OPL4v2

4" Square Straight Steel Pole for Area Lights

Project

Catalog

Type

Date

Product Description

The OPL4v2 4-inch square straight steel poles are engineered for commercial, municipal, and industrial area lighting applications. The pole shaft is fabricated from high-grade structural steel tubing conforming to ASTM A500 Grade C specifications with an 11-gauge (.120") wall thickness and minimum yield strength of 50,000 PSI. The poles feature a fabricated carbon steel base plate (conforming to ASTM A36 standards), reinforced galvanized sheet stamped hand hole cover with grounding provisions, and a textured architectural bronze powder coat finish for long-term durability and corrosion resistance. The assembly also includes a removable pole-cap and a two-piece formed steel base cover for a clean finished appearance.

Construction

- Fabricated from high-grade structural steel tubing
- ASTM A500 Grade C steel shafts
- 11 Gauge (.120") wall thicknesses
- ASTM A36 fabricated carbon steel base plates
- Reinforced galvanized sheet stamped hand hole covers
- Two-piece formed steel base covers
- Textured architectural bronze powder coat finishes
- Removable polycarbonate pole cap included
- Designed for commercial, municipal, and industrial lighting applications
- Removable rubber mounting plugs included
- With a fine textured Bronze (RAL# 8014) finish

Electrical

- Integrated ground screws and back bars
- Reinforced hand holes for wiring access
- Standard 4-90 drilling configurations
- Optional tenon mount configurations available

Installation

- Designed for straightforward installations
- Compatible with NICOR OAL Series LED Area Light fixtures
- Four (4) galvanized L-shaped anchor bolts (0.75" x 30" x 3") with template available
- Anchor bolts conform to ASTM F1554 Grade 55 with min. yield strength of 55,000 PSI
- 4-bolt mounting base configurations
- Available in 15', 20', and 25' heights
- Hand holes positioned 18" above bases

Listings

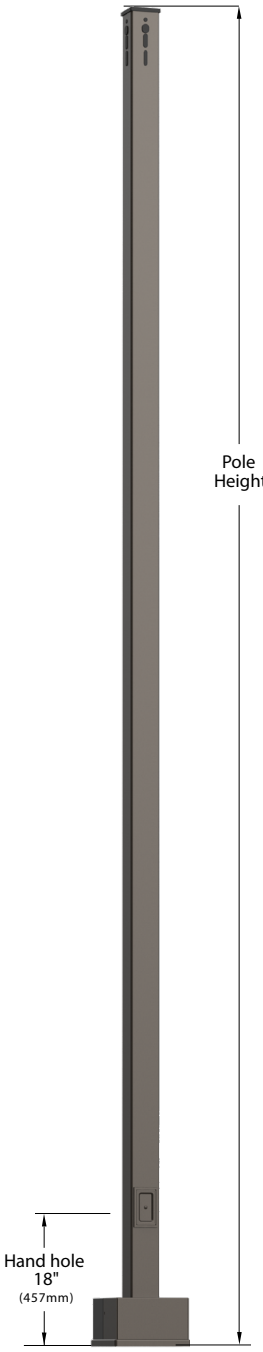
- ASTM A500 Grade C steel shafts
- ASTM A36 carbon steel base plates
- ASTM F1554 Grade 55 anchor bolts

Warranty

- 5-year limited system warranty standard
- 1-year warranty on pole accessories

CompatibleFixtures
OAL3
OAL4
OAL5
OFL4*

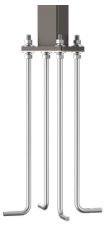
* 150W and 320W models only
* Requires a tenon adapter

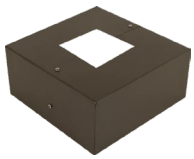



Drilling Side Mount w/ plugs


Hand hole Cover w/ ground screw and back bar


Base Plate


Anchorage


Base Cover 2-pc Assembly

WET LOCATION RATED

5 YEAR WARRANTY

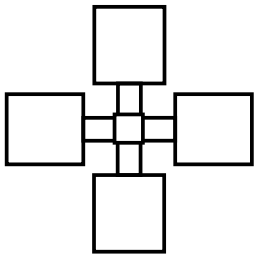
Ordering Information

Example: OPL42NQS2011D4BZK

Series	Diameter	Version	Style/Shape	Material	Height	Gauge	Drill Mount	Finish	Kit
OPL	**4** (4″)	**2**	**NQ** (Non-tapered, Square)	**S** (Steel)	☐ **15** (15′ height)	**11**	**D4** (Quad fixture mount)	**BZ** (Bronze)	☐ **K** (kit)
					☐ **20** (20′ height)				
					☐ **25** (25′ height)				

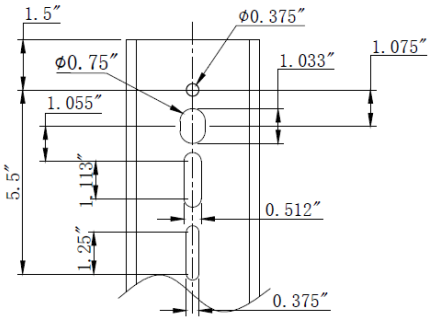
* Complete kit consisting of the following part's: OPL42NQSXX11D4BZ, OPL42SQBASECOVERBZ, OPL42SQPOLECAP, and OPL42075303 (.75″ x 30″ x 3″ Anchor bolts)

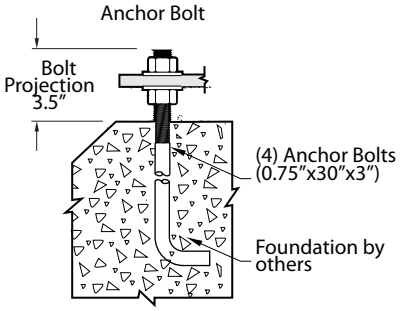
Drilling Side Mount & Bolt Circle



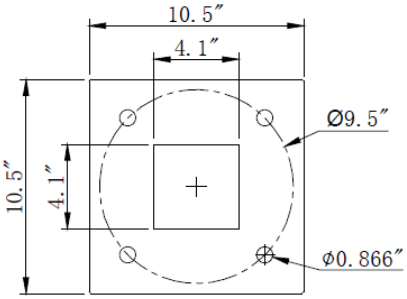
D4

4-90

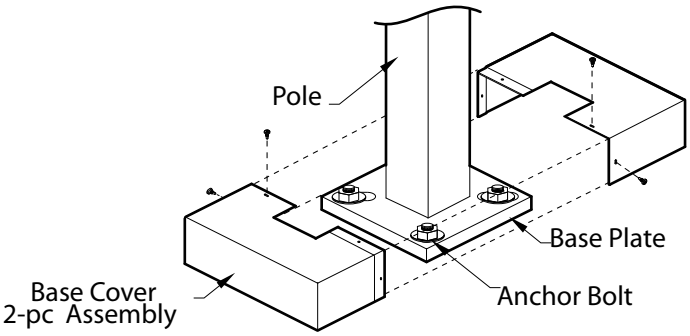




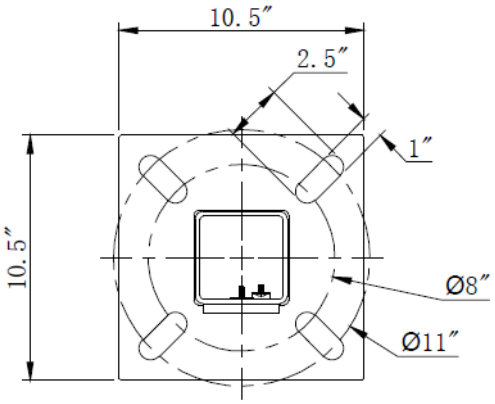
Bolt drilling pattern



Base Cover
2-pc Assembly

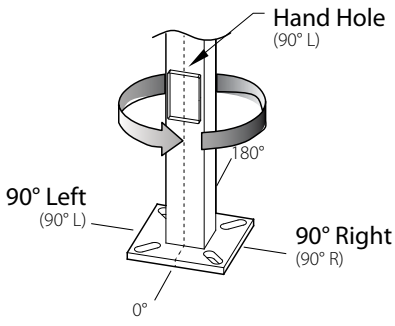


Base Plate



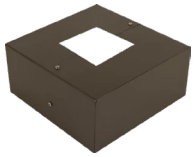
Location Diagram

Please use this diagram to indicate placement location



Accessories

Accessories	
Steel Two Piece Pole Base Cover	☐ OPL42SQBASECOVERBZ
Polycarbonate Pole Cap	☐ OPL42SQPOLECAP
.75" x 30" x 3" Anchor bolts and Steel Template	☐ OPL42075303
Hand Hole Cover	☐ OPL42HANDHOLECOVERBZ
Rubber Hole Plugs	☐ OPL42PLUGSBK
Tenon Adapter	☐ OPL42TNBBZ
Dual Tenon Adapter	☐ OPL42TN2BZ
180° Bullhorn Adapter	☐ OPL41BH2S
180° Triple Bullhorn Adapter	☐ OPL42BH3SBZ
120° Triple Bullhorn Adapter	☐ OPL41BH3A
90° Quad Bullhorn Adapter	☐ OPL41BH4A
180° Wallmount bracket	☐ OPL42WM1BZ
90° Wallmount bracket	☐ OPL42WM2BZ
Bronze Touch up paint spray can	☐ OPLSPRAYPAINTBZ



OPL42SQBASECOVERBZ



OPL42SQPOLECAP



OPL42075303



OPL42TNBBZ



OPL42PLUGSBK



OPL42HANDHOLECOVERBZ



OPL42BH3SBZ



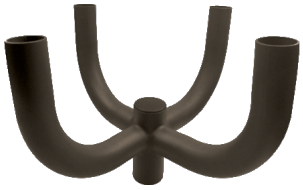
OPL41BH2S



OPL42TN2BZ



OPL41BH3A



OPL41BH4A

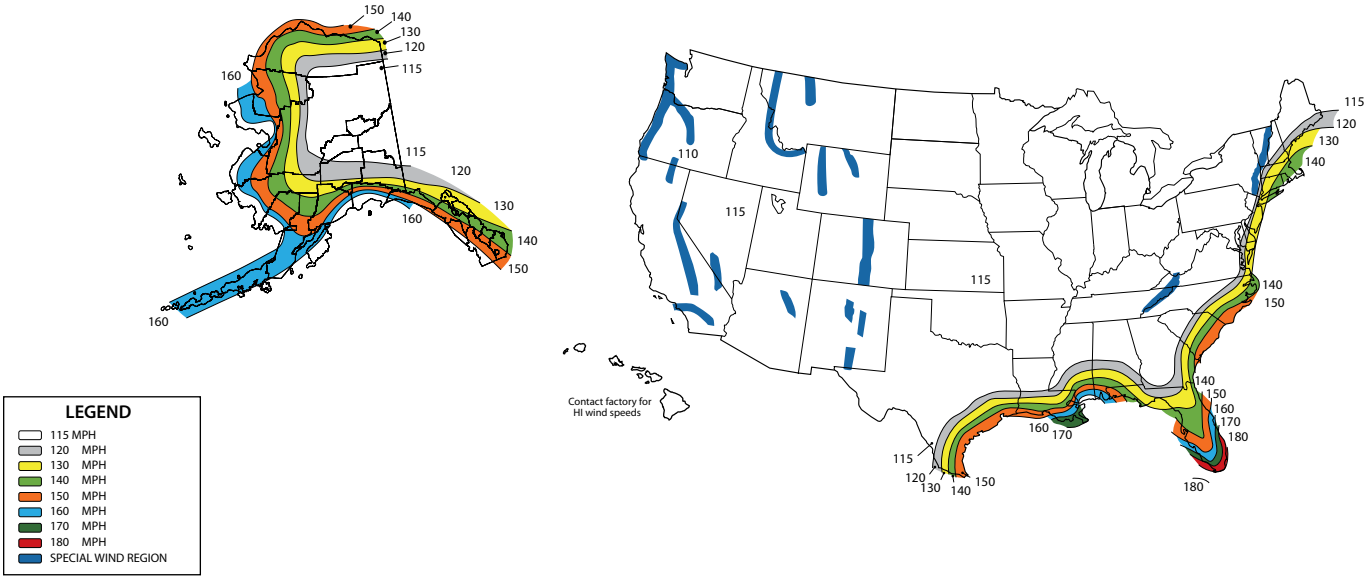


OPL42WM2BZ



OPL42WM1BZ

Wind Map



Wind Loading and Dimensional Data:

Pole Description		Total Luminaire Weight (Lbs)	100 MPH	110 MPH	120 MPH	130 MPH	140 MPH	150 MPH	160 MPH	170 MPH	180 MPH
Shaft Size & Wall Thickness	Pole Height		Max EPA (SQ FT)	Max EPA (SQ FT)	Max EPA (SQ FT)	Max EPA (SQ FT)	Max EPA (SQ FT)	Max EPA (SQ FT)	Max EPA (SQ FT)	Max EPA (SQ FT)	Max EPA (SQ FT)
4" Square 11 Gauge	15' (4572mm)	245	10.8	8.4	6.5	5.0	4.0	3.0	2.2	1.6	1.1
	20' (6096mm)	200	6.2	4.4	3.0	1.9	1.1	0.4	0.0	0.0	0.0
	25' (7620mm)	162.5	3.0	1.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0

** Please use the following to obtain the proper weight capacity: The maximum fixture weight equals 60 lbs. or the product of 35 lbs. x the EPA value, whichever is greater, not to exceed 300 lbs. Example, EPA = 2.2 , weight = 35 lbs. x 2.2 EPA = 77 lbs.*

1.Effective Projected Area (EPA) in square feet. EPA's calculated using wind velocity (mph) indicated in accordance with 2009 AASHTO LTS-5 using a 25-year design life. Maximum EPA is based on the luminaire weight shown.

2.Consult factory on loading criteria for pole top mounted luminaires and/or brackets.

3.Variations from sizes above are available upon inquiry at the factory.

4.Satisfactory performance of poles is dependent upon the pole being properly attached to a supporting foundation of adequate design.