

1x – wooden drill template



Anchor kit

Included: hardware is galvanized

3.4m, 4.2m, 5.0m, 5.8m pole: (4) anchor bolts, 3/4"-10 x 17" x 3" hook,
(8) heavy hex nuts, 3/4" x 10, (8) flat washers, .81 ID" x 1.5" OD x 0.13" thick

6.6m pole: (4) anchor bolts, 3/4"-10 x 17" x 3" hook,
(8) heavy hex nuts, 3/4" x 10, (8) flat washers, .81 ID" x 2" OD x 0.13" thick

Tools Required

- Safety glasses
- Wrenches, 1-1/4" for 3.4m, 4.2m, 5.0m, 5.8m or 6.6m pole
- Level
- Phillips head screwdriver
- Wiring tools and connectors
- Proper personnel, crane or lift for hoisting unit onto anchors
- Dimming control, if required
- Hex key 5/32" for nut covers
- Twist lock photo eye, if required
- 4mm, 5mm and 6mm hex keys

LIGHTING LAYOUT RECOMMENDATIONS:

Refer to the product data sheet available at www.landscapeforms.com for recommendations for light pole spacing.

Landscape Forms is not responsible for site preparation and footings.

CAUTION! This unit is heavy. To avoid injury or damage to the finish, we recommend using a crane or lift for hoisting the unit onto the anchors.

WARNING! Pole mounted luminaires must be attached either before or *immediately* after pole installation. Failure to do so may cause vibration damage to the pole and will void the pole warranty.

INSTALLATION PROCEDURE FOR ANCHOR BOLTS:

1. Prepare footing as required by local codes.
2. Install anchor hooks, hex nuts, washers and wooden template as shown in Fig 3. Level template in all directions. **Note:** template thickness is less than base plate thickness. Dimensions given account for the difference.
3. After footing has properly cured, remove wooden template. Do not remove lower hex nuts or washers.

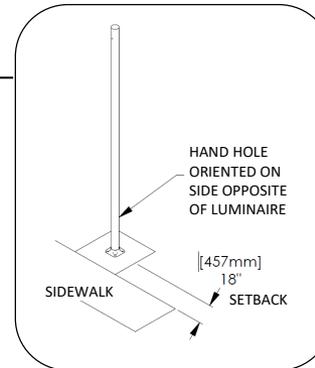


Fig. 1 – Sidewalk setback

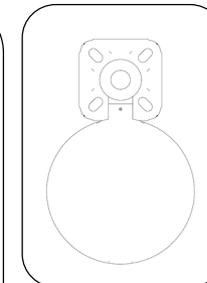
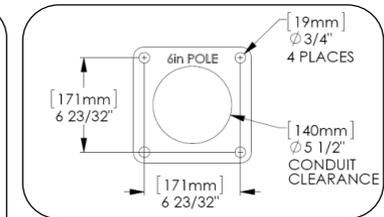


Fig. 2 – Base plate orientation to luminaire



6" diameter pole

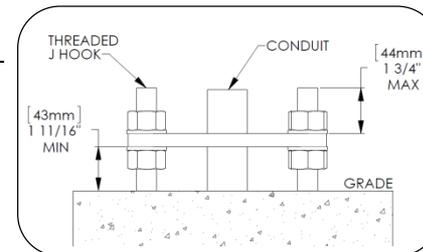
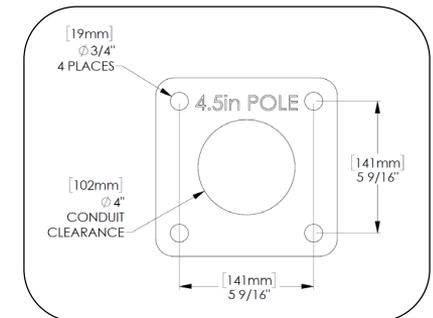
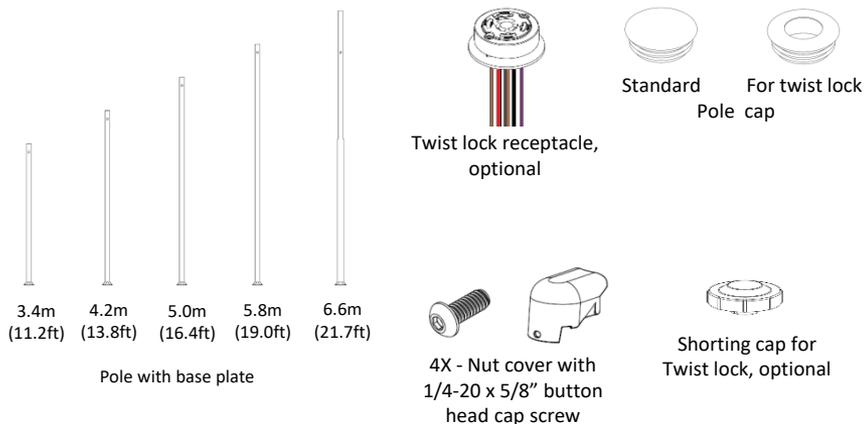


Fig. 3 – Anchor install detail



4.5" diameter pole

Included components



INSTALLATION PROCEDURE FOR LIGHT POLE:

1. Lift the light pole into position over the installed anchors. Ensure that the base plate is resting on all four washers.
2. Install washer and hex nut as shown in Fig. 4.
3. Plumb and level the pole and tighten all anchors.
4. Install luminaire. Refer to luminaire installation guide for mounting luminaire to pole.
5. Make electrical connections. Refer to wiring diagram.
6. Install the top cap on the pole (shipped with the pole). If the unit has a twist lock receptacle, assemble the receptacle and the top cap as shown in Fig. 5 and connect wiring before installing the top cap.
7. Install the nut covers as shown in Fig. 6.

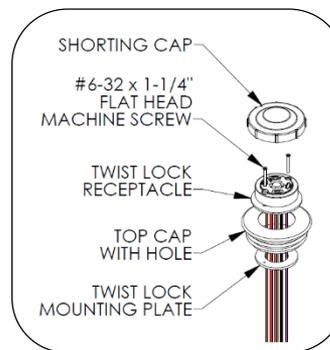


Fig. 5 – Install twist lock receptacle to top cap

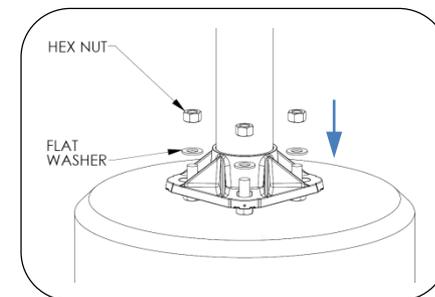


Fig. 4 – Install pole

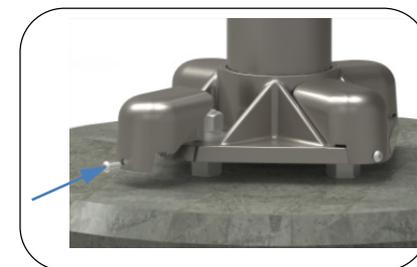


Fig. 6 – Install nut covers

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WARNING! Pole mounted luminaires must be attached either before or *immediately* after pole installation. Failure to do so may cause vibration damage to the pole and will void the pole warranty.

Calculations per AASHTO 1994, assuming base of the pole is at grade level.

Center of pressure for total fixture EPA is placed at the pole top. Center of gravity for total fixture weight is placed one foot horizontally out from pole to calculate base overturning moment and base shear.

POLE NUMBER	DESCRIPTION	HT OF POLE	POLE DIA.	NUMBER OF FIXTURES	TOTAL FIXTURE WEIGHT (lbs)	TOTAL EPA (FT²)	110 MPH w/ 1.3 GUST	
							BASE OVERTURNING MOMENT (FT-LBF)	BASE SHEAR (LBF)
SPF11P/SPF13P	SLOPE POLE, 3.4M, 1-2 LUMS, SAME HT	11'-1 3/4"	4.5"	2	27.2	0.7	1161	172
SPF21P/SPF239	SLOPE POLE, 4.2M, 1-2 LUMS, SAME HT	13'-9 1/4"	4.5"	2	27.2	0.7	1602	201
SPF22P	SLOPE POLE, 4.2M, 2 LUMS, DIFF HT	13'-9 1/4"	4.5"	2	27.2	0.7	1602	201
SPF31P/SPF33P	SLOPE POLE, 5.0M, 1-2 LUMS, SAME HT	16'-4 3/4"	4.5"	2	27.2	0.7	2207	235
SPF32P	SLOPE POLE, 5.0M, 2 LUMS, DIFF HT	16'-4 3/4"	4.5"	2	27.2	0.7	2207	235
SPF51P	SLOPE POLE, 6.6M, 3 LUMS, DIFF HT	27'-7 3/4"	4.5"/6"	3	40.8	1.05	4057	312