TARGETTI

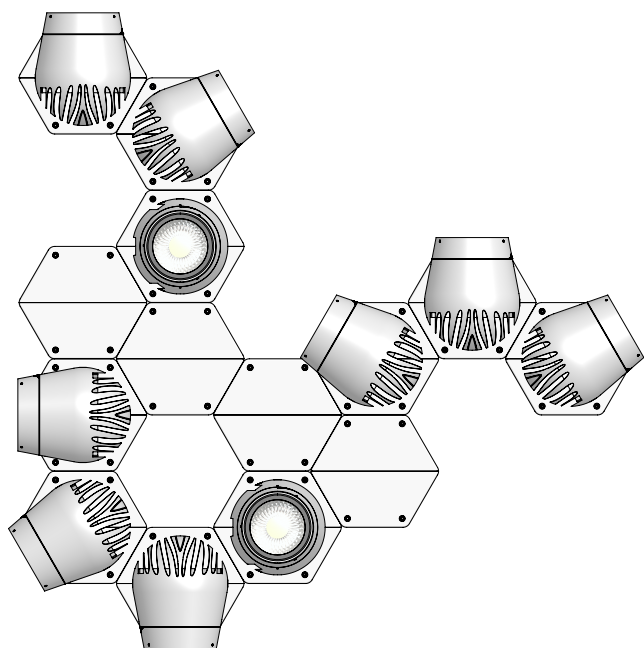# VADER

VADER-
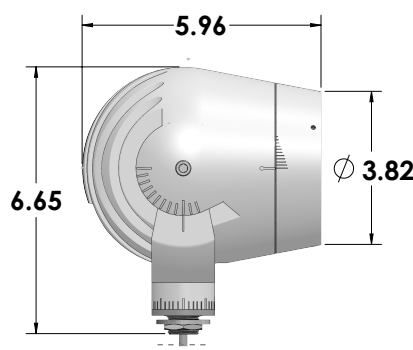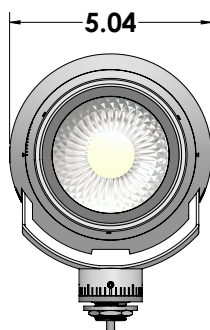
ALL-IN-ONE EXTREMELY ADJUSTABLE
FLOOD LIGHT PROJECTOR

If in doubt about the symbols, please refer to catalog or website

WARNING

To ensure maximum efficiency of the product, read the following instructions thoroughly prior to installation.

This fixture must be installed by a licensed and qualified electrician. The installer must comply with NEC and local building codes when installing the fixture

Electrical current can cause painful shock, serious injury, or even death. Make sure you turn off the power supply, ground fixture(s), and make sure all electrical connections are correct and secured
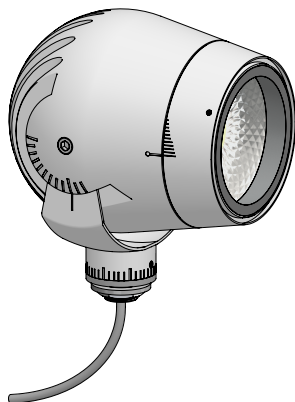
IP66 For use in IP66 installations.

Keep the label of the original packaging if any eventual future claims are needed

48 VDC   IP66   c(UL)us   IK09   -13°F to +122°F
         IP68^B   Class2

VADER FIXTURE

5.04

5.96

6.65   ∅ 3.82

Table of Contents

Packaging Contents

VADER Fixture 1ea.

FE – Ferrite Grey   **HB**— Heritage Brown

BZ — Bronze RAL8019   **WT**— White Textured

BT — Black Textured   **SG** — Sandstone Grey

7"x 8"x 8" Box @7.7lbs

Control Box
6" x 2.75" x 2.75"

Adjustment

90°

20°

2mm

355°

3mm

Lock

Tilt Rotation on the vertical axis of -20° to +90° with indication every 10 degrees and easy to use locking screw

The projector can be easily rotated of 360° on the horizontal plane with indication every 15 degrees and locked into place with locking screws

Zoom Optic

1.5mm

Lock

Locking Screw

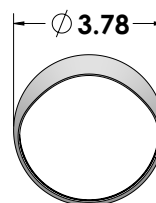**22°** ⬅⬜⬜➡ **41°**

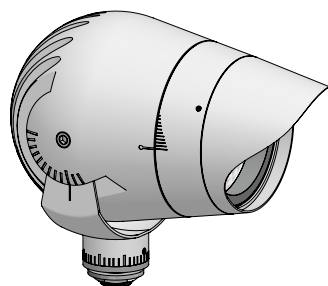from SP (22°) to MWFL (41°) with indication every 2 degrees and locking screw
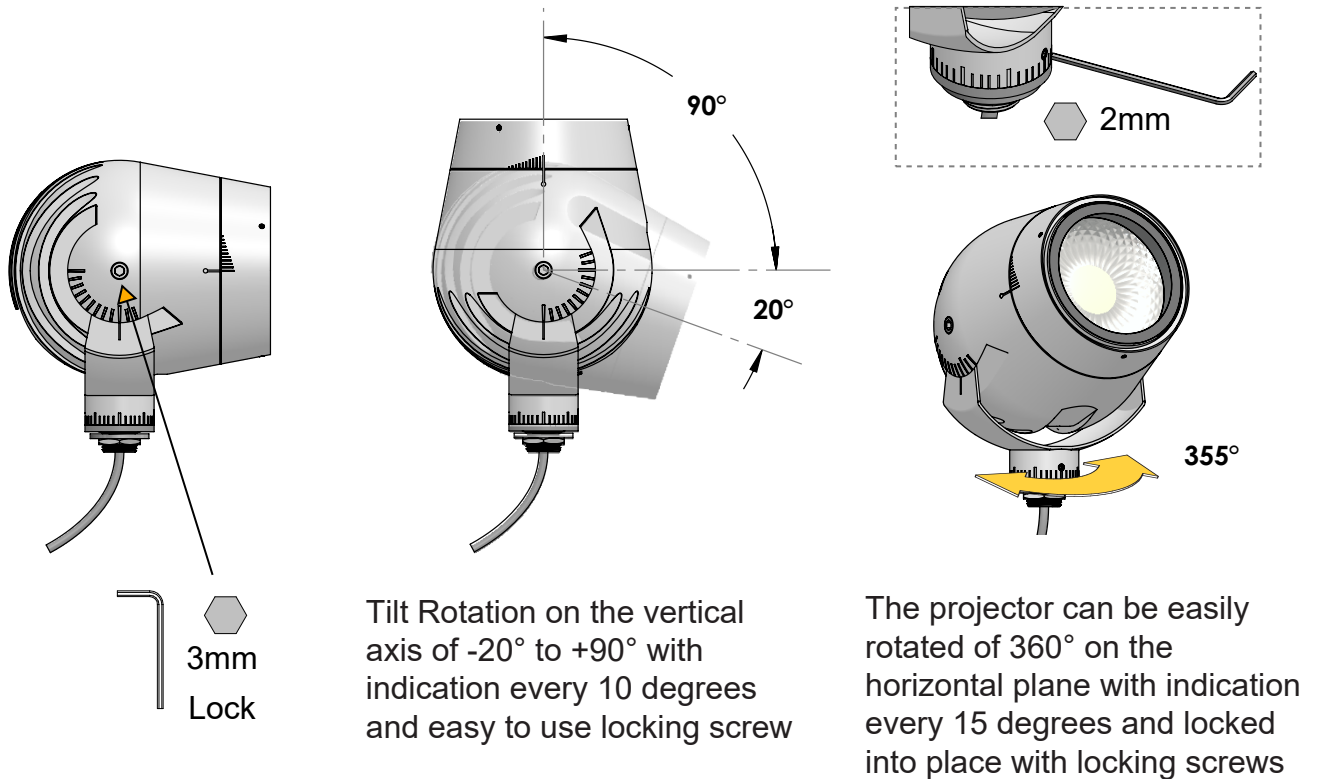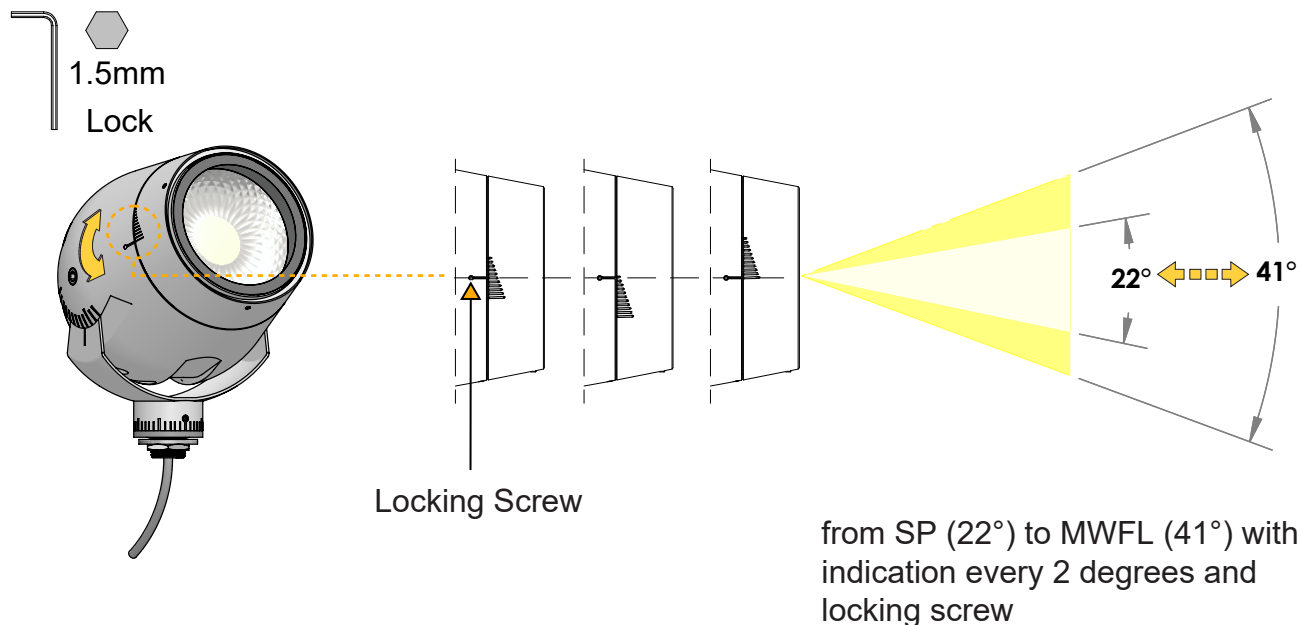
Optical Accessories (Optional)
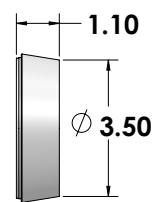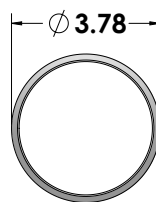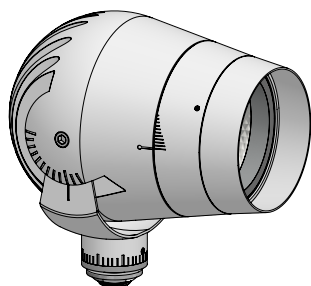
VADER symmetric snoot. Powder coated stainless steel.

⌀ 3.78   1.10   ⌀ 3.50
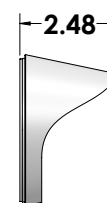
Part No.   **A036** (*)

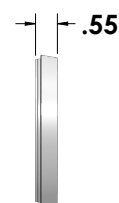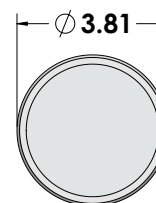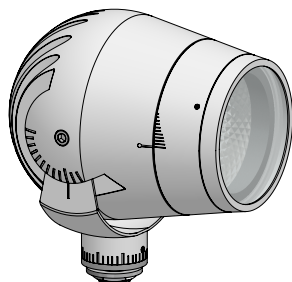**VADER asymmetric snoot.** Powder coated stainless steel.

⌀ 3.78   2.48
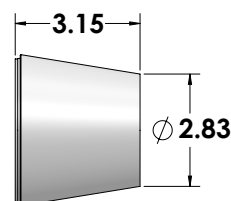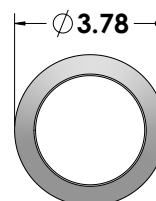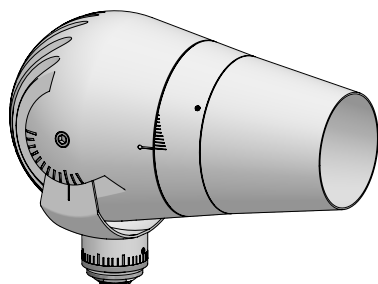
Part No.   **A037** (*)

VADER super snoot. Powder coated stainless steel.
To be used to create a narrow spot beam distribution.

⌀ 3.78   3.15   ⌀ 2.83

Part No.   **A038** (*)

VADER 'Blade of Light' linear spread lens.

⌀ 3.81   .55

Part No.   **A039** (*)

● Ferrite Dark Grey (**FE**)* ● Heritage Brown (**HB**)* ● Bronze (**BZ**)* ○ White (**WT**)* ● Black Anodized (**BA**)* ● Sandstone Grey (**SG**)*
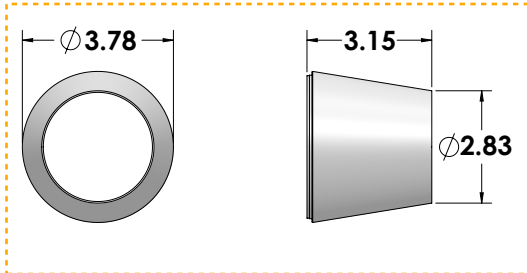
2025-01 Pg.4

Optical Accessories Installation (Options)

Maximum of one accessory per fixture

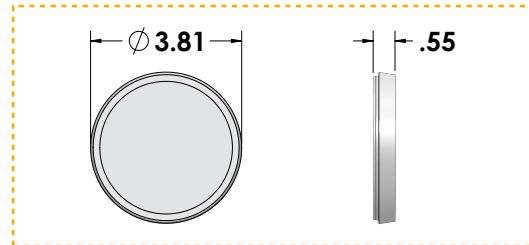### VADER symmetric snoot - A036 (*)

$\varnothing$ **3.78** **1.10** $\varnothing$ **3.50**

VADER asymmetric snoot - A037 (*)

$\varnothing$ **3.78** **2.48**
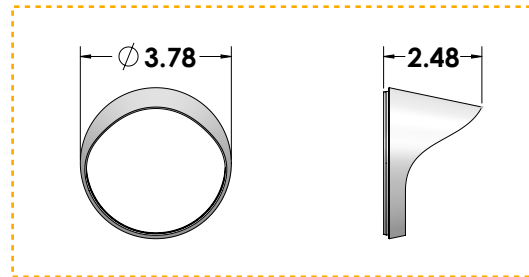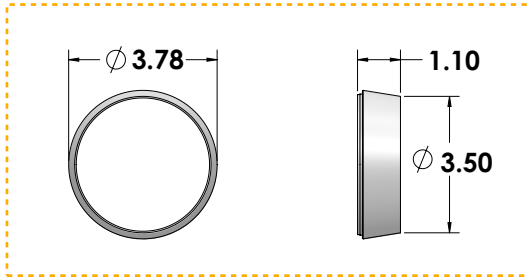
VADER super snoot- A038 (*)

$\varnothing$ **3.78** **3.15** $\varnothing$ **2.83**

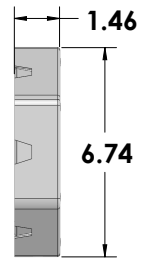### VADER 'Blade of Light' linear spread lens- A039 (*)

$\varnothing$ **3.81** **.55**

1,5mm

x3

Installation Accessories (Optional)

5.94   **1.46**

6.74
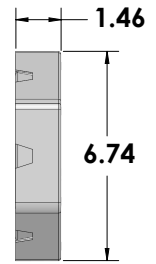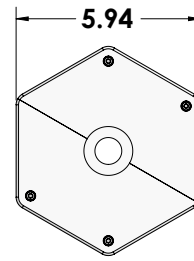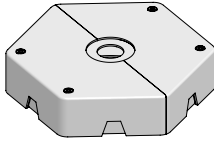
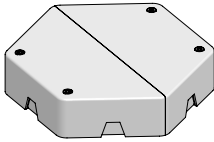**VADER surface hexagonal mounting base** for plug-n-play control and mounting. Designed for cluster or pattern installations on surfaces. Allows multiple fixtures to connect while hiding connections and cables.
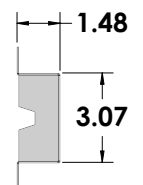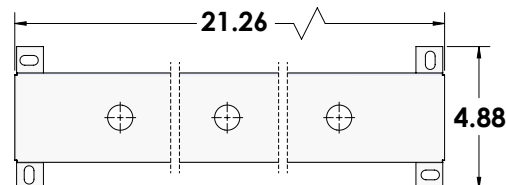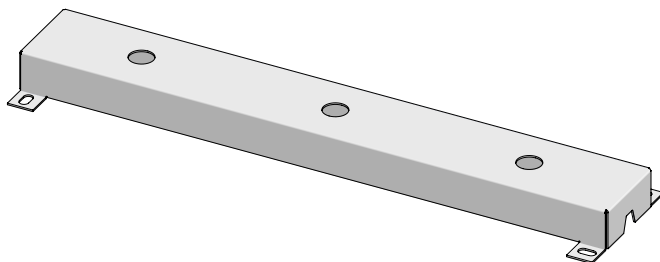
Part No. **A042** (*)

5.94   **1.46**

6.74
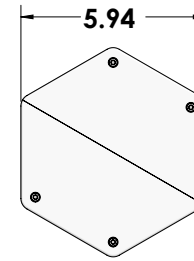
VADER blank surface hexagonal base cover. To be used in addition to A042 to continue clusters or patterns on surfaces.

Part No. **A043** (*)

14.17   **1.48**

4.88   **3.07**
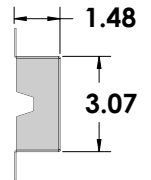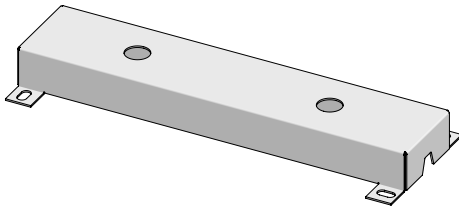
Double surface base. Powder coated stainless steel.

Part No. **A045**(*)

21.26   **1.48**
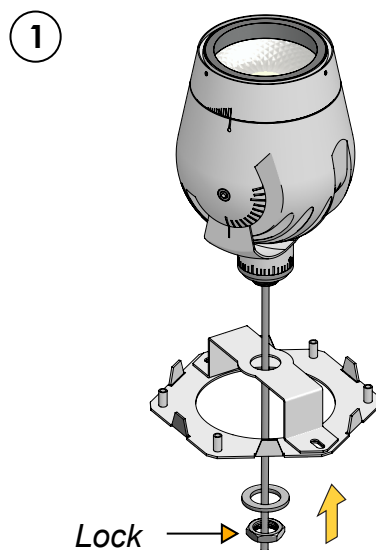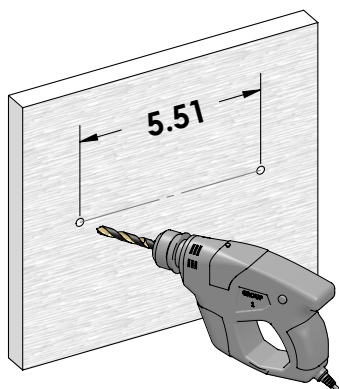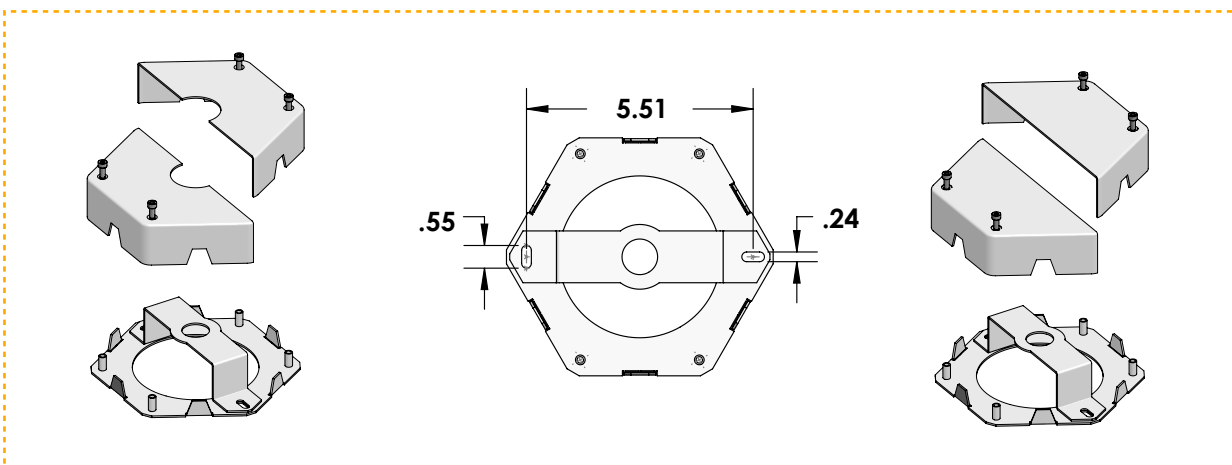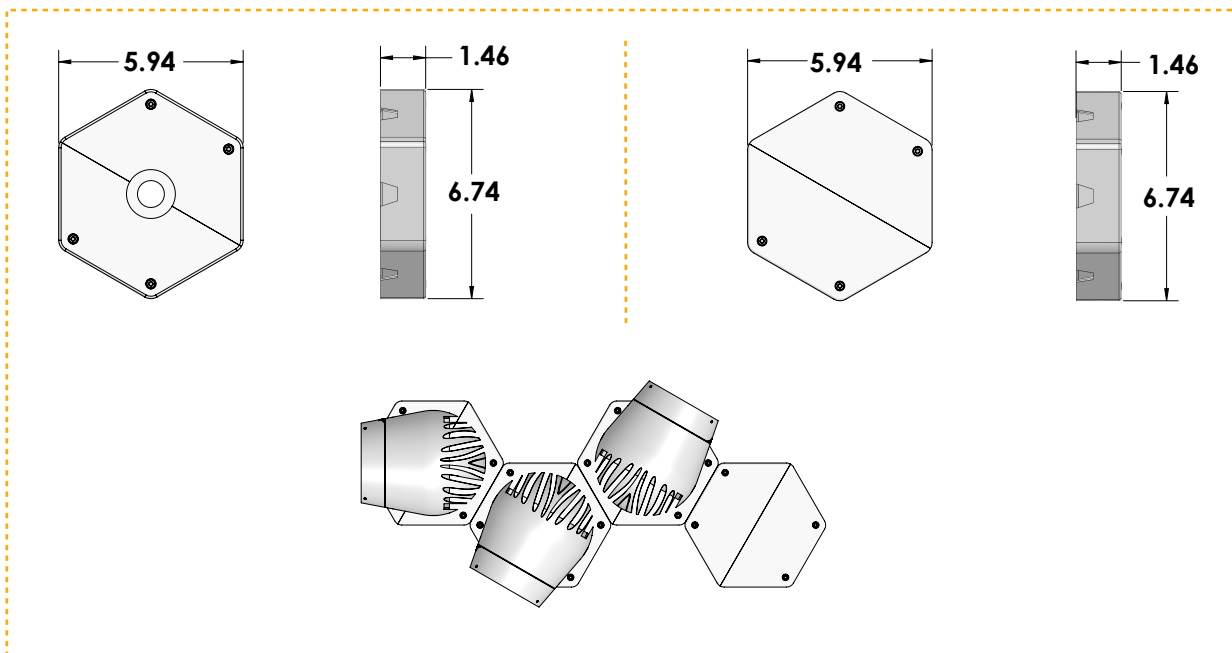
4.88   **3.07**

Triple surface base. Powder coated stainless steel.

Part No. **A046** (*)

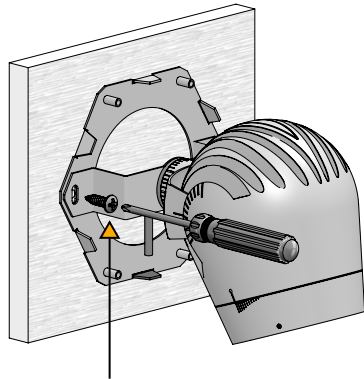# Installation Accessories
With Hexagonal Base / Blind Hexagonal
A042 / A043

5.94 1.46 6.74

5.94 1.46 6.74

5.51 .55 .24

① 5.51

Lock

2

Not included

3
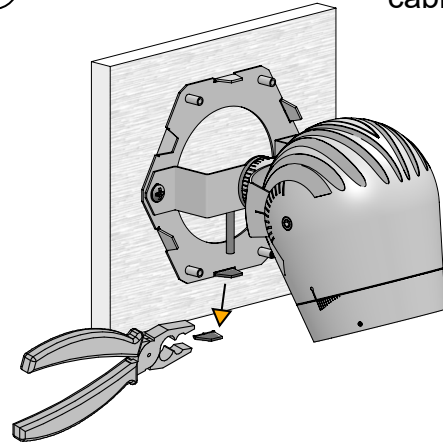
Remove for
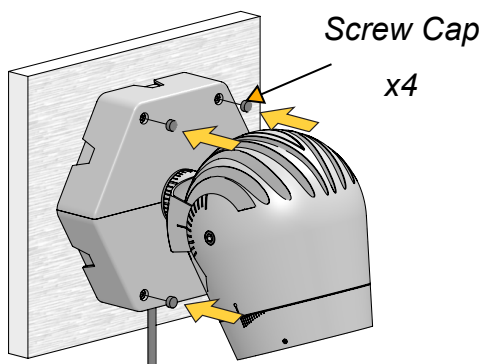cable passage
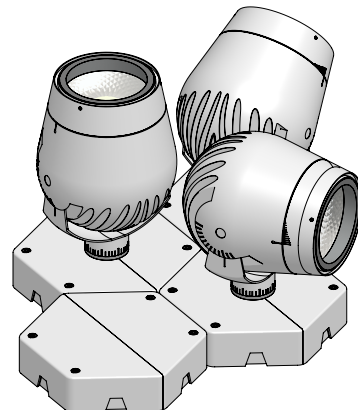
4

5

3mm

x4
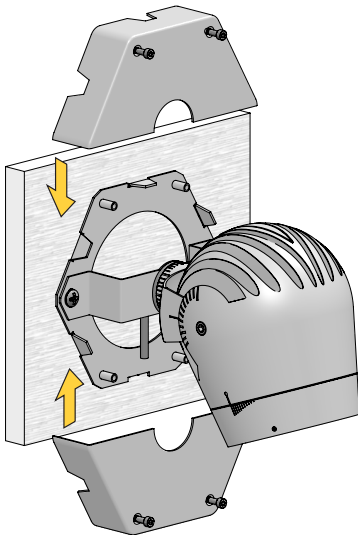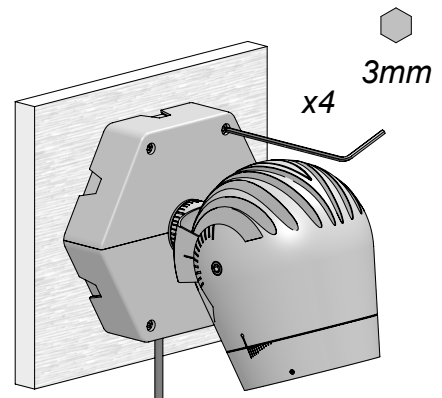
6

Screw Cap

x4

Installation Accessories
With System Hexagonal and Blind Hexagonal
A042 / A043

1 Place in contact
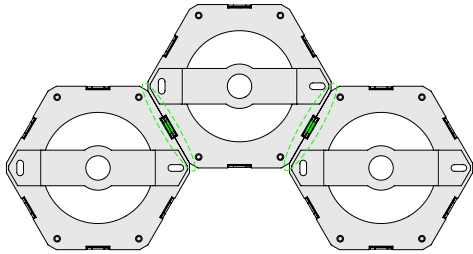
2 Remove for cable passage
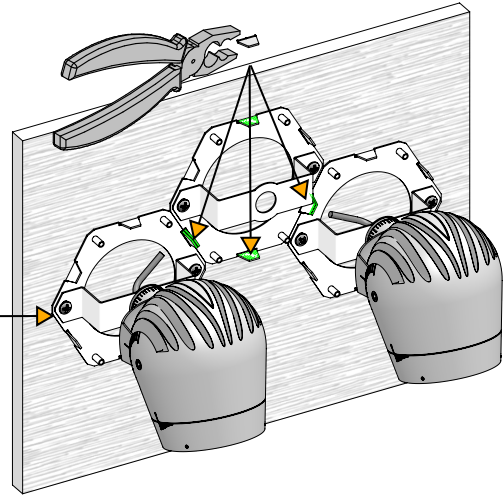
3 1E2494
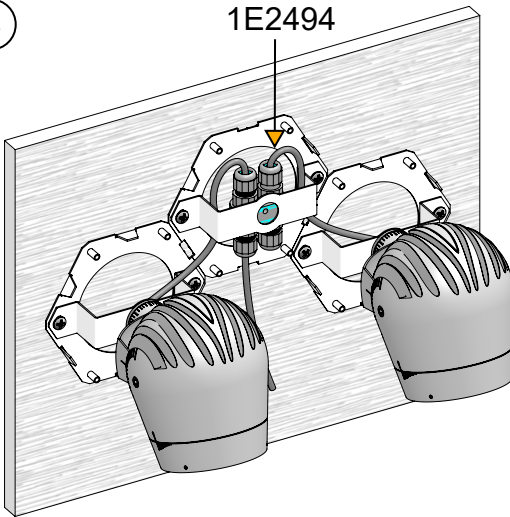
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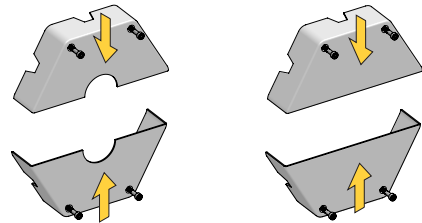
5 3mm x12
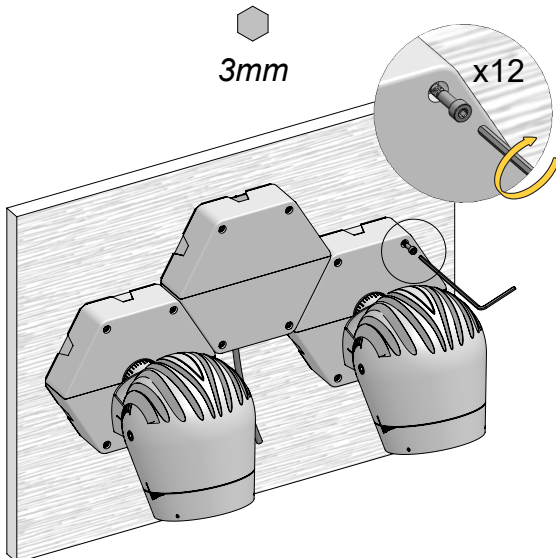
6 Screw cover cap x12
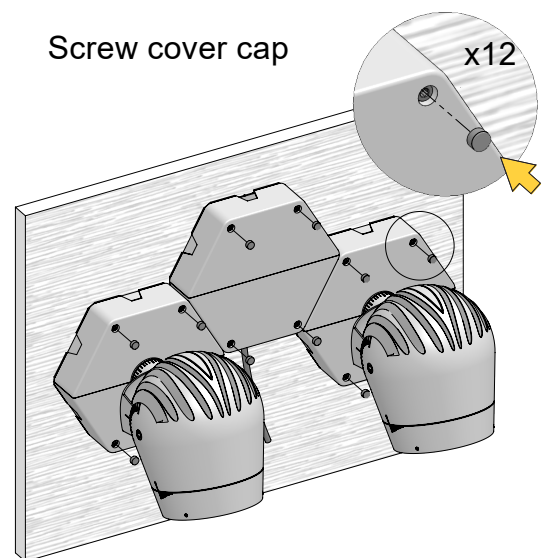
A045

14.17
13.19
14.17
4.88
1.48
3.07

A046

21.26
20.28
14.17
4.88
1.48
3.07

①

A045
(13.19)
A046
(20.28)
3.94

②

Lock

③

Remove for cable passage

1E2494

④

Not included
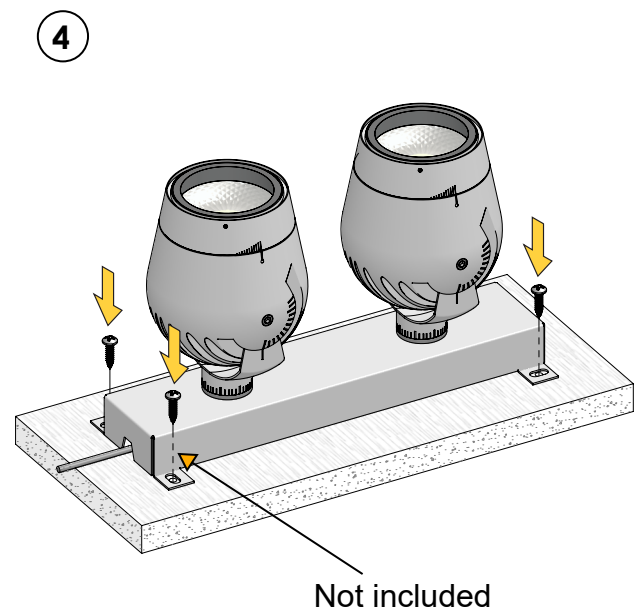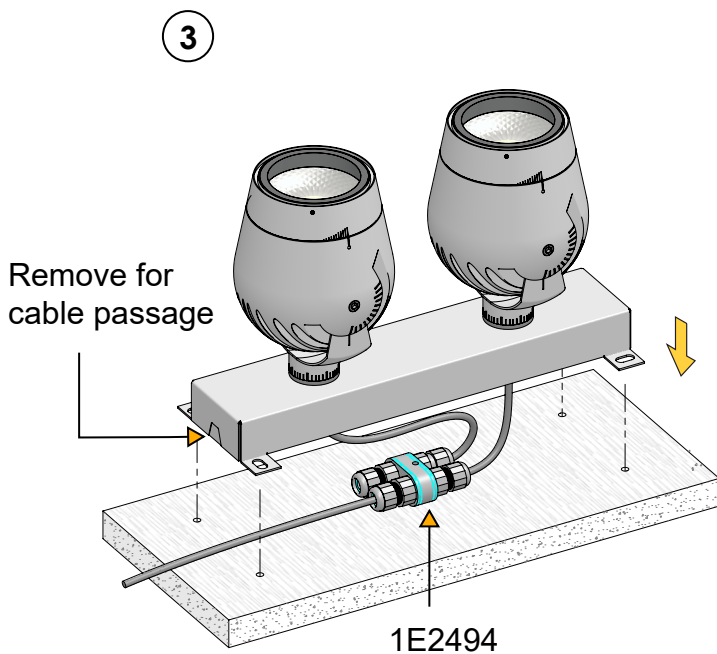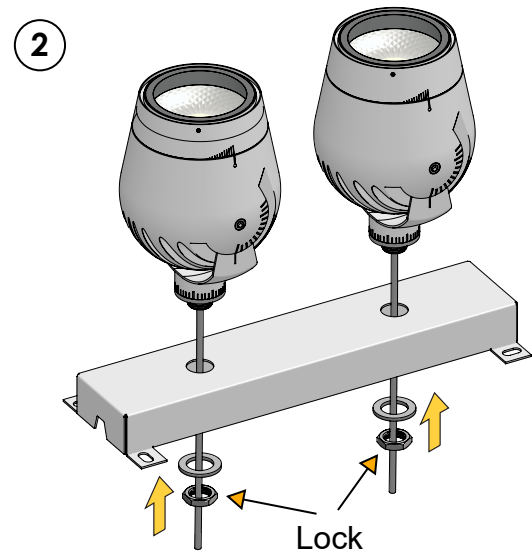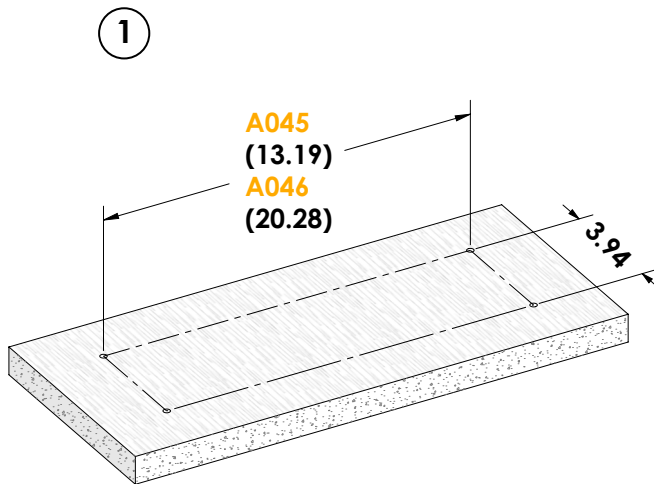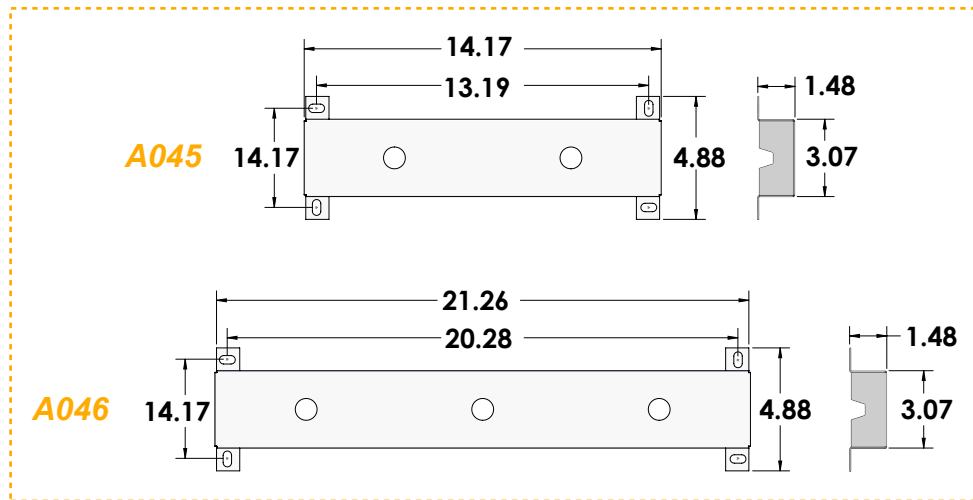
Installation Accessories (Optional)
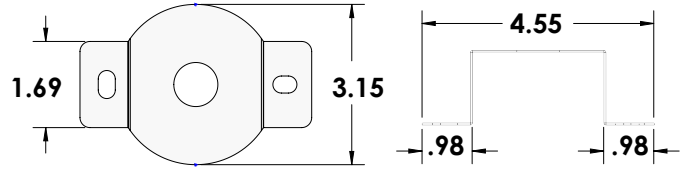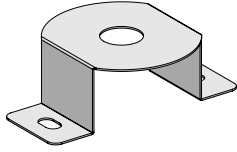
Surface mounting bracket. Powder coated stainless steel.

Part No. **A044** (*)

1.69   3.15   4.55   .98   .98
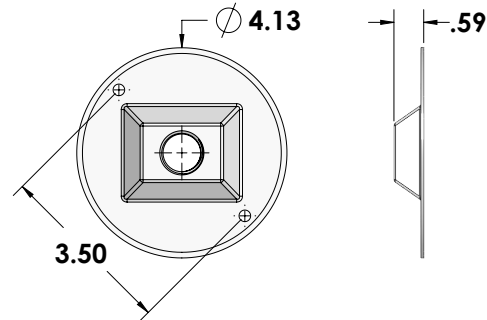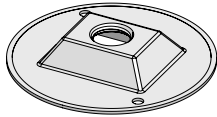
Low profile surface canopy. Powder coated aluminum with ½" NPT to mount over standard 4" Dia. round outdoor j-box.

Part No. **1BLTSMCVR** (*)

$\varnothing$ 4.13   .59   3.50
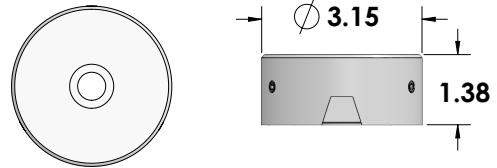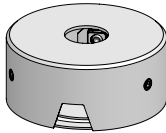
Surface mount base, powder coated stainless steel. For surface wiring applications.

Part No. **A040** (*)

$\varnothing$ 3.15   1.38
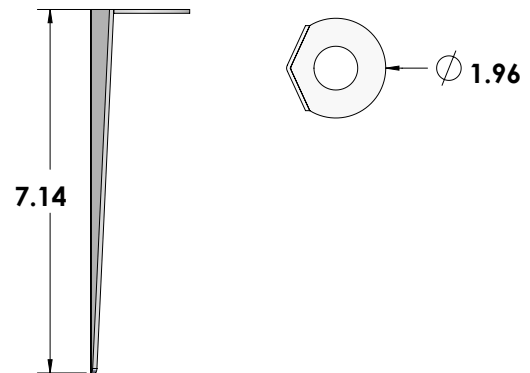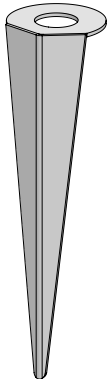
Ground spike for landscape installation. Powder coated stainless steel.

Part No. **1E3785** (*)

7.14 $\varnothing$ 1.96

● Ferrite Dark Grey (**FE**)*   ● Heritage Brown (**HB**)*   ● Bronze (**BZ**)*   ○ White (**WT**)*   ● Black (**BT**)*   ○ Sandstone Grey (**SG**)*

Installation Accessories
With Surface Mounting Bracket - A044

3.50

1.69

.33

2.66

1.45

.98

.98

1

3.50

2

Lock →

3

Not included

4
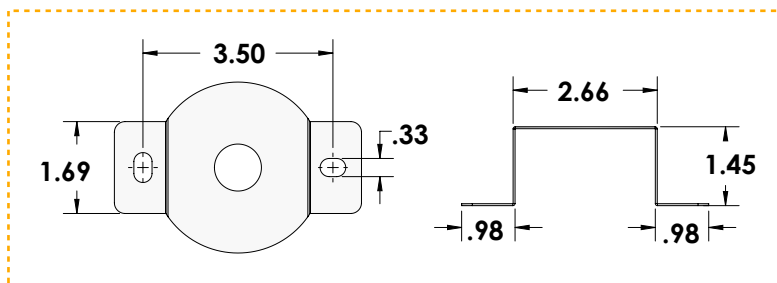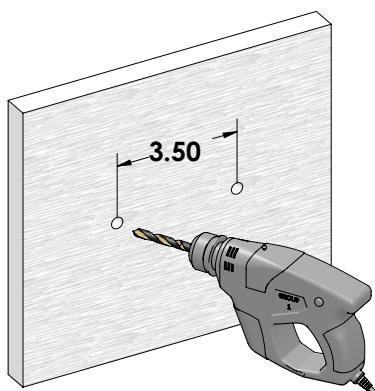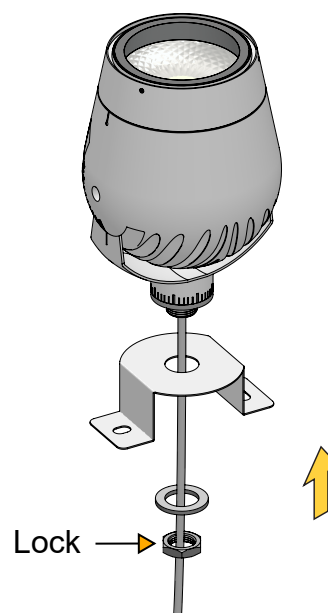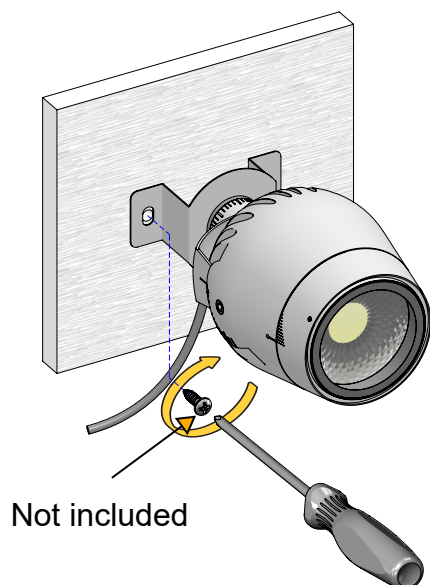
Installation Accessories
With Low Profile Surface Canopy - 1BLTSMCVR

⌀ **4.13**

.59

3.50

①

3.50

3.50

3.50
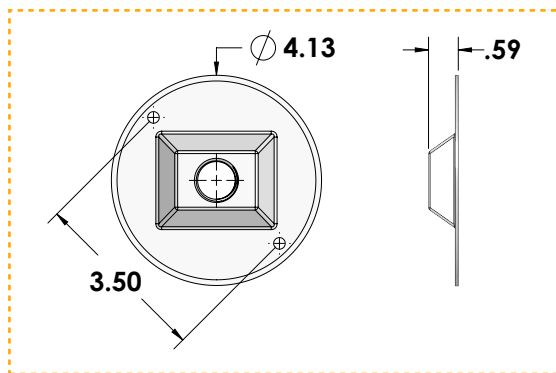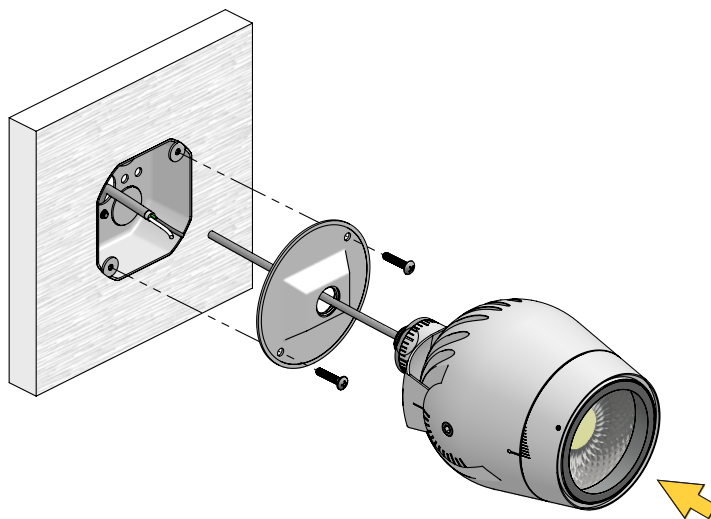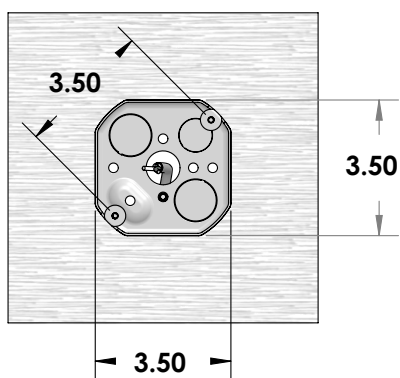
②
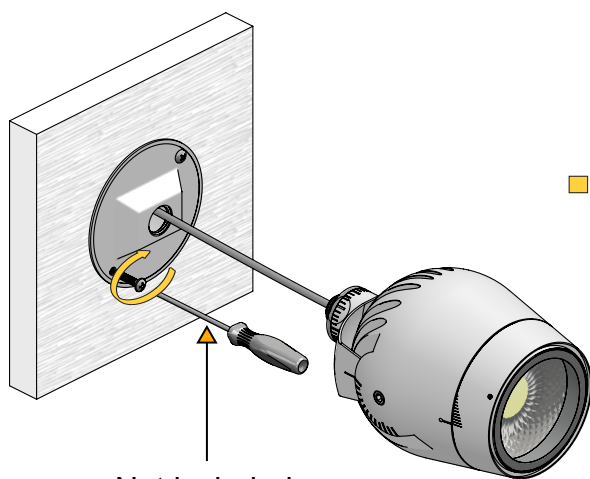
Not included

③

Installation Accessories

With Surface Mounting Base - A040

⌀ 3.15

1.38

①

3mm

.83

⌀ .55

.16

.31

.87

.98

②

.98

.98

Lower Surface Mounting Base

③

Not included

④

Lock

⑤

⑥

⑦

3mm
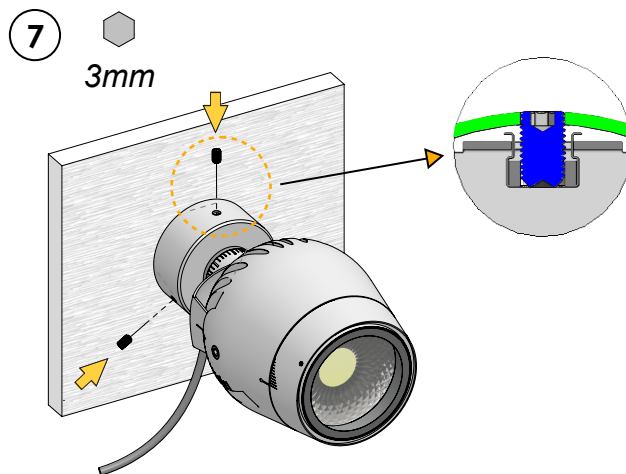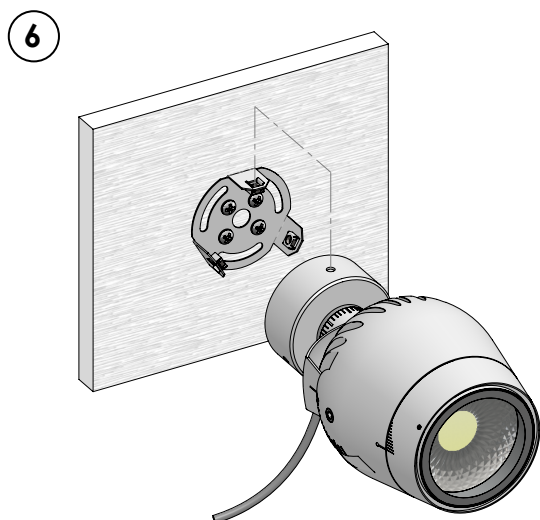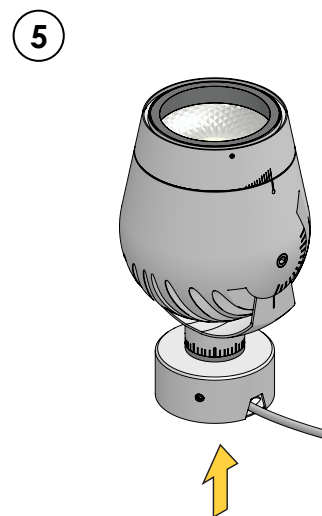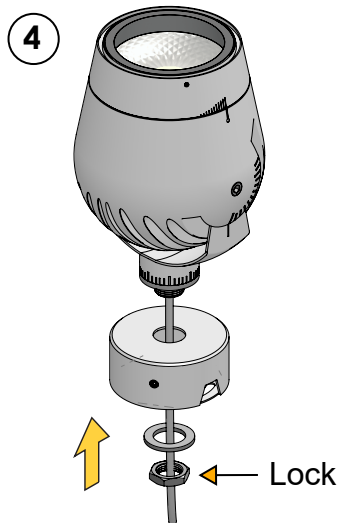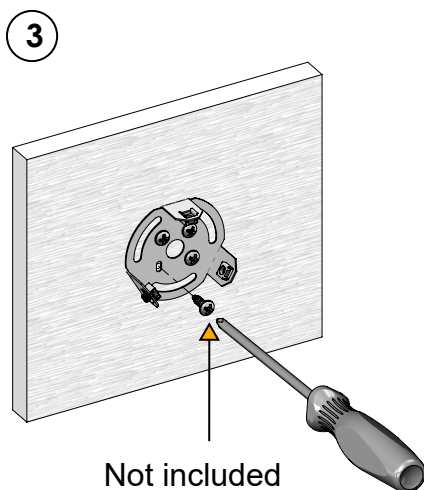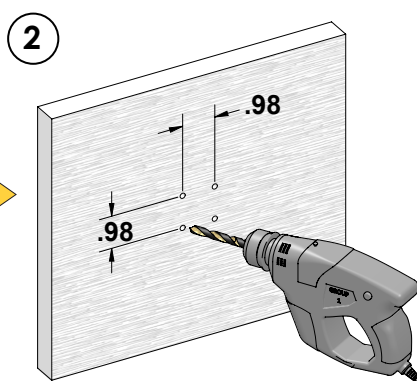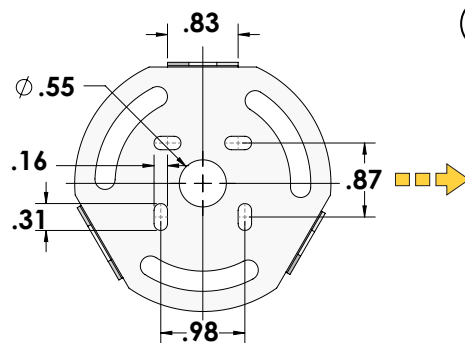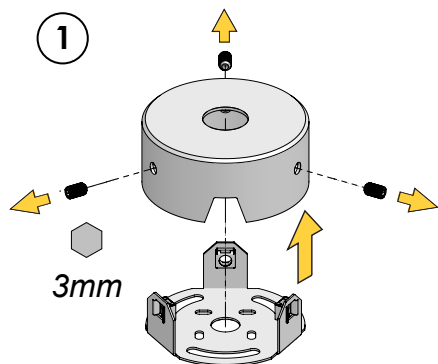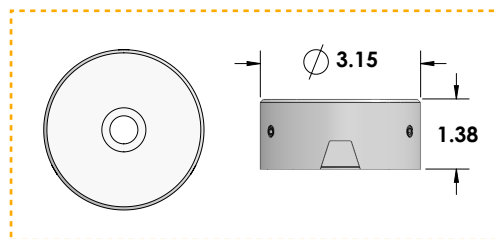
Installation Accessories

With Plate For Round Base - *A0401*
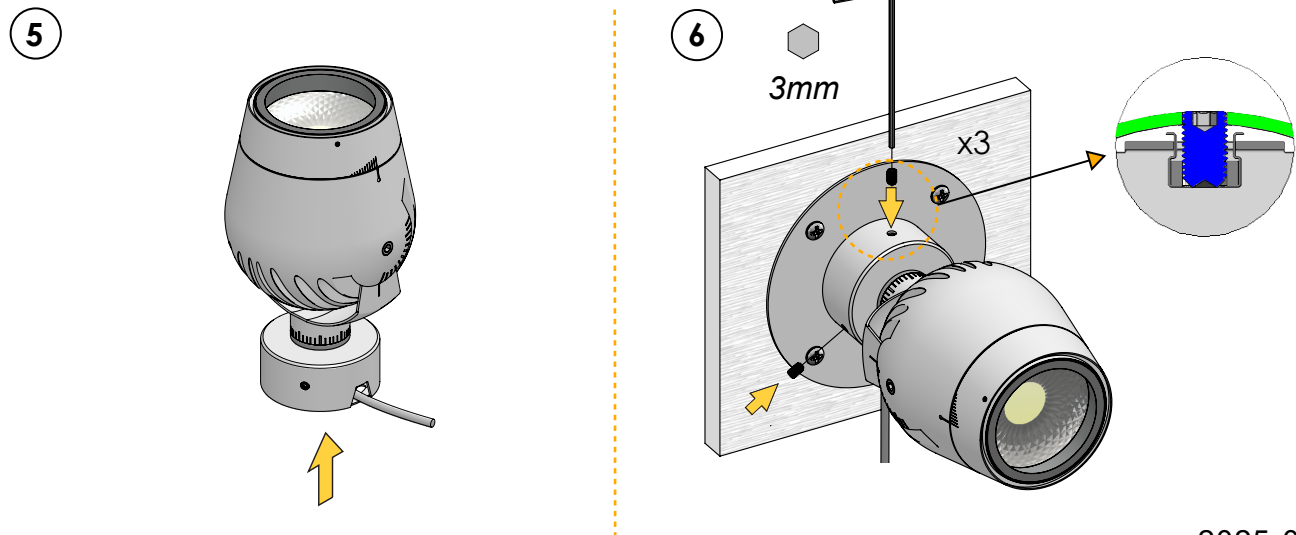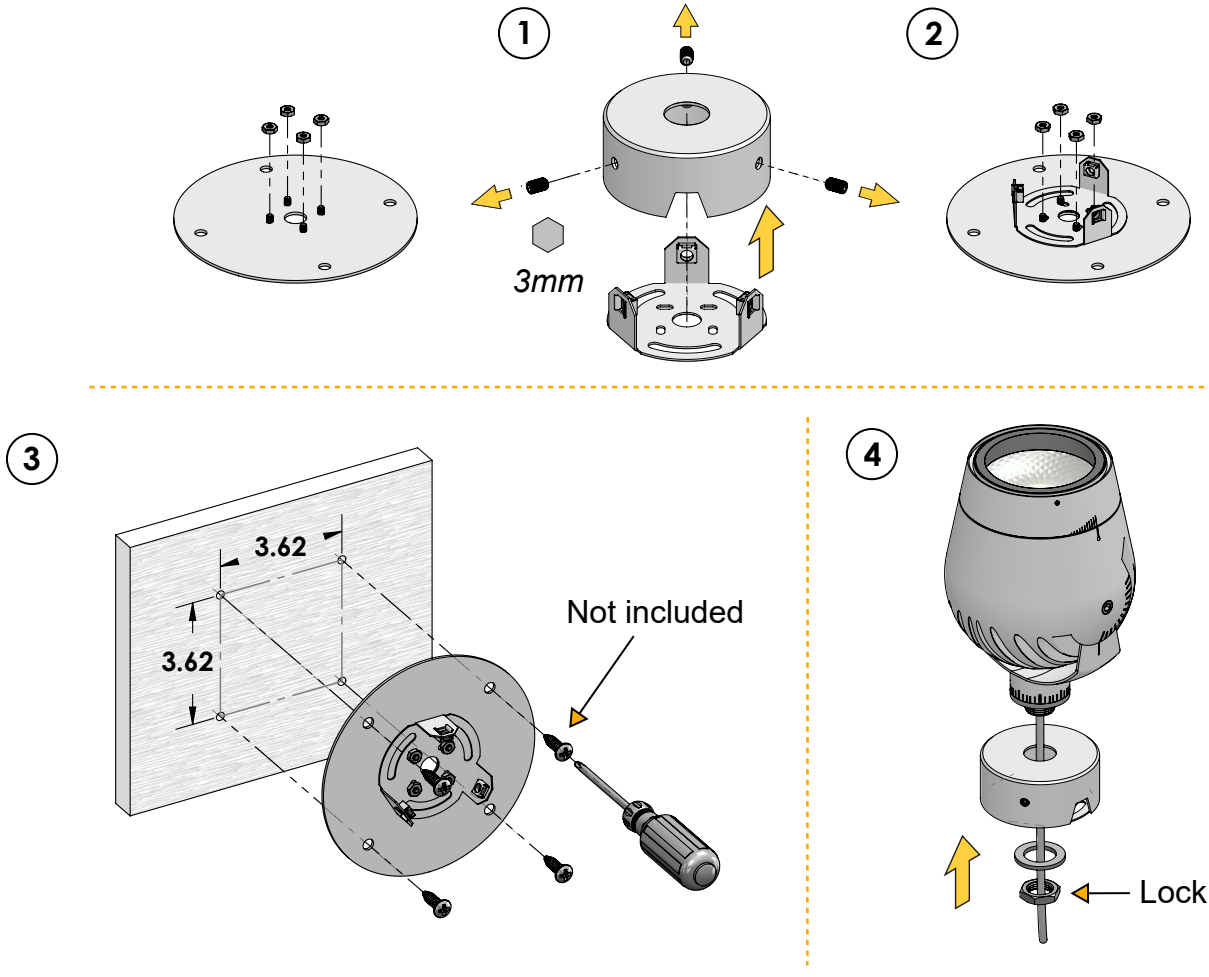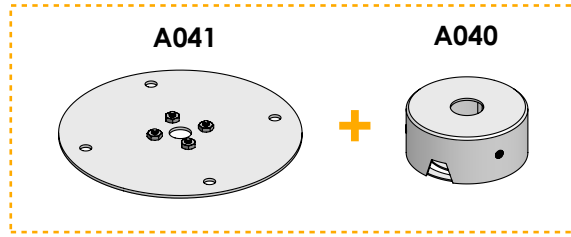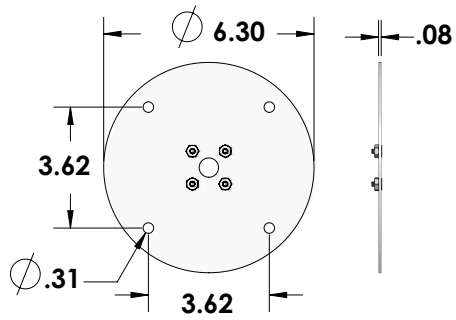
⌀ **6.30** | **.08**

3.62

⌀ **.31**

3.62

A041 + **A040**

1

3mm

2

3

3.62

3.62

Not included

4

Lock

5

6

3mm

x3

Installation Accessories
With Ground Spike
1E3785

7.14

ϕ **1.96**

1

Lock

2

Finish Grade

Dirt
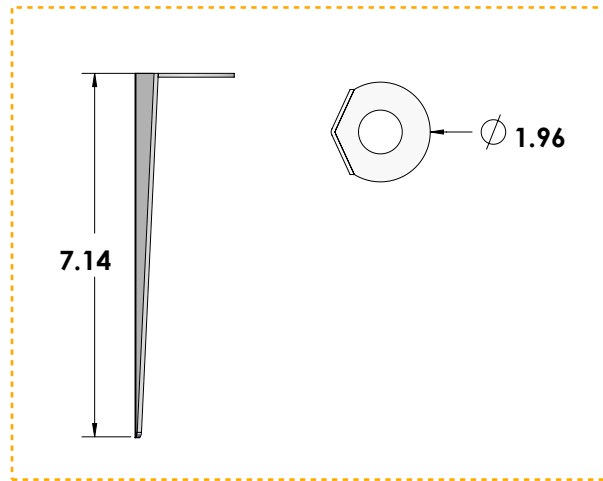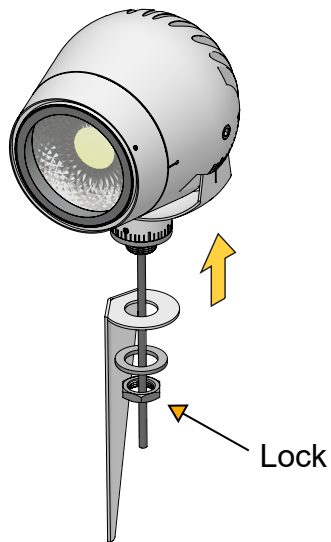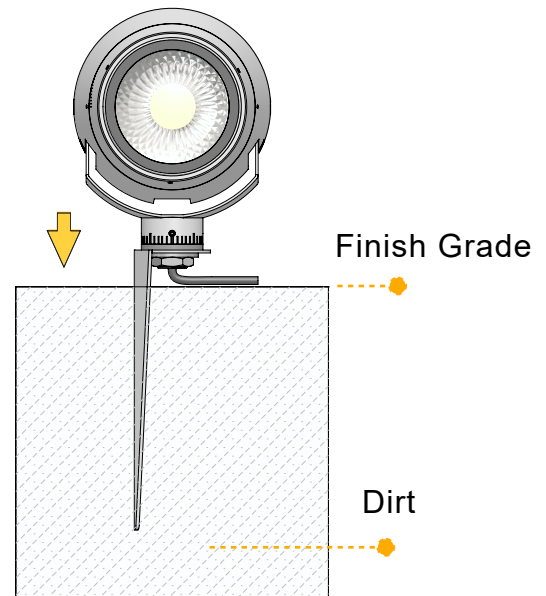
Installation Accessories (Optional)
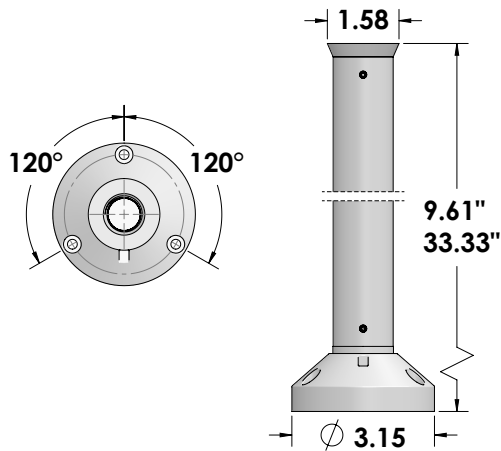
Surface post. Powder coated stainless steel post with 4" Dia. round outdoor j-box cover with ½" NPT.

Part No.   **1USA047** (*)   **1USA048** (*)

1.58

120°   120°

9.61"
33.33"

Ø 3.15

Ø1.88

24.25
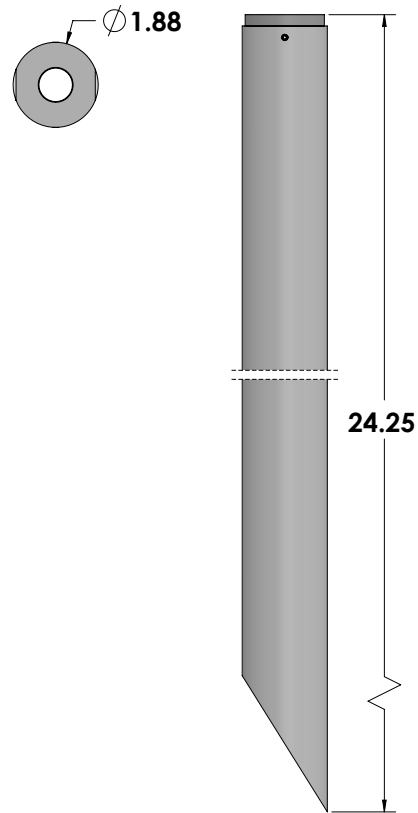
Permapost. Aluminum with 1/2" NPT and 1ea stabilizer.

Part No.   **PRMP24BK**(*)

5.24

3.57
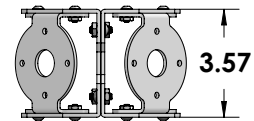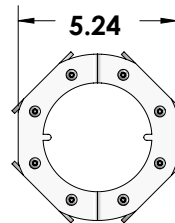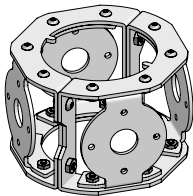
Mounting bracket for event pole for up to 4ea fixtures. Event pole sold separately. Powder coated stainless steel.

Part No.   **1USP01BKTFEQ** (*)   *Finish* ● Deep Black

1.73   1.46

Ø 1.57
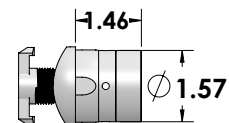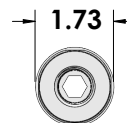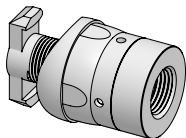
Single fixture pole bracket, 1ea. 2.5" Dia. pole provided by others. 3.6" Dia. pole compatible with Targetti event pole. Powder coated stainless steel.

Part No.   2.5"Dia (60mm) **A052** (*)   3.6"Dia (90mm) **A054** (*)

● Ferrite Dark Grey (**FE**)*   ● Heritage Brown (**HB**)*   ● Bronze (**BZ**)*   ○ White (**WT**)*   ● Black (**BT**)*   ● Sandstone Grey (**SG**)*
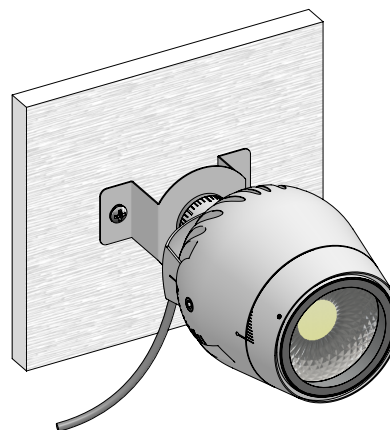
Installation Accessories

120° 120°

∅ .22   ∅ 2.64

9.61"
33.23"

∅ 3.15

1   2mm

2

3

4   Not included

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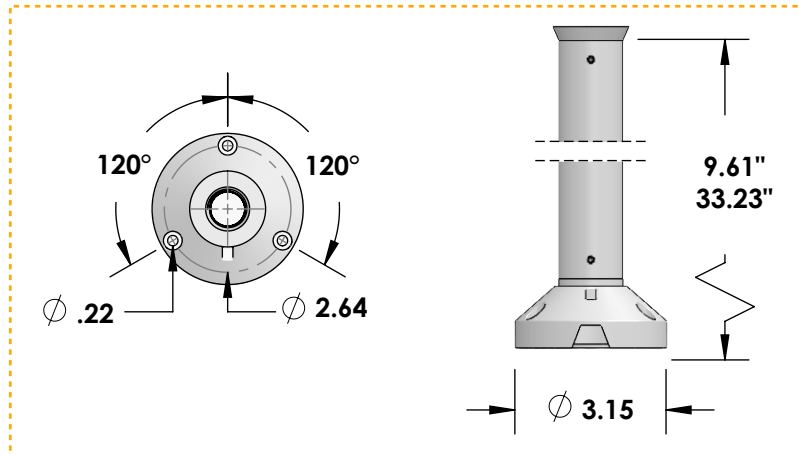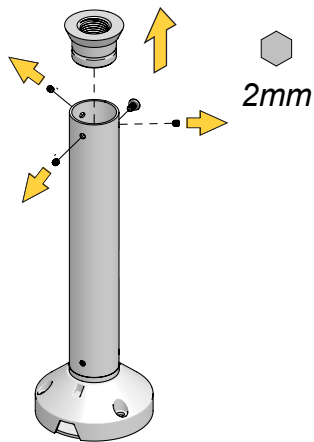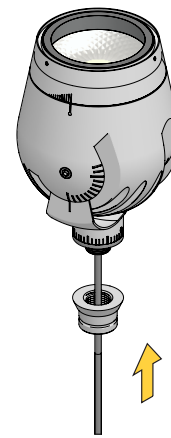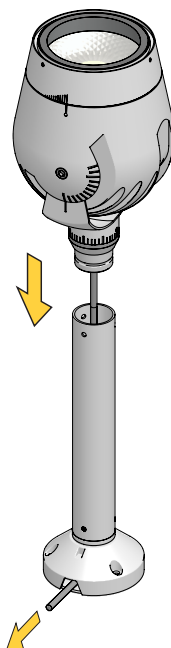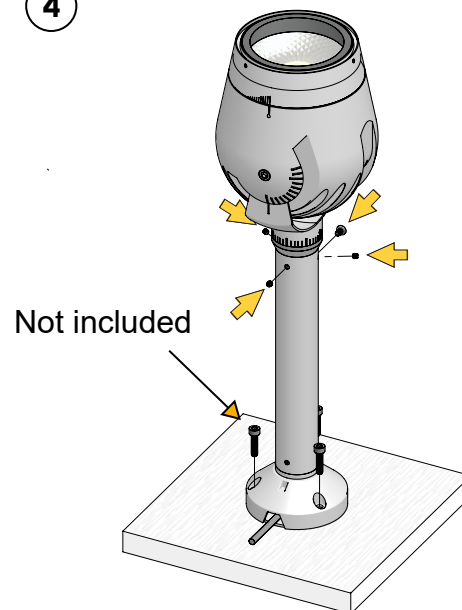
With Mounting Bracket for Event Pole

1USP01BKTFEQ

5.24

3.57
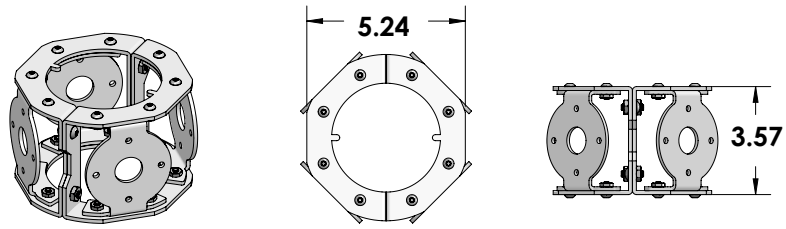
Mounting bracket for event pole for up to 4ea fixtures.

① 9.70

② Lock

③

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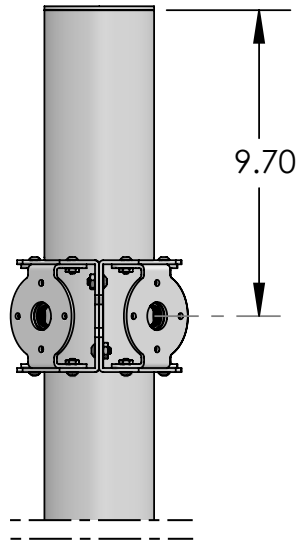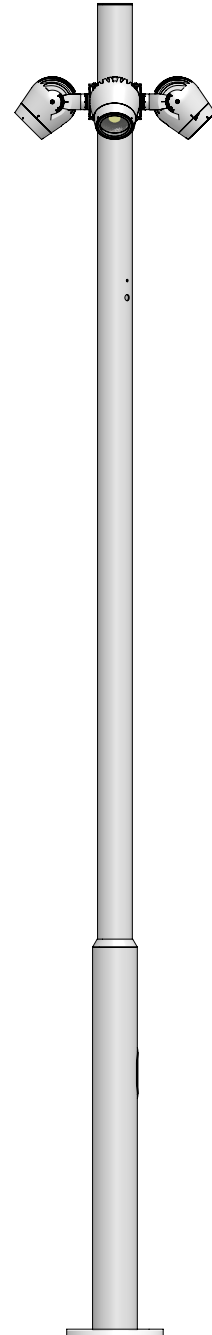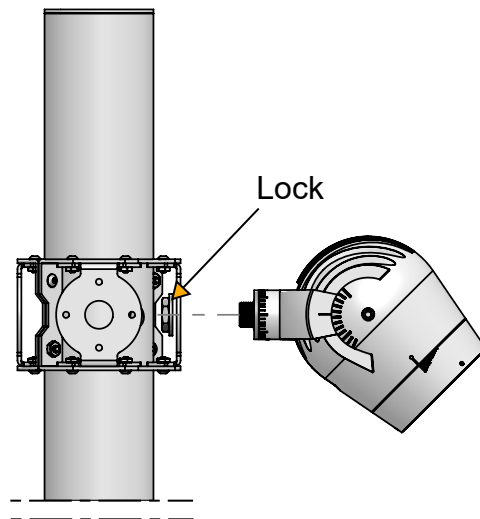
Installation Accessories

With Ground Spike

1E3785

⌀ **1.88**

24.25
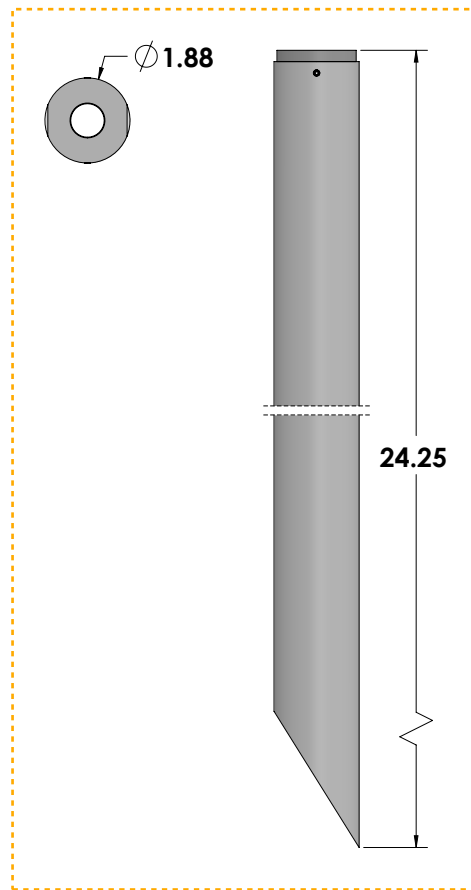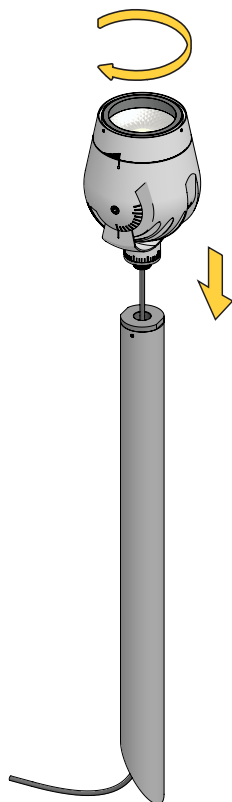
① ②
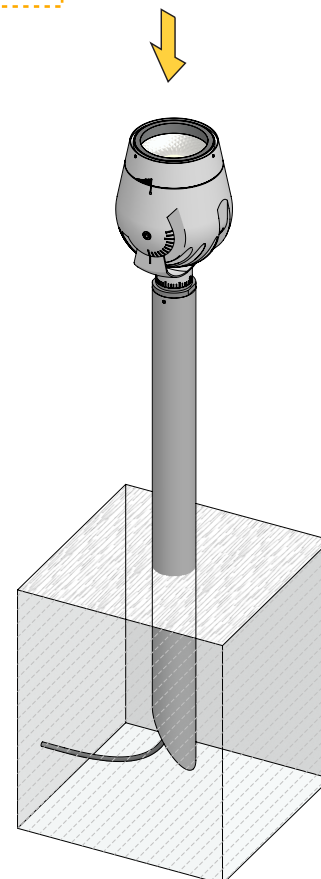
Installation Accessories
With Single Fixture Pole Bracket
A052 / A054

1.46

∅ 1.57

TYPE 1

① 2.36 ∅ **1.38**
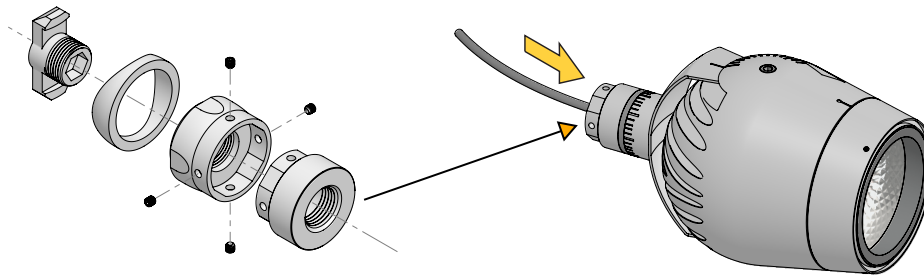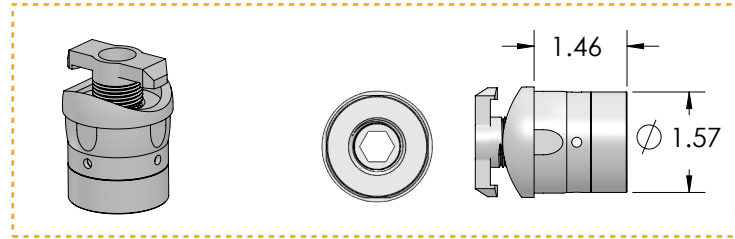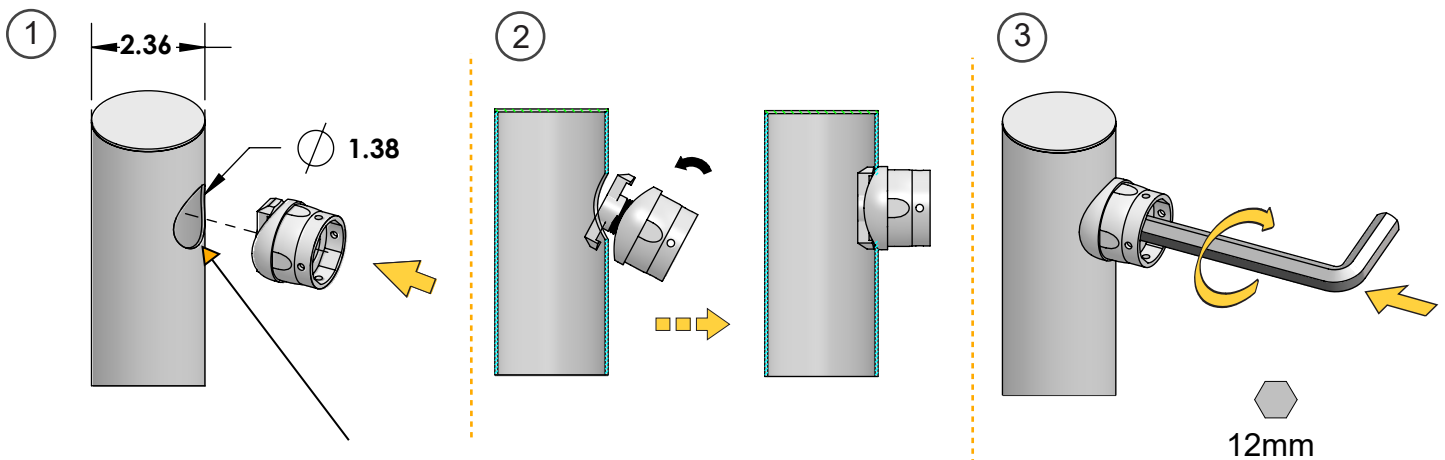
Protect the drilled hole with proper anti-corrosion agent, to restore rust protection

②

③

12mm

④

⑤ Lock

TYPE 2

① **1E2493**

②

③

④ Lock

Tree Mounting Installation

48" / 72"L
0.47"
1.26"
0.8"
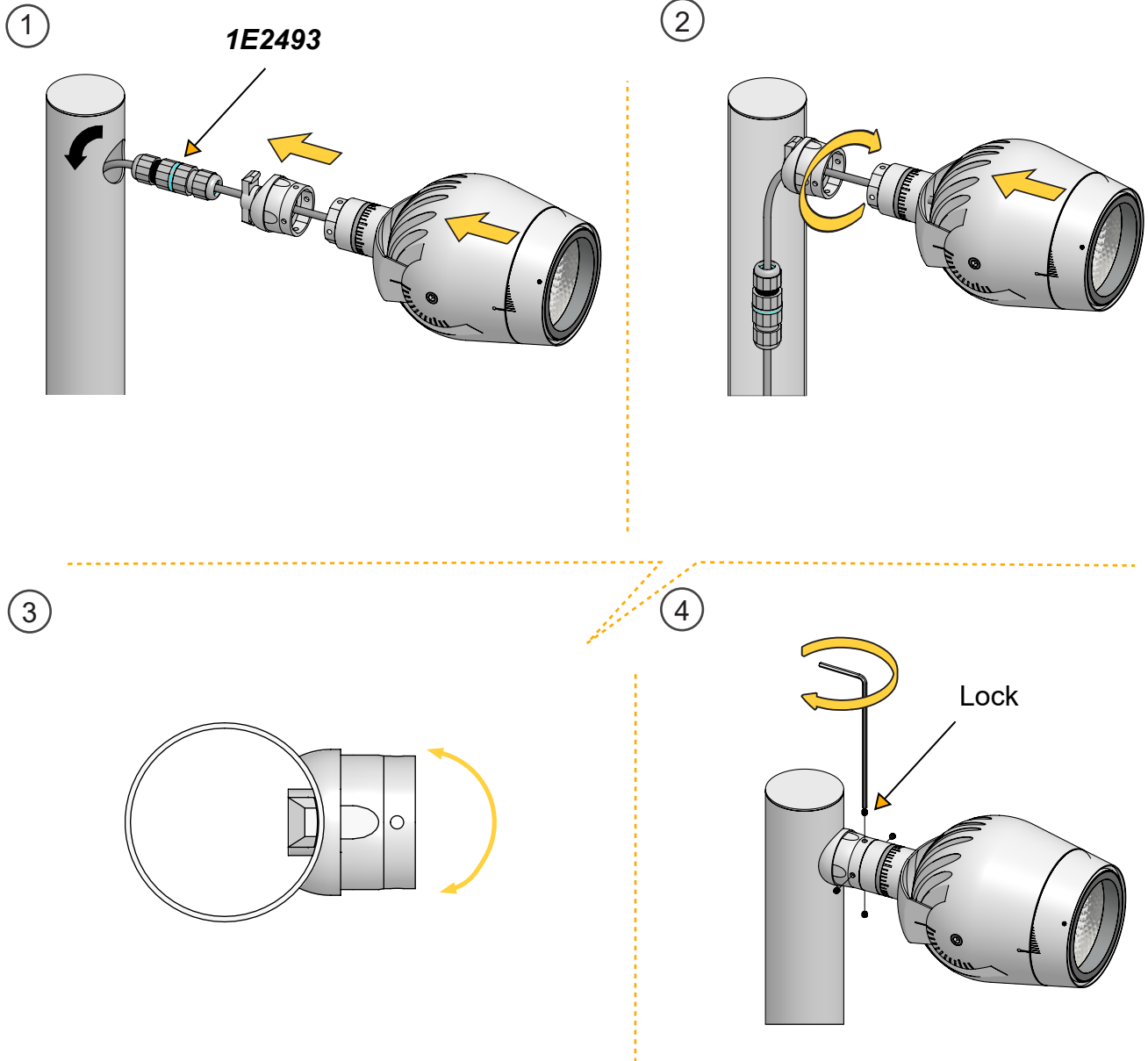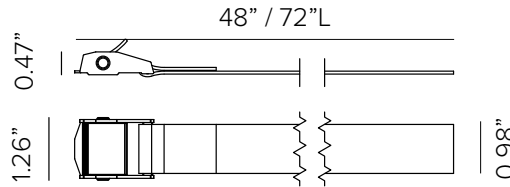
Tree strap. Durable marine grade polypropylene webbing flexible strap with stainless steel cam buckle. **Maximum of 4 fixture brackets per double strap. (REQUIRED FOR TREE MOUNTING)**

Finish		● Black	● Coyote Brown	○ Silver Grey	● Graphite Grey
Part No.	36"	TTS01D48BK	TTS01D48BK	TTS01D48SG	TTS01D48GG
Part No.	72"	TTS01D72BK	TTS01D72BK	TTS01D72SG	TTS01D72GG

3.30
5.00
1.96
1.48
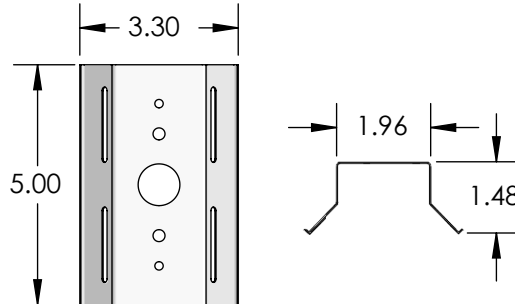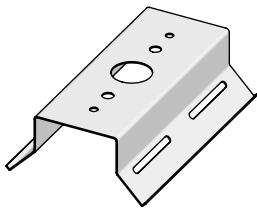
Fixture bracket comprised of powder coated stainless steel for use with tree strap. **Maximum of 4 fixture brackets per double strap. (REQUIRED FOR TREE MOUNTING)**

Finish	● Black	● Bronze	○ Sandstone Grey	● Ferrite Dark Grey
Part No.	TTB01DBK	TTB01DBZ	TTB01DSG	TTB01DFG

2.54
3.30
3.87
3.82
1.96
1.48
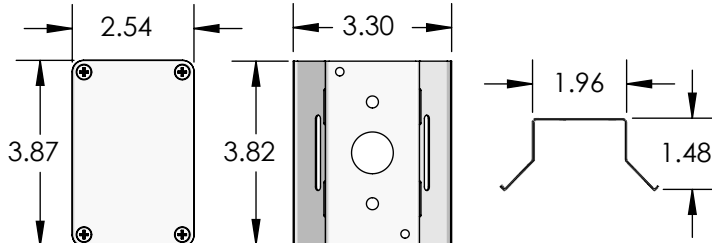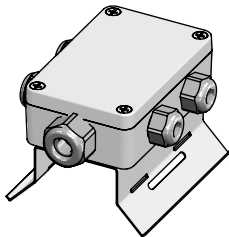
Connection box. Painted aluminum UL listed j-box with single input and 4ea max outputs for lateral cable exit. Provided with 1ea 1/2" cable gland and 4ea 3/8" cable gland, 3ea plugs provided along with mounting bracket, **tree strap sold separately**. Used to connect single 24V DC low voltage cable from remote driver to connection box. For single strap configuration, use 1ea connection box. For double strap configuration, use 2ea connection boxes. **(OPTIONAL)**

| *Finish*	● Black	● Bronze	○ Sandstone Grey	● Ferrite Dark Grey
Part No.	TTC02SBK	TTC02SBZ	TTC02SSG	TTC02SFG
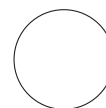
Expands
⌀ 0.38" to 1"

Mesh wire protection cable sleeve, available per foot. Comprised of braided polyethylene terepthalate (PET) mono-filament webbing resistant to chemical degradation, UV radiation, and abrasion. **To be used in installations where multiple cables can be combined into a 'single' cable look and/or to conceal the cable to match the finish of the surface. (OPTIONAL)**

Finish	● Black	● Coyote Brown	○ Silver Grey	● Graphite Grey
Part No.	TTMW01BK	TTMW01BR	TTMW01SG	TTMW01GG

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Tree Mounting Installation Accessories

TTB01D(-)   **TTC01S(-)**   **TTS01D(-)**

①

Lock

②

③

Tree Mounting Installation Accessories

*With Fixture Bracket - **TTB01D(-)***
*Connection Box **- TTC02S(-)***
*Tree Strap **- TTS01D(-)***

Fixture bracket

Vader fixture

Connection box

Doubletree strap.
(Max. 4 fixtures)

Cable tie strap.
(Provided by others)

Tree safe plastic or
Stainless Steel screws.
(Provided by others)
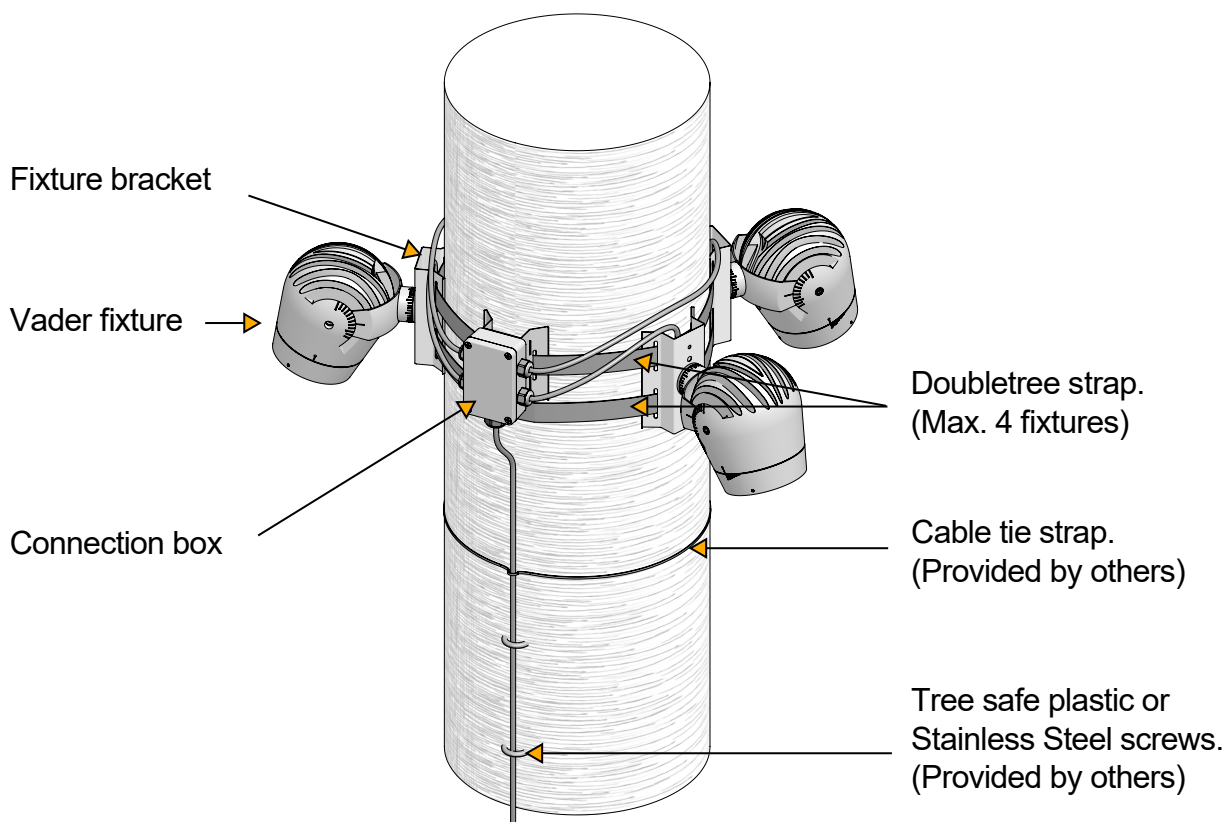
Installation Examples
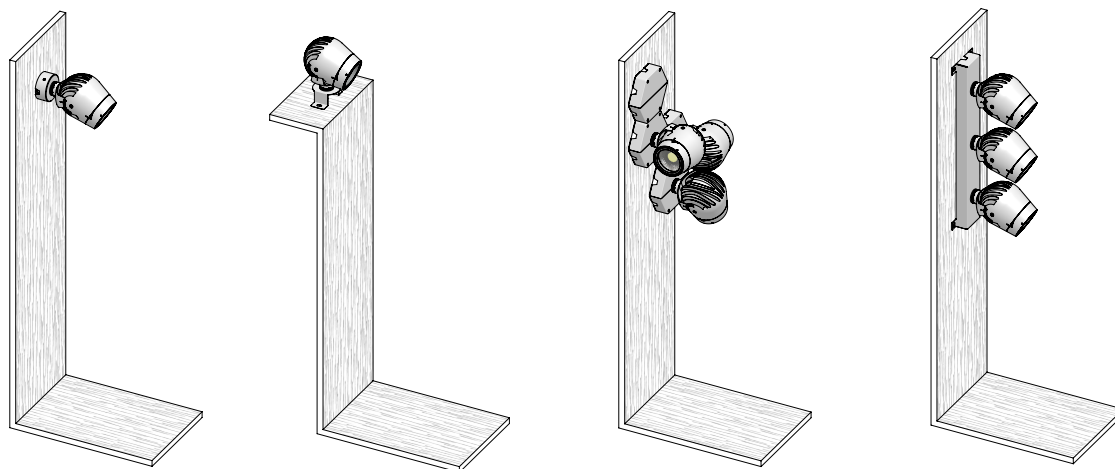
SURFACE
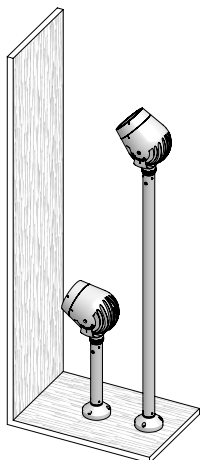
FLOOR
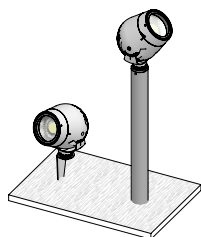
LANDSCAPE
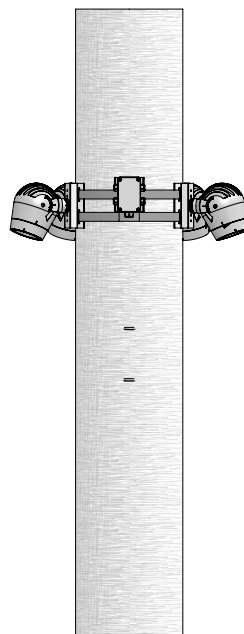
TREE
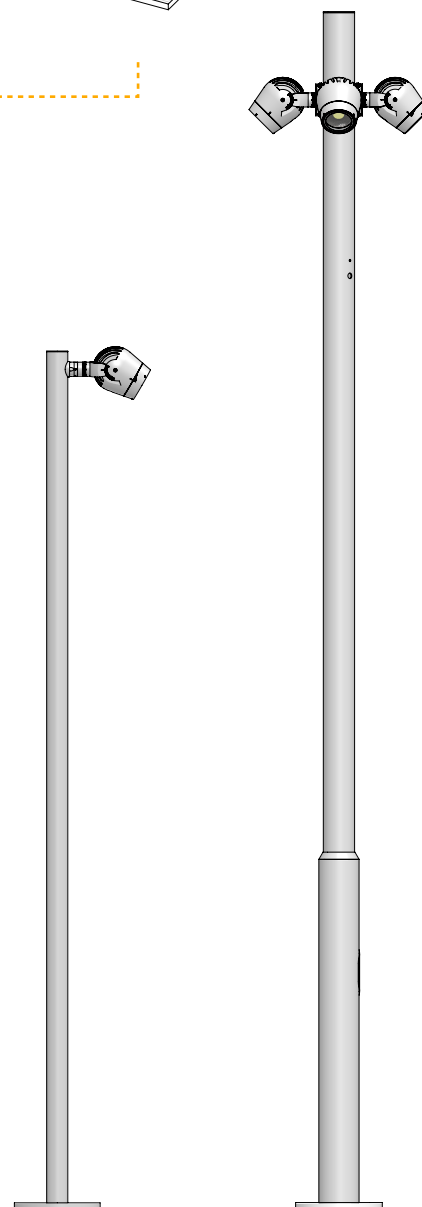
POLE

Control and Power Supply

CONTROL (REQUIRED)
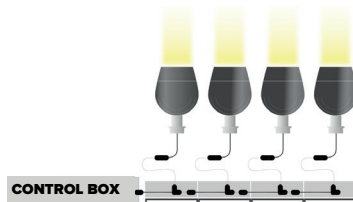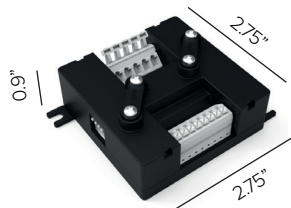
Control pod. Three-In-One Smart control system (0-10V / DALI / DMX). Can be mounted inside installation accessories or 4"x4" Junction Box, etc.

Each Control Pod:

0-10V 1ea two channel control zone for up to 30 fixtures.

DALI up to 64ea independently controlled fixtures.

DMX two channel up to 64ea independently controlled fixtures.

Part No.   **A035**

POWER SUPPLY (REQUIRED)

ENCLOSURE								
Part No.	Wattage	Control	Dim Range	Rating	In / Out Voltage	Certification	Dimensions (Enclosure)	Description
PS052	40W	0-10V / DALI / DMX via control pod	1% 0-10V 0% DALI / DMX	NEMA3R	120-277V / 48V	UL CLASS 2	6.3" x 10.79" x 2.17"	MEAN WELL HLG ELECTRONIC DRIVER.
PS051	60W	0-10V / DALI / DMX via control pod	1% 0-10V 0% DALI / DMX	NEMA3R	120-277V / 48V	UL CLASS 2	6.3" x 10.79" x 2.17"	MEAN WELL HLG ELECTRONIC DRIVER.
PS050	96W	0-10V / DALI / DMX via control pod	1% 0-10V 0% DALI / DMX	NEMA3R	120-277V / 48V	UL CLASS 2	6.3" x 10.79" x 2.17"	MEAN WELL HLG ELECTRONIC DRIVER.

*NON-DIMMABLE, DIMMING ACHIEVED FROM DIRECT CONTROL POD NOT THROUGH DRIVER.

MAX FIXTURES PER DRIVER			
	Driver Wattage		
	40W	60W	96W
Fixture Watttage 14W	2	3	6

Installation Diagram

REMOTE
DRIVER

120-277V

0–10V
DMX
DALI

A035
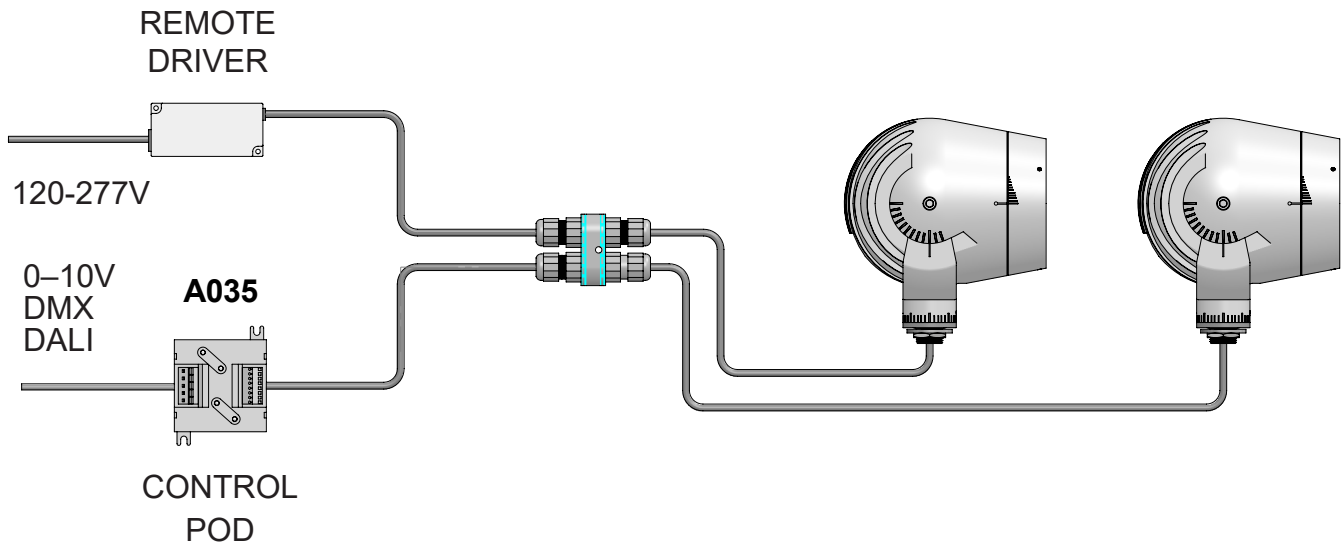
CONTROL
POD

**Can be mounted inside installation accessories or 4"x4"
Junction Box, etc.**
0-10V 1ea two channel control zone for up to 30 fixtures.
DALI up to 64ea independently controlled fixtures.
DMX two channel up to 64ea independently controlled fixtures.

Maintenance

This fixture was designed and manufactured for a durable, long lasting use with minimum care. To ensure the maximum lifespan of this product, we encourage our customer to provide a quality visual inspection of the fixture and installation accessories every six months. If there are any visible signs of issues (i.e moisture or dust) during the inspection, please clean any of the dust or moisture with a soft cloth and check to make sure that any of the fixtures are still operating normally. If there are any issues regarding the fixture please contact us as we will assist the situation at hand.

Support

Any questions, problems, or comments you have please feel free to contact our Customer Service department during our business hours Monday-Friday 8am-5pm via: Email: usaorders@targetti.com
Phone: (714) 513-1991

Visit our website: http://www.targettiusa.com