel 316L

Lens Options



C clear lens