

**PHILIPS**

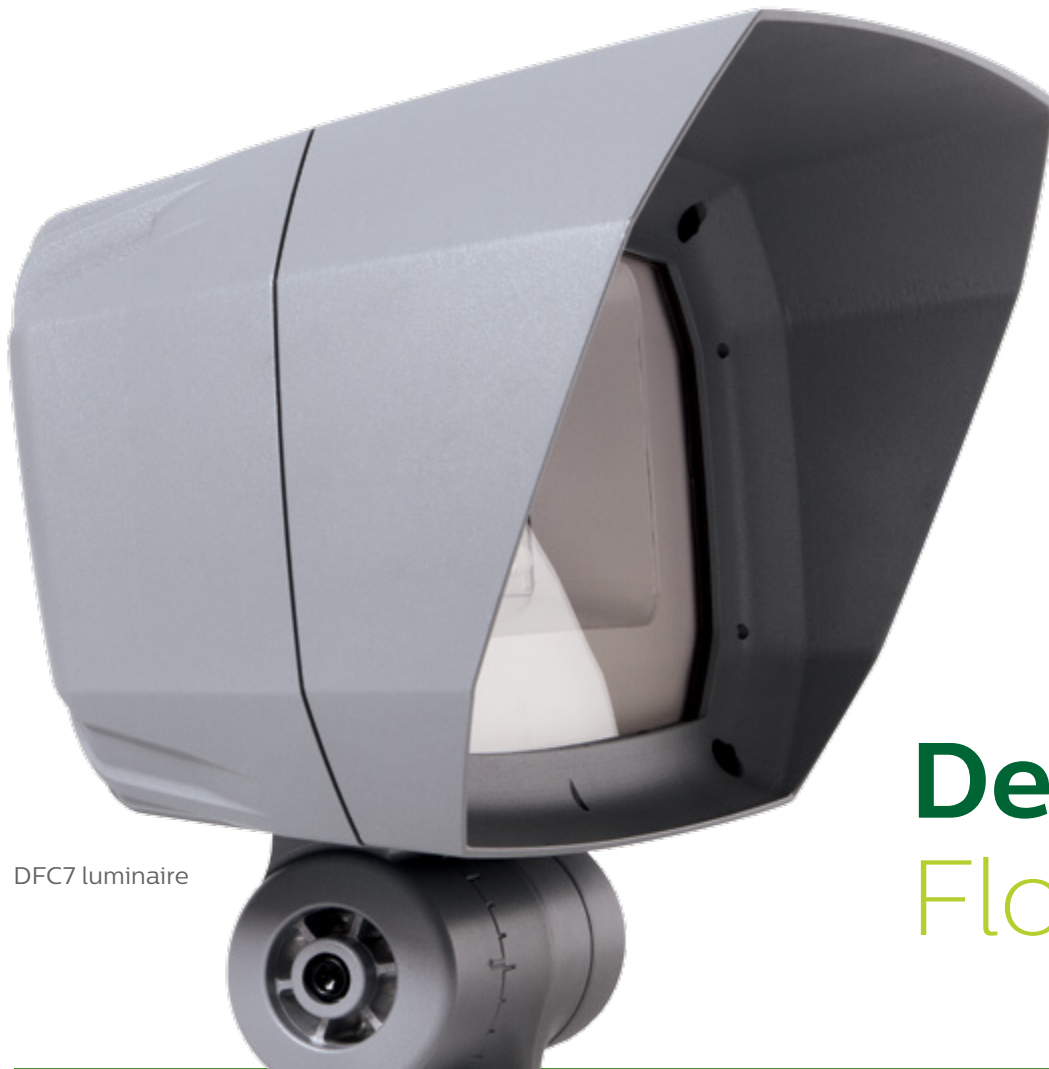


Floodlights

Designer Flood LED



A floodlight of practical design  
and **exceptional performance**



DFC7 luminaire

# Designer Flood LED

The Philips Gardco Designer Flood LED combines impressive floodlighting performance and control with the efficiency and energy savings of the LED source. Based on the popular Designer Floodlight Series, this new line of architectural luminaires is specifically designed for advanced LED arrays.

LEDs are significantly more sensitive and operate differently than HID systems. Simply placing LEDs into existing luminaires is almost certain to reduce LED life and adversely affect performance. The housing of the Designer Flood LED provides advanced thermal management to dissipate heat, thereby maximizing the inherent sustainability of the LED source.

While the housing shape is redesigned to better suit the source, the best elements of the Designer Floodlight Series are retained, including the die cast aluminum construction, rugged mounting knuckle, integral splice box, and tamper-resistant fasteners, all protected by a textured polyester powdercoat finish, silicone seals and moisture-proof gasketing.

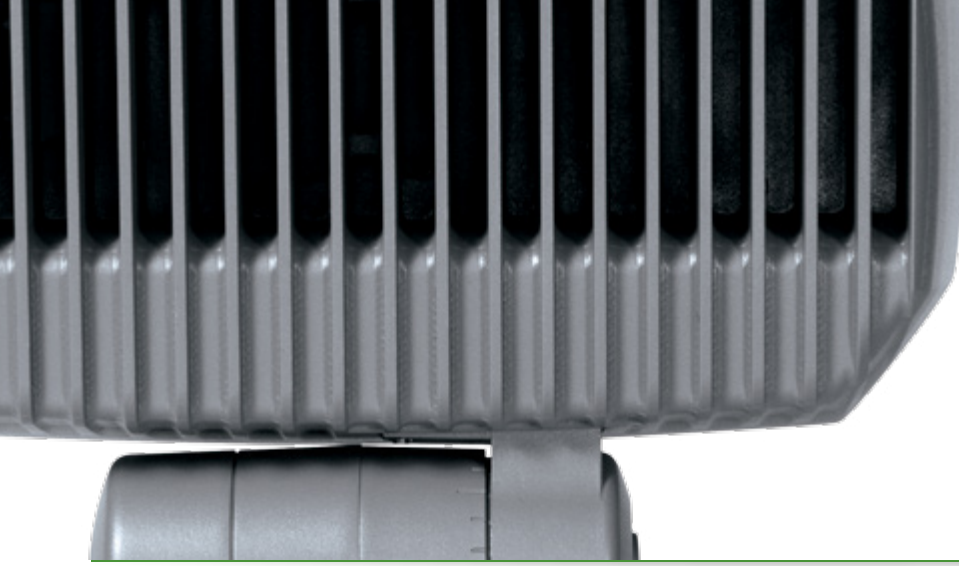
Whether ground, wall, ceiling or pole mounted, its timeless form is always appropriate, comfortably blending into its surroundings. It is performance, however, that distinguishes Philips Gardco and the Designer Flood LED. When used in place of HID systems, the Designer Flood LED offers significant energy savings.

Numerous precision optical systems are available, delivering the right pattern for any application. Free from streaks and striations, these distributions place the intended target in its best light. But having the right distribution pattern is only half of the battle. Frequently, setback considerations and architectural limitations make placing the luminaire extremely challenging. With its numerous mounting options, the Designer Flood LED addresses these concerns practically and handsomely. Mounting accessories are specifically designed to complement the luminaire, and with its integral splice box, the luminaire can be mounted flush at grade. Combined with 358° horizontal and 180° vertical rotational ability, you have a precision lighting instrument that can only come from Philips Gardco.



DFL7 luminaire





# Intelligent Construction

The low-level environment is extremely severe. Vandalism, landscaping equipment and Mother Nature combine to gradually destroy everything within its grasp. And yet it is also a setting where the luminaire is most often seen, with mounting positioned nearer to the users of the site. A luminaire must be solid and durable if it is to survive in these harsh surroundings.



## Heavy Duty Knuckle

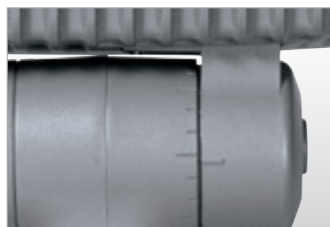
The knuckle is the Achilles' Heel of the common floodlight, where even a minor impact can break or bend the assembly. Philips Gardco's structural, die cast aluminum knuckle integrally supports the luminaire and withstands abusive treatment.

Durable and practical construction features are a hallmark of all Philips Gardco products, including the Designer Flood LED. Die cast aluminum construction ensures precise mating of the luminaire components and provides for long-lasting operation. Deep integral airways direct airflow around the luminaire serving to dissipate heat, crucial to long LED life. The luminaire is thoroughly sealed and gasketed at all points of entry and material transition to exclude moisture, dust, contaminants and insects. Textured polyester powdercoat finishes repel moisture, corrosives and ultraviolet rays. Every luminaire is thoroughly tested to ensure proper electrical operation.



## Integrated J-Box

Wire splices are made in the spacious splice compartment, which is suitable for through-circuit wiring. No auxiliary junction box is required, allowing for at-grade mounting. Fully gasketed providing a cULus Wet Location seal.



## Easily Adjustable

A single hex head bolt is tightened to secure the luminaire's tilt. Incremental 5° tick marks are provided in the casting to allow for precise aiming and to facilitate the alignment of multiple luminaires.



## Versatile Options

A full range of options is available, including Barn Doors, a Polycarbonate Shield, a Wire Guard and an Extended Splice Box that allows for additional wire throughput.

## LED performance

offering significant  
energy savings  
versus HID

### The primary assessment of a sophisticated floodlight is performance.

The needs are simple: provide practical distribution patterns that feature clean, unstriated illumination, allow for wide luminaire spacings and minimize brightness at normal viewing angles. The Philips Gardco Designer Flood LED accomplishes this with numerous precision optical systems, each providing distinct visual cutoff to the LED source at normal viewing angles. The DFC7 features a cutoff hood to further control unwanted brightness.

#### Spot 'SP'

##### Applications:

Wall Grazing, Columns,  
Statues and Monuments,  
Bridges



20' Setback, 0° Tilt  
50% Main Beam: 15°H x 15°V  
10% Field Beam: 24°H x 24°V

#### Rectangular Spot 'RSP'

##### Applications:

Flags, Signage, Statues

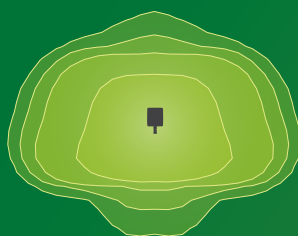


20' Setback, 0° Tilt  
50% Main Beam: 22°H x 13°V  
10% Field Beam: 40°H x 30°V

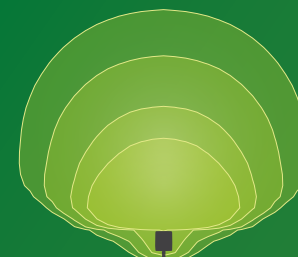
#### Asymmetric 33° Flood 'A33' (6H x 5V)

##### Applications:

Area Lighting, Facade (10-20'),  
Courtyard, Vertical Signage



20' Setback, 0° Tilt  
50% Main Beam: 81°H x 38°V  
10% Field Beam: 119°H x 77°V

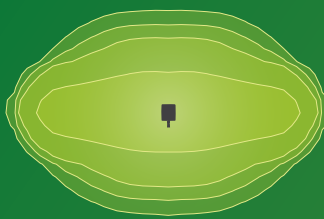


10' Setback, 60° Tilt  
50% Main Beam: 81°H x 38°V  
10% Field Beam: 119°H x 77°V

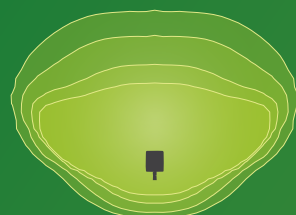
#### Rectangular Medium 'RM' (6H x 5V)

##### Applications:

General Area, Ground-Mounted  
Signage, Atriums, Facade  
(One-Story)



20' Setback, 0° Tilt  
50% Main Beam: 81°H x 39°V  
10% Field Beam: 119°H x 77°V

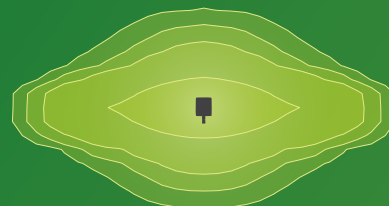


5' Setback, 25° Tilt  
50% Main Beam: 81°H x 39°V  
10% Field Beam: 119°H x 77°V

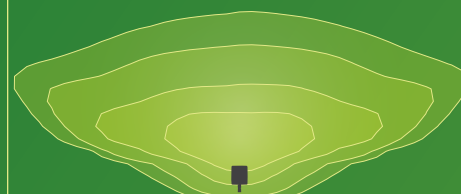
#### Rectangular Narrow 'RN' (7H x 5V)

##### Applications:

Facade (30-50'), Signage,  
Wall Grazing, Ceilings












20' Setback, 0° Tilt  
50% Main Beam: 138°H x 41°V  
10% Field Beam: 148°H x 75°V



15' Setback, 45° Tilt  
50% Main Beam: 138°H x 41°V  
10% Field Beam: 148°H x 75°V

## Ordering guide

example: DFL7-C-A33-32L-900-NW-G2-UNV-DGY-SP2-BD

Luminaire	Mounting	Distribution	Number of LEDs	Drive Current	LED Color - Generation	Voltage	Finish	Options
								
<b>DFL7</b> Designer Floodlight LED 7" with Standard Flat Door	<b>C</b> Stub-up Conduit Mount. For direct mounting to (2) 1/2" (1.27cm) or 3/4" (1.91cm) GRC or IMC conduits. No j-box required. Must use factory supplied mounting insert when setting stub-ups.	<b>SP</b> Spot (12" round) <b>RSP</b> Rectangular Spot	<b>16L</b> 16 LEDs	<b>700</b> 700mA <b>1200</b> 1200mA	<b>CW-G2</b> Cool White 5700K, 70 CRI Generation 2 <b>NW-G2</b> Neutral White 4000K, 70 CRI Generation 2 <b>WW-G2</b> Warm White 3000K, 70 CRI Generation 2	<b>UNV</b> 120-277V (50/60Hz) <b>HVU</b> 347-480V (50/60Hz) <b>120</b> 120V <b>208</b> 208V <b>240</b> 240V <b>277</b> 277V <b>347</b> 347V <b>480</b> 480V	<b>Textured</b> <b>BK</b> Black <b>WH</b> White <b>BZ</b> Bronze <b>DGY</b> Dark Gray <b>MGY</b> Medium Gray <b>Customer specified</b> <b>RAL</b> Specify optional color or RAL (ex: OC-LGP or OC-RAL7024) <b>CC</b> Custom color (Must supply color chip for required factory quote)	<b>DD</b> 0-10V Dimming Driver (controls by others) <b>PCB</b> Photocontrol Button <b>BD</b> Barn Doors <b>PSO</b> Offset Polycarbonate Flat Shield <b>ESB</b> Extended Splice Box <b>WG</b> Wire Guard
<b>DFC7</b> Designer Floodlight LED 7" with Standard Cutoff Hood	<b>J</b> J-Box Mount. For mounting into 1/2" (1.27cm) hub. Also suitable for direct surface mount to walls or ceilings when fed by EMT, BX, SJO, NM, etc. (For surface mount over outlet box, specify W or W90 mount). <b>W</b> Wall/Ceiling Canopy Mount. For mounting over (not to) a 4" recessed outlet box. When mounted on vertical surface, provides vertical aiming from straight down to 100° up from nadir. When mounted on a vertical surface, long axis of luminaire must be horizontal (+/-30°). Mounts directly to wall or ceiling. The surface structure must be suitable to support the luminaire. Only suitable for use on non-combustible surfaces. <b>WMB</b> Wall Mount Bullhorn. For mounting over (not to) a 4" (10.16cm) recessed outlet box. Provides full axial 180° vertical and 358° rotational aiming. Mounts direct to wall. Surface structure must be suitable to support the assembly. Outer end of WMB must be in the "straight up" position, as shown in diagram on specification sheet. Luminaire mounts with the knuckle below the body of the luminaire only. <b>W90</b> Wall Arm Mount. For mounting over (not to) a 4" (10.16cm) recessed outlet box. Provides full axial 180° vertical and 358° rotational aiming range. Mounts direct to wall. Surface structure must be suitable to support the luminaire. When mounted in wet locations, luminaire must be mounted as shown in diagrams on specification sheet. In damp or dry locations, arm assembly may be inverted. <b>ST</b> Stanchion Mount. 18" (45.72cm) stanchion for in-ground concrete burial mounting. <b>SM</b> Surface Mount Stanchion. For mounting to 18" (45.72cm) stanchion pole assembly.	<b>RM</b> Rectangular Medium Flood <b>RN</b> Rectangular Narrow Flood <b>A33</b> Asymmetric 33° Flood	<b>32L</b> 32 LEDs	<b>700</b> 700mA <b>900</b> 900mA				<b>Fusing</b> <b>F1</b> Single (120, 277, 347VAC) <b>F2</b> Double (208, 240, 480VAC) <b>F3</b> Canadian Double Pull (208, 240, 480VAC) <b>Surge Protection</b> <b>SP2</b> 20KV 10KA 120-277VAC <b>SP2HV</b> 20KV 10KA 347-480VAC

## Additional Mounting Accessories

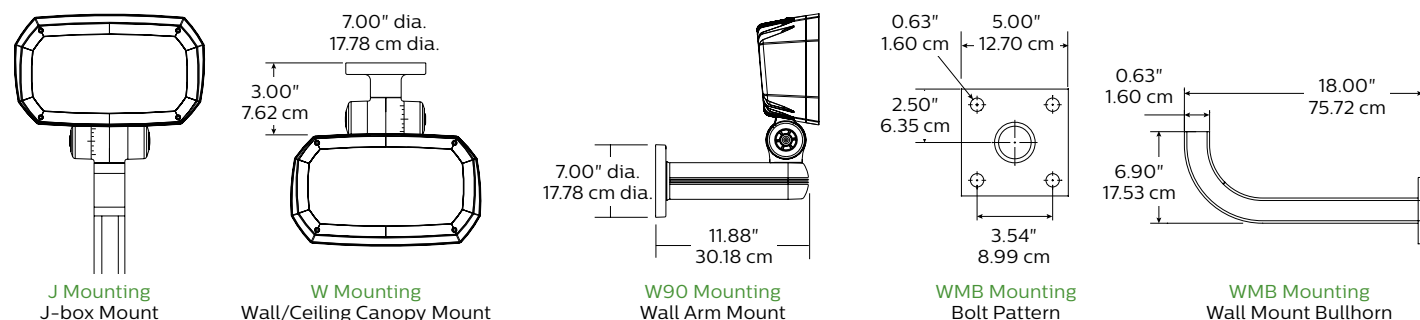
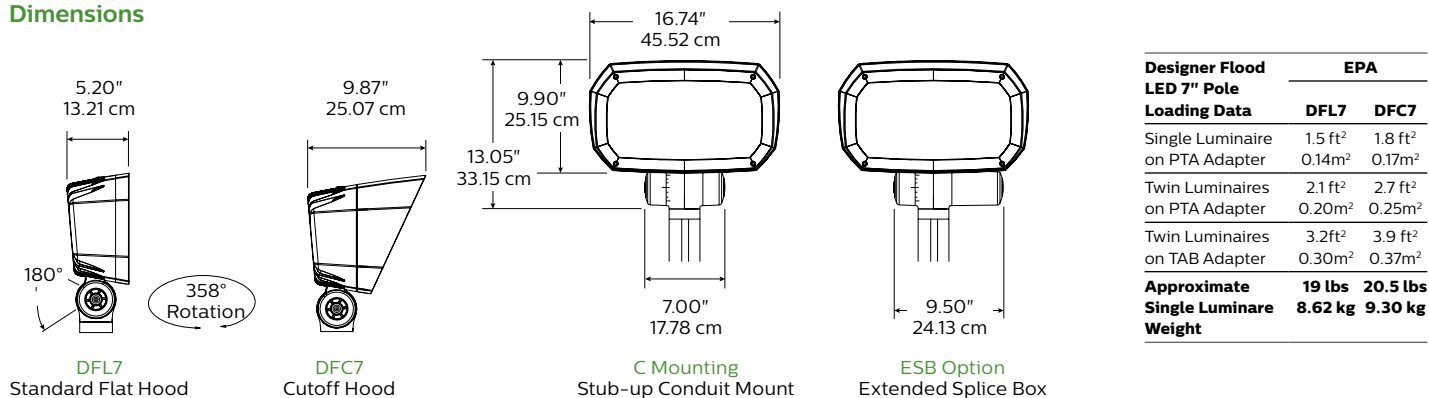
**PTA** Pole top 2 3/8" (6.03cm) tenon adapter

**TAB** Twin arm bracket for use with ST or PTA

**PT2** Pole top 2 3/8" (6.03cm) tenon adapter for twin back to back luminaire mounting.

\* Prior to ordering, consult specification sheets on [www.philips.com/luminaires](http://www.philips.com/luminaires) for the most current information, notes, and exclusions.

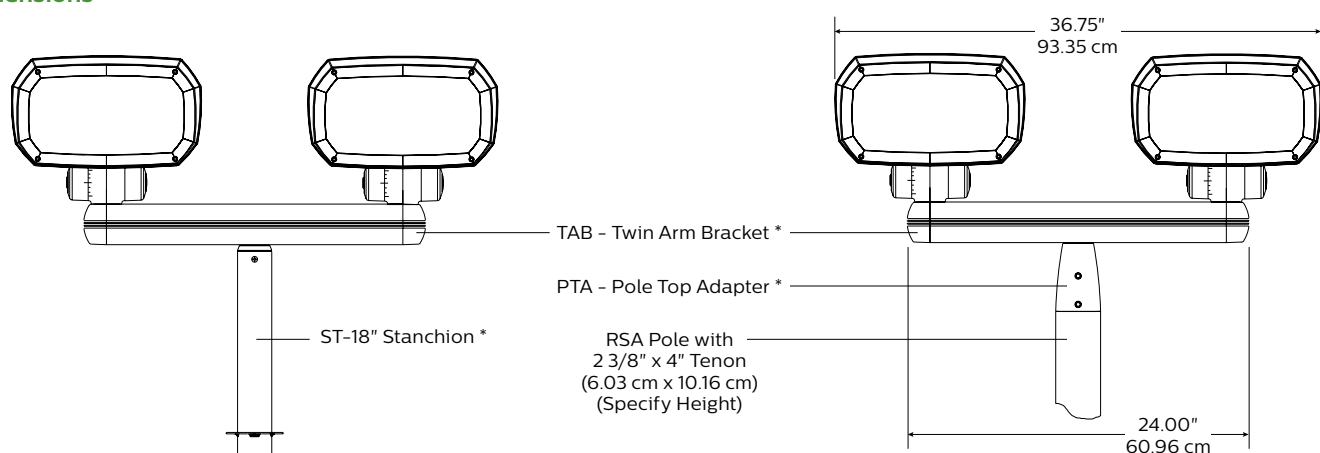
## Dimensions





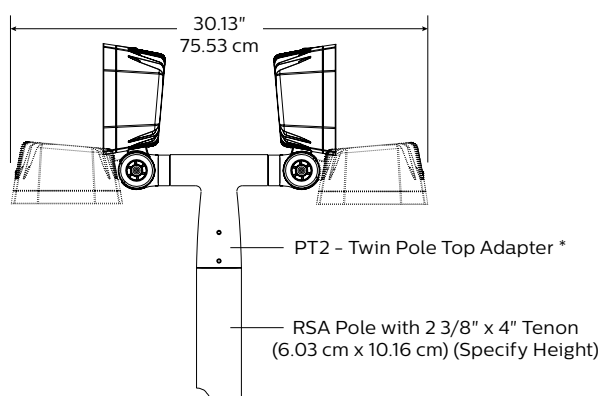
Designer Flood LED  
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Floodlighting  
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Specifications  
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## Dimensions

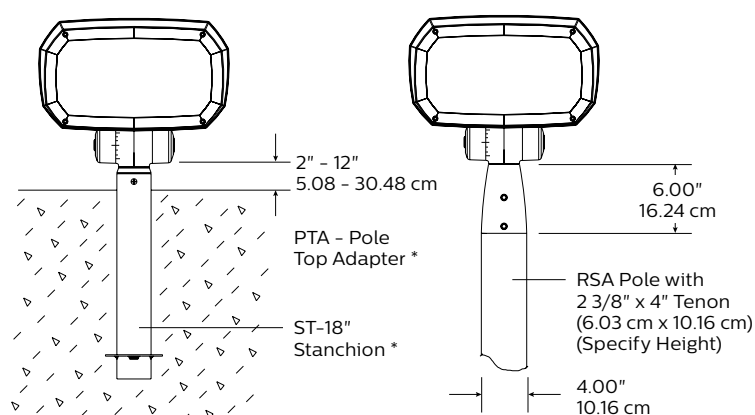


**ST Mounting w/TAB**  
Stanchion Mount with Twin Arm Bracket

**PTA Mounting w/TAB**  
Pole Top Mount with Twin Arm Bracket



**PT2 Mounting**  
Pole Top Tenon Adapter for Twin Back-to-Back



**ST Mounting**  
Stanchion Mount in Ground/Concrete

**PTA Mounting**  
Pole Top Mount with Pole Top Adapter

\* Order mounting accessories separately.



