

PSA

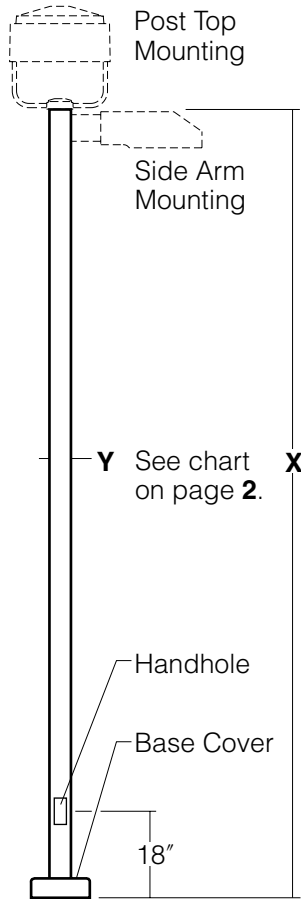
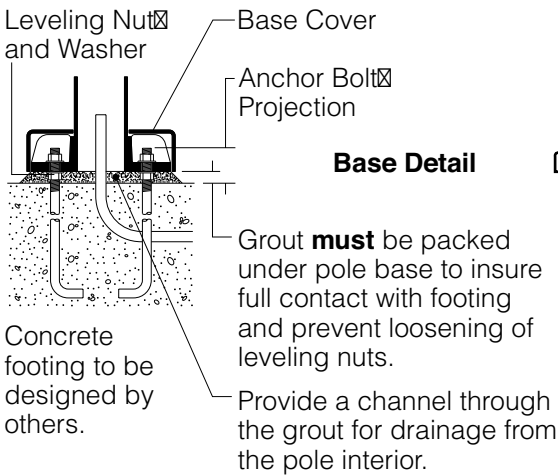
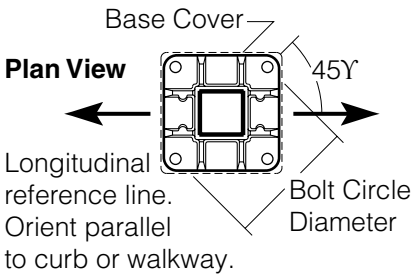
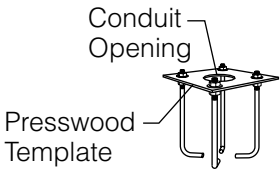
SQUARE ALUMINUM NON-TAPERED POLE

Type:
Job:
Catalog number:

Approvals:

Pole Cat. No.	/	/	/	/	/
	Mounting	Structural Luminaire Option	Finish	Optional Hinged Base	Optional Duplex Receptacle
See page 2			See page 3		

Specifications



Pole Construction: Seamless square extruded aluminum tube of alloy 6061-T6, welded to top and bottom of aluminum base casting of alloy 356.

Base Cover: Base has a two-piece cast aluminum full cover of 319 alloy, secured by stainless steel screws.

Pole Cap: A flush-sided cast aluminum pole cap is provided for side arm mounted luminaires.

Handhole: 18" up from base, with a gasketed cover and ground lug.

Anchor Bolts: Four galvanized anchor bolts provided, complete with eight nuts, eight flat washers, and a presswood template.

Reinforcing Sleeve: All poles 25' and above include an internal aluminum reinforcing sleeve, welded at the base.

Strength: Poles will withstand wind loads as listed in chart (see page 2) when luminaires are mounted per fixture installation instructions.

Finish: Super TGIC thermoset polyester powder coat paint applied over a titanated zirconium conversion coating.

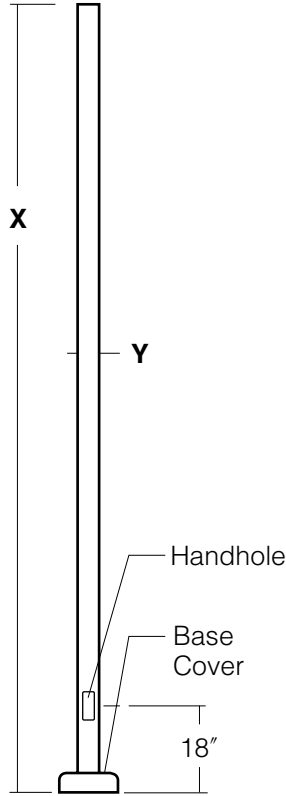
CAUTION: Installation of poles without luminaire(s) will compromise pole strength. Any accessories attached to pole, or other modifications will compromise pole strength and may result in pole failure.

Maintenance: A regularly scheduled maintenance program must be established to insure the protective paint coating is intact, corrosion or structural damage has not occurred, and anchor bolt nuts are tight. Failure to do so could lead to pole collapse and serious personal injury.

Certification: Certified UL 1598 in accordance with Article 410 of ANSI/NFPA 70, National Electrical Code.

Standard Features

NOTE: All allowable pole and fixture EPAs are derived from the AASHTO standard. Responsibility lies with the specifier for correct pole selection based on local codes and standards for the job location. (See page 4).



Pole Catalog Number	X	Y	Allowable Pole EPA							Wind Map Steady Wind	
			85	90	100	110	120	130	140	150	
IPSA12-4125	12'	4" x .125	12.82	11.05	9.88	7.53	5.75	4.36	3.26	2.37	
IPSA14-4125	14'	4" x .125	9.87	8.34	7.34	5.33	3.80	2.61	1.67	---	
IPSA14-4188	14'	4" x .188	18.08	15.67	14.09	10.90	8.48	6.60	5.11	3.90	
IPSA16-4125	16'	4" x .125	7.50	6.16	5.29	3.53	2.19	1.15	---	---	
IPSA16-4188	16'	4" x .188	14.68	12.57	11.19	8.40	6.29	4.64	3.33	2.28	
IPSA20-4188	19.5'	4" x .188	9.70	8.07	7.00	4.85	3.22	1.94	0.93	---	
IPSA20-5188	19.5'	5" x .188	16.80	14.19	12.47	9.01	6.39	4.34	2.72	1.41	
IPSA25-5400 ¹	25'	5" x .400	14.79	12.23	10.55	7.18	4.62	2.62	1.04	---	
IPSA30-6400 ²	30'	6" x .400	14.73	11.79	9.86	5.98	3.03	---	---	---	

¹Pole reinforced to 40" above base, to 400", remaining section is .188"
²Pole reinforced to 40" above base, to 400", remaining section is .250"

Anchor Base and Bolt Detail

Pole Height	Pole Size	Bolt Circle Dia.	Anchor Bolt Projection	Anchor Bolts Size	Base Cover Size	Conduit Opening
12'-16'	4"	11"	3.12"	.75" x 15" + 3"	10.5" sq.	3" dia.
19.5'	4"	11"	3.12"	.75" x 30" + 4"	10.5" sq.	3" dia.
19.5'-25'	5"	11"	3.25"	.75" x 30" + 4"	10.5" sq.	3" dia.
30'	6"	12 1/2"	3.5"	1" x 36" + 4"	12" sq.	5" dia.

Mounting

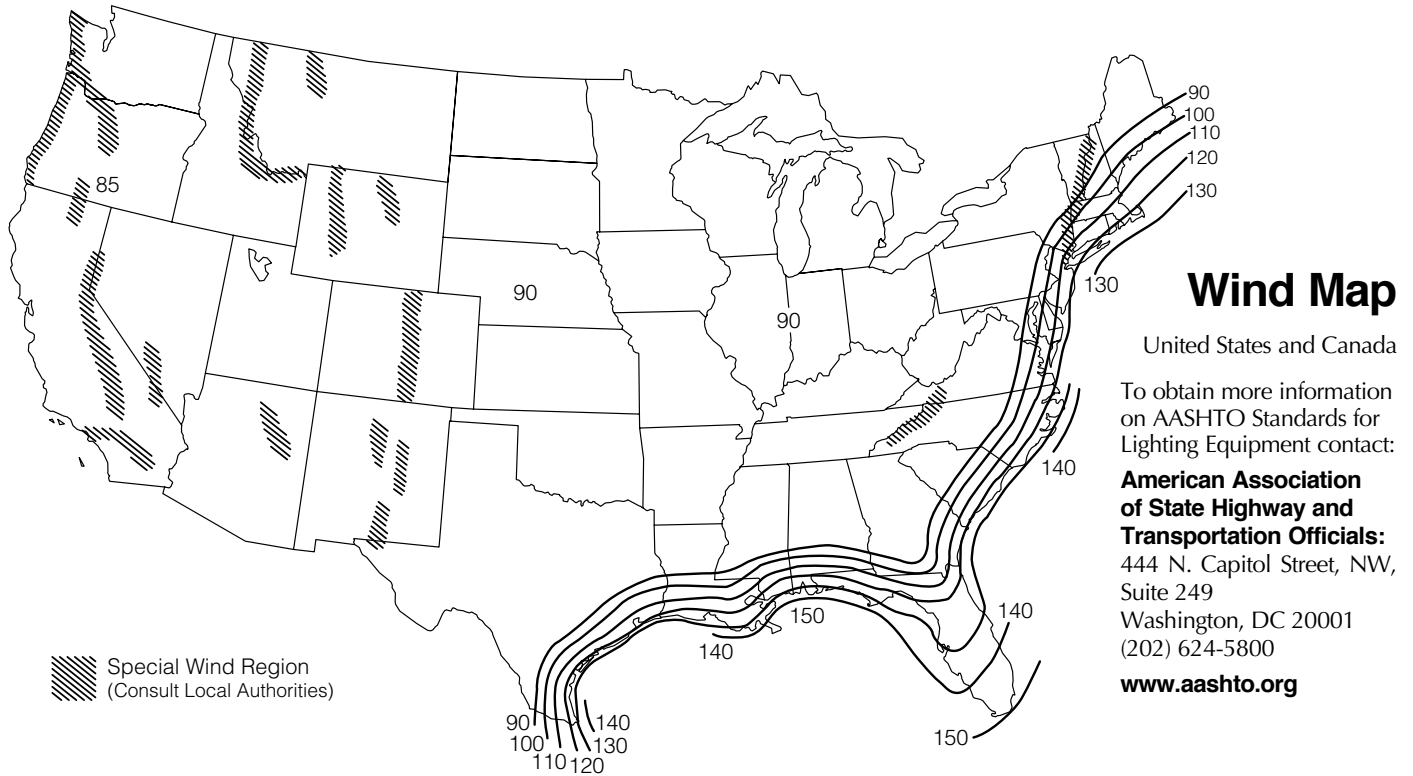
	Flush Mount	Side Arm				
Plan Views:						
Mounting⁴:	IFM	IAISA	IBISB	ILISL	ITIST	ICISC

NOTE: Allowable Pole EPA for jobsite wind conditions must be equal to or greater than fixture mount EPA. Please refer to Kim luminaire catalog for specific fixture.

⁴See luminaire drilling requirements in luminaire catalog.*

Standard and Optional Features

<p>Finish TGIC powder coat paint over a titinated zirconium conversion coating.</p>	<table border="0"> <tr> <td>Cat. No.:</td> <td>Color:</td> <td>Cat. No.:</td> <td>Color:</td> </tr> <tr> <td>BLS</td> <td>Black Gloss Smooth</td> <td>LGT</td> <td>Light Grey Matte Textured</td> </tr> <tr> <td>BLT</td> <td>Black Matte Textured</td> <td>PSS</td> <td>Platinum Silver Gloss Smooth</td> </tr> <tr> <td>DBS</td> <td>Dark Bronze Gloss Smooth</td> <td>VGT</td> <td>Verde Green Matte Textured</td> </tr> <tr> <td>DBT</td> <td>Dark Bronze Matte Textured</td> <td>WHS</td> <td>White Gloss Smooth</td> </tr> <tr> <td>GTT</td> <td>Graphic Matte Textured</td> <td>WHT</td> <td>White Matte Textured</td> </tr> <tr> <td>LGS</td> <td>Light Grey Gloss Smooth</td> <td>CC</td> <td>Custom Color¹</td> </tr> </table> <p>¹Custom color subject to additional charges, minimum quantities and extended lead times. Consult representative. Custom color description: _____</p>	Cat. No.:	Color:	Cat. No.:	Color:	BLS	Black Gloss Smooth	LGT	Light Grey Matte Textured	BLT	Black Matte Textured	PSS	Platinum Silver Gloss Smooth	DBS	Dark Bronze Gloss Smooth	VGT	Verde Green Matte Textured	DBT	Dark Bronze Matte Textured	WHS	White Gloss Smooth	GTT	Graphic Matte Textured	WHT	White Matte Textured	LGS	Light Grey Gloss Smooth	CC	Custom Color ¹
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<p>Optional Duplex Receptacle Cat. No. DR DR-GFI No Option</p>	<p>Mounted opposite the handhole, at 22.5" from base of pole, in a cast aluminum box that is internally welded and sealed with a gasketed self-closing cover and locking bracket.</p> <p>Duplex Receptacle (DR) rated 20A., 125V. Duplex Receptacle with Ground Fault Circuit Interrupter (DR-GFI) rated 20A., 125V.</p>																												



NOTES:

- Values are based on 50 year mean recurrence interval 30' above grade.
- Hawaii has an **105 mph** wind velocity.
- Puerto Rico has a **125 mph** wind velocity.
- Caution must be exercised in determining wind velocities • Caution must be exercised in determining wind velocities in special wind areas such as:
 - Mountainous Regions
 - Areas surrounding the Great Lakes or other large bodies of water or open land.
 - Areas subject to extreme wind conditions, such as hurricanes, typhoons, cyclones, and tornadoes.
 - Areas adjacent to airports.
 - Any specific area with a known or suspected abnormally high intermittent wind condition caused by geography, adjacent structures, or other specific local conditions that may not be recorded in National Weather Service records.
- Allowable pole EPA for jobsite wind conditions must be equal to or greater than fixture EPA. Responsibility lies with the specifier for correct pole selection based on AASHTO wind map and job location.
- The Wind Map is intended only as a general guide. Always consult local authorities to determine maximum wind velocities, gusting and unique wind conditions for each specific application.
- **CAUTION:** Wind speeds and listed EPAs are for ground mounted installations. Poles mounted on structures (such as bridges and buildings) must consider vibration and coefficient of height factors beyond this general guide. Consult AASHTO standards.
- Extreme Wind Events: Hurricanes, Typhoons, Cyclones, or Tornadoes expose poles to flying debris, wind shear, and other unpredictable aerodynamic forces not indicated by the wind velocity ratings.
- Pole Strength Limited Warranty: Standard, unmodified Kim lighting Poles installed as recommended, undamaged by corrosion, or lack of maintenance, shall withstand steady wind conditions as provided on page 2 (Allowable Pole EPA). Installation of poles without luminaires, or attachment of any unauthorized accessories to poles shall void this warranty.