SafeGuard™

Utility Light Series

A Multi-Purpose
Luminaire for Security,
Dusk to Dawn, Street and
Area Light Applications

UTL Utility Series

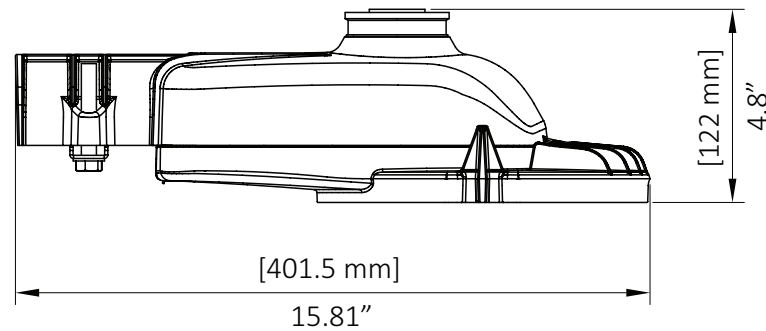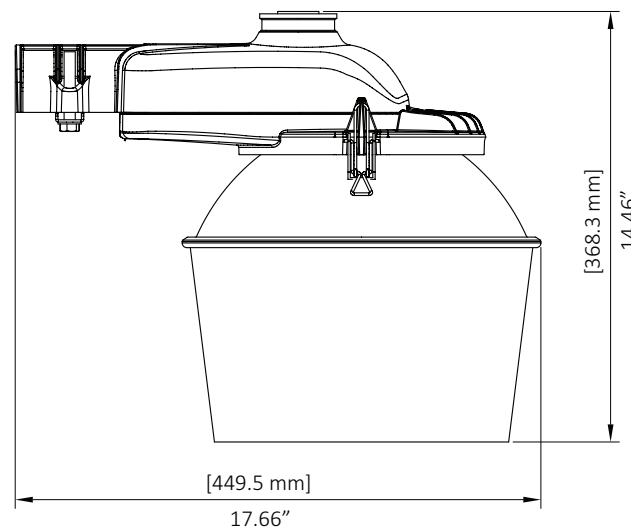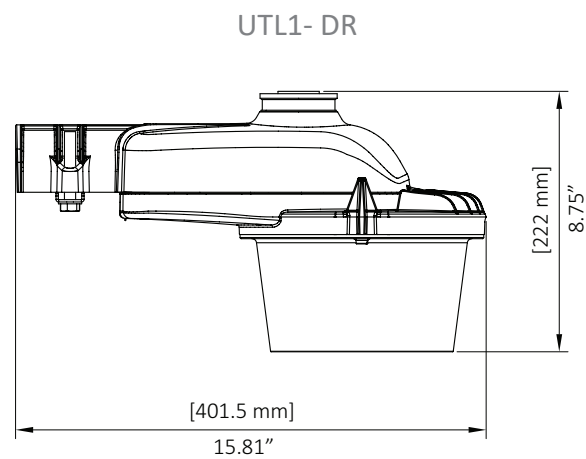## Security, Dusk to Dawn, Street and Area Light Applications

Dimensions & Profile

Weight	6.4 lbs (2.9 kg)
EPA	.33 sq. ft.
Width	8.15" [208 mm]
Height	4.8" [122mm]

SafeGuard UTL1

UTL1

[122 mm]
4.8"

[401.5 mm]
15.81"

UTL1 with Nema Drop-Down Refractor

UTL1- DR

[222 mm]
8.75"

[401.5 mm]
15.81"

[368.3 mm]
14.46"

[449.5 mm]
17.66"

Lumen Range and HPS Equivalents

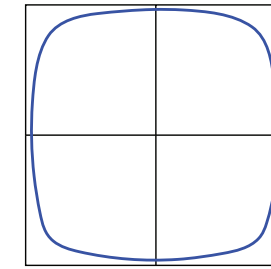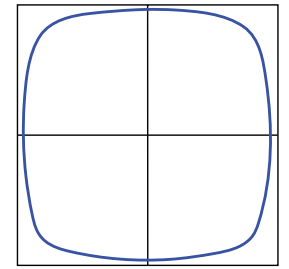| HPS	Wattage (W)	50W	100W	150W	175W	200W
UTL with DR	Wattage (W)	21W	34W	37W	46W	54W
	Lumens (lm)	3150	4771	5316	6367	7365
	Output Code Range (4000K)	035	050	055	065	075

## Distribution Types
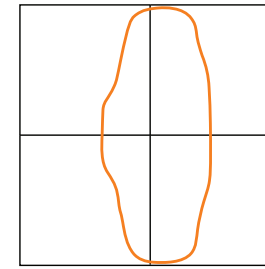
Type 2
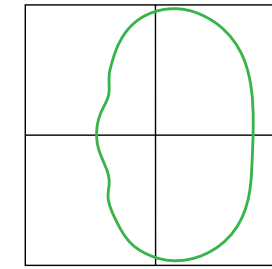
Type 3

Type 5

Drop Down Refractor (DR) with Type 5

LEOTEK luminaires feature a variety of options to accommodate "field-tuning" of light levels and light distribution. In addition, options are available to facilitate the integration of wireless controls.

Field-Tuning of Light Levels

Luminaires include a dimmable 1-10V power supply with optional output selector (CS). This enables end users to easily change light levels in the field if necessary.
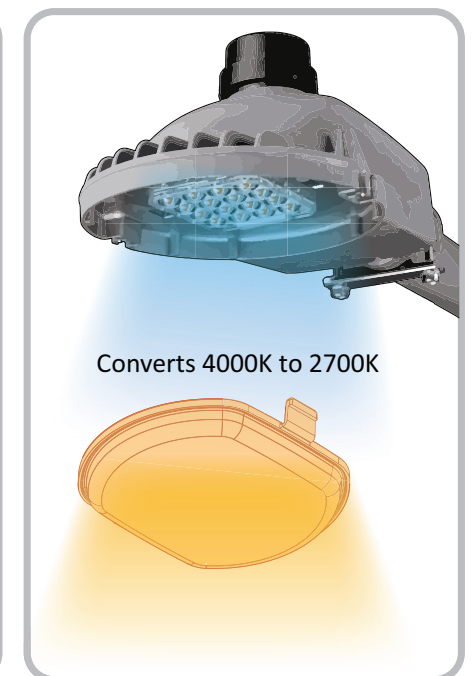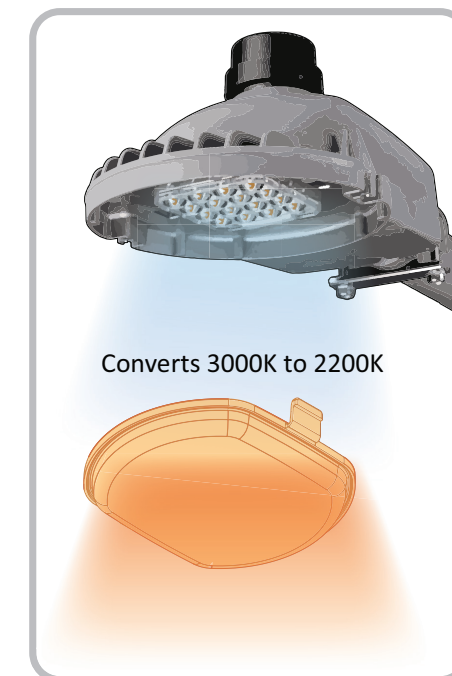
Multi-step Current Selector
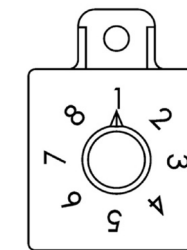
1	54_530
2	46_450
3	37_370
4	34_330
5	21_205
6, 7, 8	54_530

Field-Tuning of Color Temperature

The unique Color Temperature Filter (CTF) provides 2200K and 2700K options for applications that require warmer color temperatures

Color Temperature Filter
Part# CTFUTL16

Converts 3000K to 2200K

Converts 4000K to 2700K
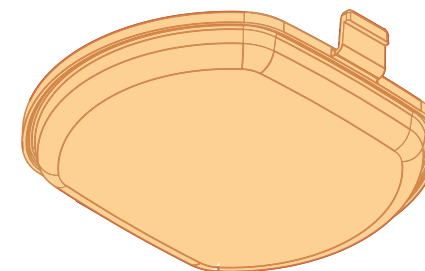
Robust, Efficient LED Light Engines

Light engines are designed to draw less current than most designs in the industry, which provides maximum efficacy with less thermal stress for longer life. LEDs are ROHS compliant, 100% mercury and lead-free. IP-66 rated light engines use an array of discrete LEDs. There is less glare since the LED light sources are distributed, not concentrated in a small area like COB (chip-on-board) light engines.

Control Ready for Wireless Nodes

Available "PCR7-CR" industry-standard photocell receptacle for the attachment of standard photocells or 'smart' control-nodes.
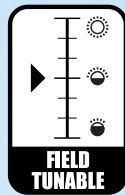
Light Level Control Options

The dimmable power supply enables field-adjustable light levels with the optional rotary dial current selector. Continuous dimming is also available using a compatible wireless dimming node.
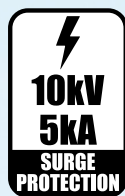
High Efficacy

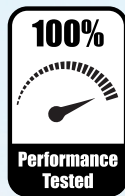Efficacy up to 150 lm/W

Vandal Resistant

LED optics are IK10 rated, the highest rating for impact resistance.

Power Supplies & Surge Protection

Luminaires are designed with power supplies that are rated for 100,000 hours of life with standard 1-10V dimming.

Surge Protection: Standard 4kV. Optional 10kV/5kA (SP1) and 20kV/10kA (SP2) per ANSI C136.2-2015

Rigorous Testing and Certification Process

Luminaires are carefully assembled and tested at LEOTEK's USA facility in San Jose, California. The light engines are 100% tested prior to assembly. Every luminaire is 100% performance tested after 2-hour burn-in period.

LEOTEK believes that good design integrates simplicity and functionality. The UTL Series is built with durable high-strength materials and reliable components, and is backed by LEOTEK USA's Standard 5-Year Warranty and 30 years of experience building LED lighting products.

Easy Installation & Maintenance

Tool-less access to wiring compartment via stainless-steel latch.
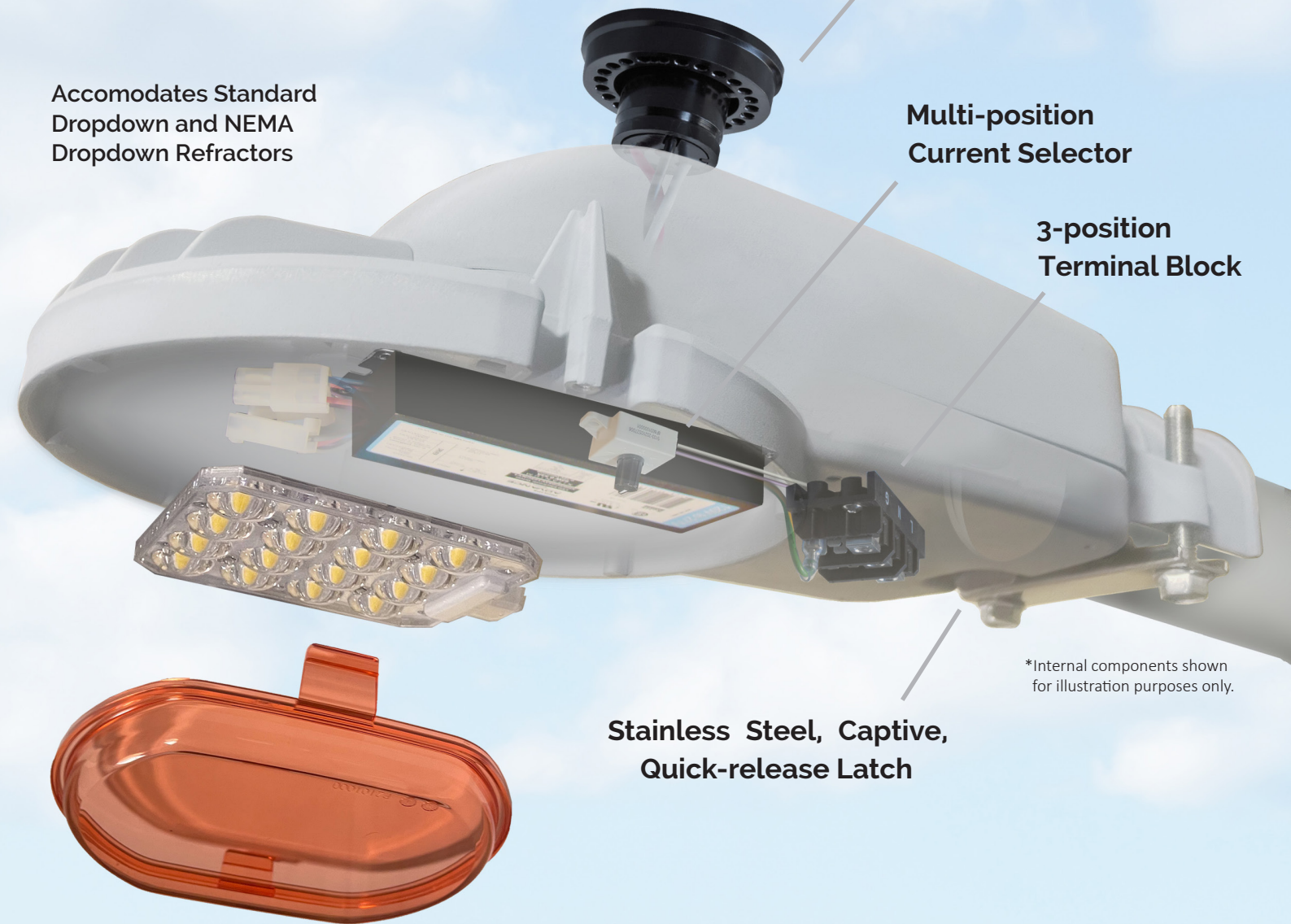
Control Ready for Wireless Nodes

3-Wire photocontrol receptacle is standard. ANSI C136.41 7-wirePCR7-CR photocontrol receptacle is optional.

Accomodates Standard Dropdown and NEMA Dropdown Refractors

Multi-position Current Selector
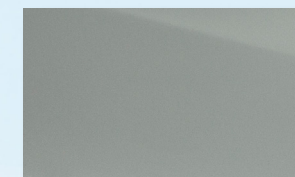
3-position Terminal Block

*Internal components shown for illustration purposes only.

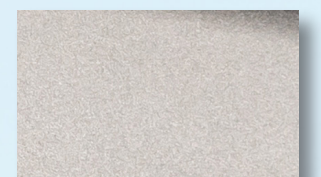**Stainless Steel, Captive, Quick-release Latch**

Color Temperature Filter (CTF)

Optional filter provides 2200K and 2700K options for applications that require warmer color temperatures.
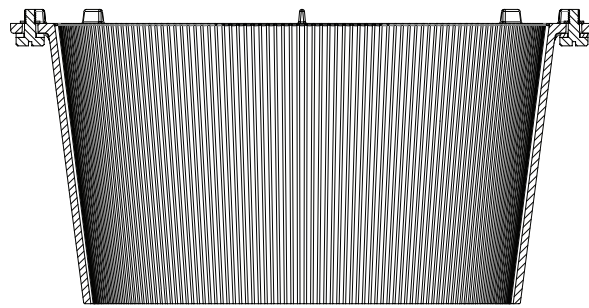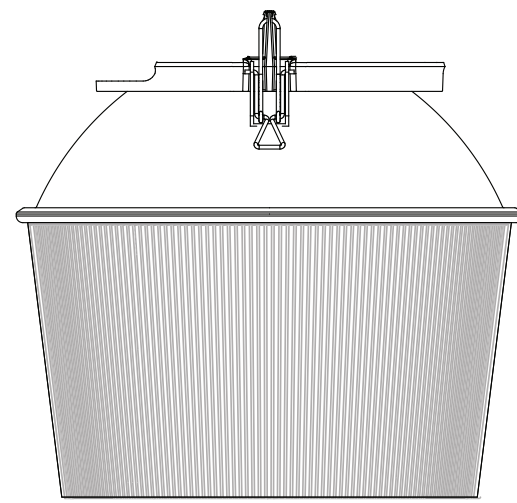
Standard Finishes

Grey

Natural Aluminum

Refractor Options

Dropdown Refractor Lens
Part# DR

NEMA Dropdown Lens
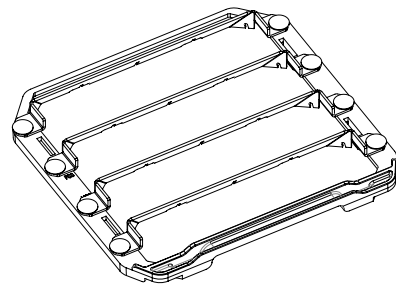(Provided by others)

Light Trespass Shielding

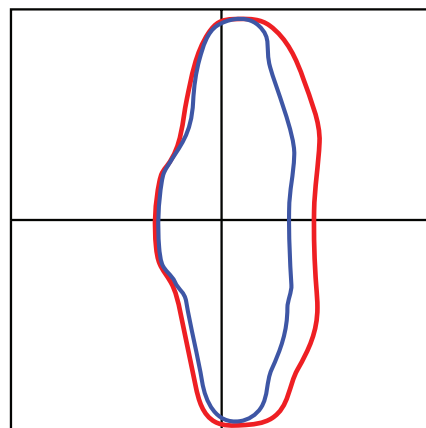### LEOTEK's Universal Light Trespass Shields Allow for Easy Snap-on Field Installation

Snap-on shields may be purchased for either field or factory installation. Shields fit completely inside the housing profile.
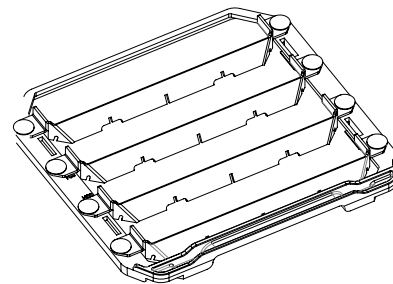
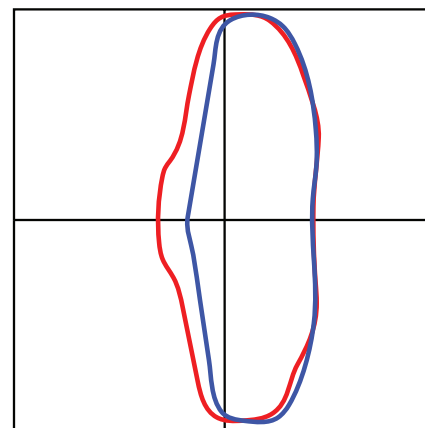| **Snap-on Front Side Shield (FSS)** Part# FSSUTL16	**Snap-on House Side Shield (HSS)** Part# HSSUTL16
Type 2 Light Distribution with FSS	Type 2 Light Distribution with HSS

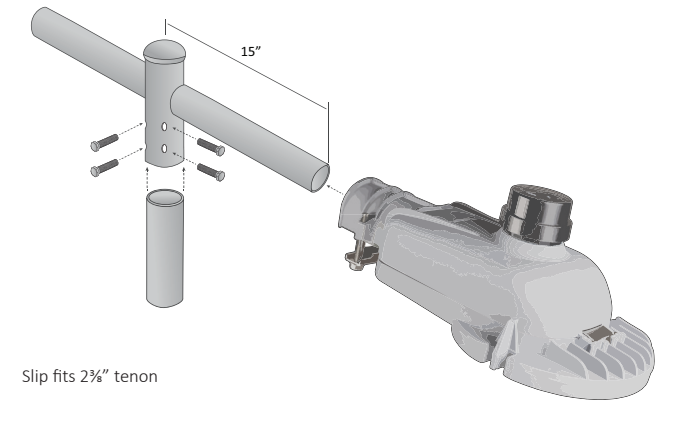With Shield: ▮ (blue)   Without Shield: ▮ (red)

Mounting Accessories

PTB- Pole Top Tenon Horizontal Arm Bracket

12"
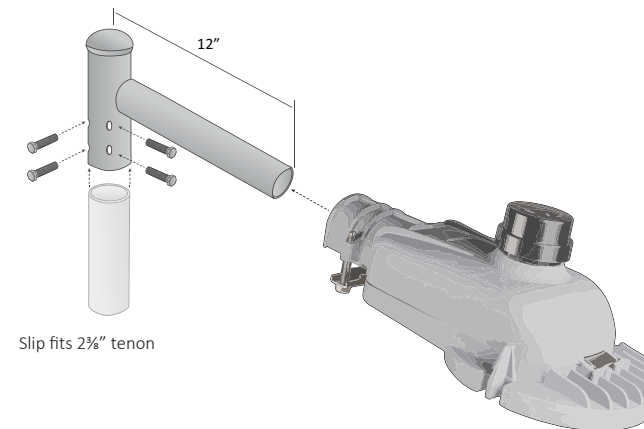
Slip fits 2⅜" tenon

Mounting Hardware provided with bracket
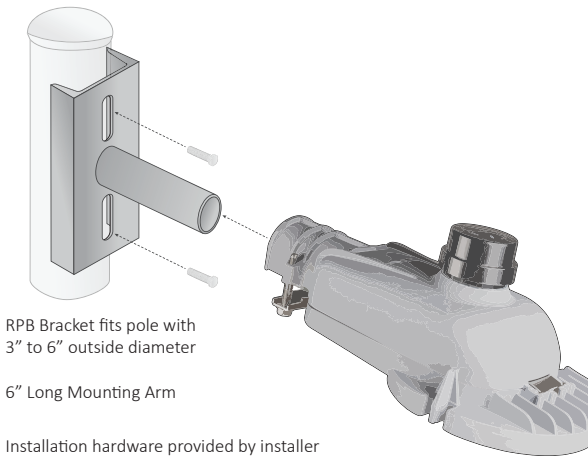3/8"-16 X 3/4" H.H.C.S. (2 SETS OF 2 @ 90°)

PTB2- Pole Top Tenon Horizontal Arm Bracket (2@180°)

15"

Slip fits 2⅜" tenon

Mounting Hardware provided with bracket
3/8"-16 X 3/4" H.H.C.S. (2 SETS OF 2 @ 90°)

RPB- Round Pole Horizontal Arm Bracket

RPB Bracket fits pole with
3" to 6" outside diameter

6" Long Mounting Arm

Installation hardware provided by installer

PA-18 - 18" Pipe Arm Accessory

[457.2 mm]
18"

[249 mm]
9.8"

⌀ Outside Diameter
1.654"
[42mm]
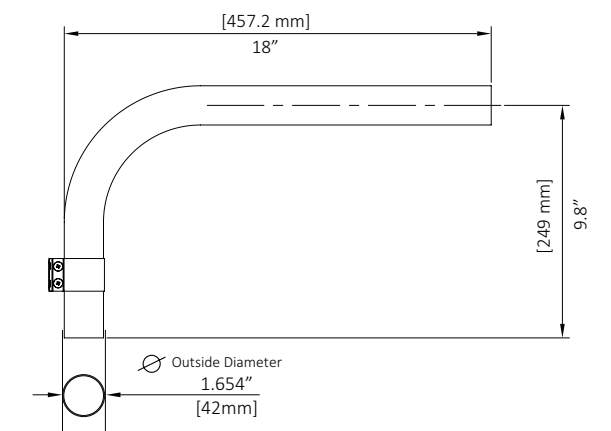
WB- Wall Horizontal Arm Bracket
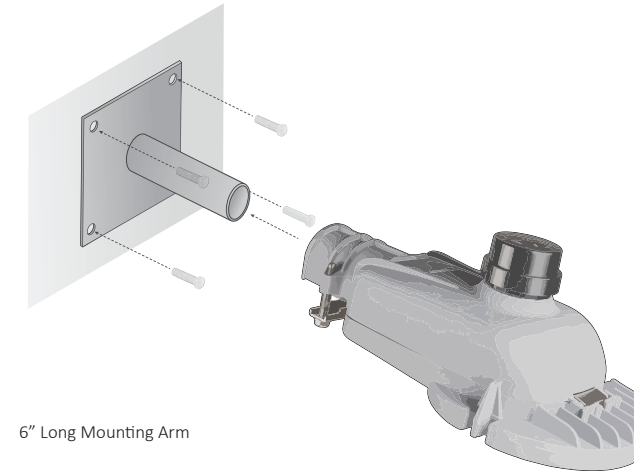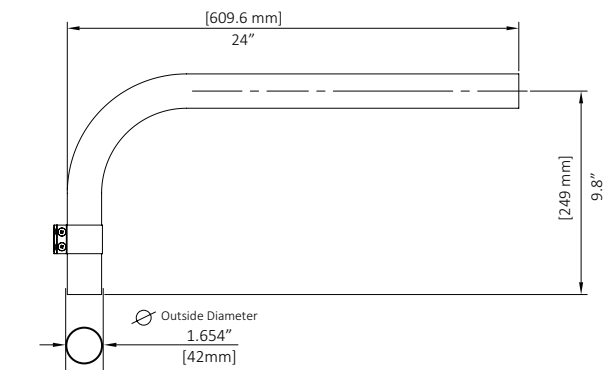

6" Long Mounting Arm

Installation hardware provided by installer

PA-24 - 24" Pipe Arm Accessory

[609.6 mm]
24"

[249 mm]
9.8"

⌀ Outside Diameter
1.654"
[42mm]

Specification drawings for mounting accessories are available at

https://leotek.com/lighting-library/

ComfortView™

ComfortView™ streetlights utilize a new approach to address glare for neighborhood streets. Now neighborhoods can be beautifully lit with more visual comfort than first-generation LED luminaires while maintaining safety and energy efficiency. As with our other GreenCobra® LED Streetlights, ComfortView™ is built with durable high-strength materials and reliable components, and is backed by our 10-Year Warranty and 30 years of experience building LED lighting products.

ComfortGuide®

Arieta® ComfortGuide™ is perfectly suited for parking lots, campuses, office complexes, streets and public parks, as well as many other applications. ComfortGuide™ utilizes a new approach to address glare produced by traditional lighting. First-generation LED optical systems incorporate a single optical lens over the LED.

Eseta™

Eseta's subtly distinctive form harmonizes with architecture without altering the building aesthetic. Eseta™ features ultra-high efficiency LED lighting greater than 100 lumens/watt, emergency battery system, two targeted distributions, innovative glare control, and motion sensor compatibility. Cold-weather rated for temperature range rating of -4°F to 140°F (-20°C to +60°C). An appealing and easy choice for retrofit applications.

LEOTEK®

LEOTEK Electronics USA LLC, located in California's Silicon Valley, is celebrating over thirty years as an LED lighting manufacturer, and is a leading supplier of LED streetlights worldwide. Globally recognized as a pioneer in light-emitting diode technology, and with millions of LED products installed worldwide, the company has a historical legacy of proven performance. LEOTEK offers innovative LED lighting products that integrate cutting-edge IoT and smart technology features into their lighting applications encompassing traffic, transit, street, and area lighting, providing advanced functionalities for efficient and intelligent lighting systems. LEOTEK street and area lighting products are assembled in the USA.

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