

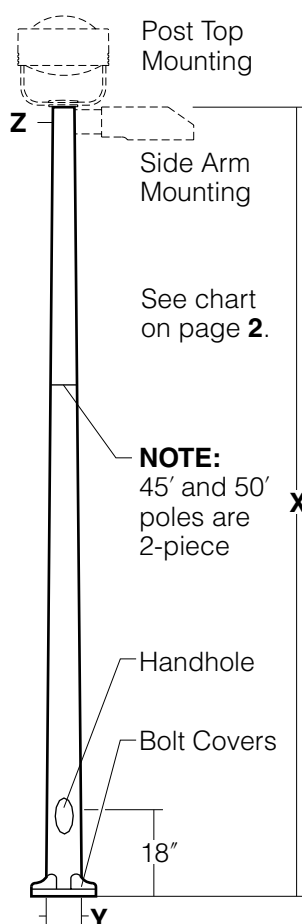
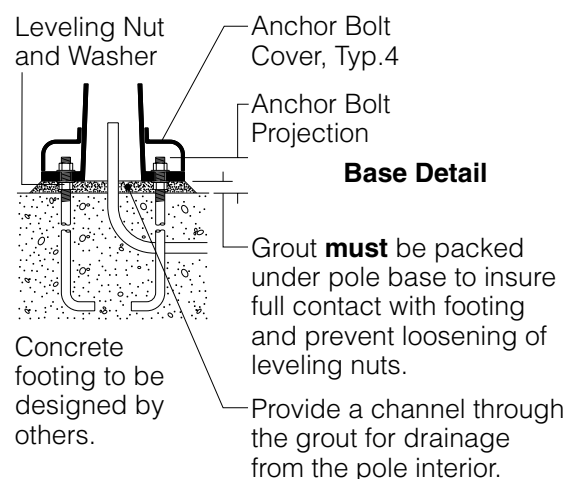
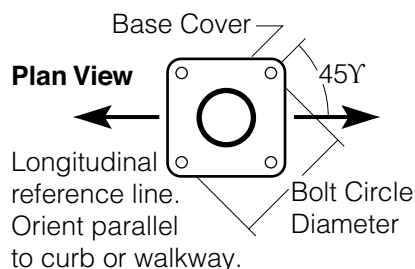
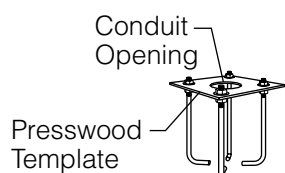
Type:
Job:
Catalog number:

Approvals:

Pole	/	/	/
Mounting		Structural Luminaire Option	Finish
See page 2	See page 3		

Date:
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Specifications



Pole Construction: One-piece tapered round shaft of high tensile carbon steel (55,000 PSI min. yield) with one vertical welded seam, ground flush to the shaft. Poles above 39' include an overlapping tapered slip-fit field joint (at 25 1/2" for PTRS45-10120 and PTRS50-10120, and at 39' for PTRS50-11188), with both sections taper spun. Shaft is welded to a flat steel anchor base.

Bolt Covers: Cast aluminum anchor bolt covers with stainless steel hold down screws included.

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

Handhole: 4" x 6 1/2" reinforced oval handhole with a gasketed cover and grounding nut provided, 18" up from base.

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

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 eventual pole collapse and serious personal injury.

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

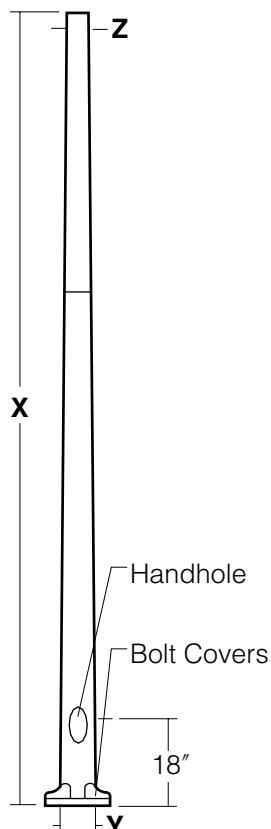
Type:

Job:

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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 #	Allowable Pole EPA										Wind Map	
Pole Catalog Number	X	Y	Z									Steady Wind
				85	90	100	110	120	130	140	150	
<input type="checkbox"/> PTRS20-61120	20'	6.1 x 11 ga.	3.3	29.50	26.21	24.25	19.91	16.62	14.07	11.89	10.14	
<input type="checkbox"/> PTRS20-65120	20'	6.5 x 11 ga.	3.7	34.07	30.29	28.01	23.01	19.23	16.11	13.64	11.64	
<input type="checkbox"/> PTRS25-68120	25'	6.8 x 11 ga.	3.3	27.59	24.49	22.69	18.60	15.47	12.86	10.79	9.12	
<input type="checkbox"/> PTRS25-7120	25'	6.8 x 11 ga.	3.3	28.47	25.24	23.43	19.16	15.93	13.44	11.47	9.77	
<input type="checkbox"/> PTRS30-75120	30'	7.5 x 11 ga.	3.3	25.50	22.57	20.99	17.13	14.21	11.95	10.02	8.38	
<input type="checkbox"/> PTRS30-81120	30'	8.1 x 11 ga.	3.9	30.65	27.16	25.22	20.62	17.14	14.27	11.89	9.97	
<input type="checkbox"/> PTRS35-85120	35'	8.5 x 11 ga.	3.6	27.28	24.14	22.46	18.32	15.11	12.37	10.19	8.44	
<input type="checkbox"/> PTRS39-9120	39'	9.0 x 11 ga.	3.5	26.45	23.39	21.78	17.74	14.33	11.63	9.48	7.75	
<input type="checkbox"/> PTRS45-10120	45'	10.0 x 11 ga.	3.9	27.15	23.98	22.36	17.61	13.99	11.17	8.93	7.13	
<input type="checkbox"/> PTRS50-10120	50'	10.0 x 11 ga.	3.2	17.18	15.08	11.84	8.87	6.60	4.83	3.43	2.30	
<input type="checkbox"/> PTRS50-11188	50'	11.0 x 7 ga.	4.2	35.90	31.78	24.65	19.30	15.24	12.07	9.56	7.54	

45' and 50' poles are 2-piece assemblies.

Anchor Base and Bolt Detail









Pole Height	Pole Diameter	Bolt Circle Dia.	Anchor Bolt Projection	Anchor Bolts Size	Base Size	Conduit Opening
20'	6"	9 1/2"	3 3/8"	3/4" x 30" + 4"	9 1/2" sq.	5" dia.
20'	6 1/2"	9 1/2"	3 7/8"	1" x 36" + 4"	10" sq.	5" dia.
25'	7"	10"	3 7/8"	1" x 30" + 4"	10 1/2" sq.	5" dia.
30'	7 1/2"	10 1/2"	3 7/8"	1" x 36" + 4"	11" sq.	6" dia.
35'	8"	11"	3 7/8"	1" x 36" + 4"	11 1/2" sq.	7" dia.
35'	8 1/2"	11 1/2"	3 7/8"	1" x 36" + 4"	12" sq.	7" dia.
39'	9"	12 1/2"	3 7/8"	1" x 36" + 4"	12 3/4" sq.	7" dia.
45'-50'	10"	13 1/2"	3 7/8"	1" x 36" + 4"	14" sq.	6" dia.
50'	11"	15"	4 1/4"	1 1/4" x 42" + 6"	15" sq.	7" dia.

Type:

Job:

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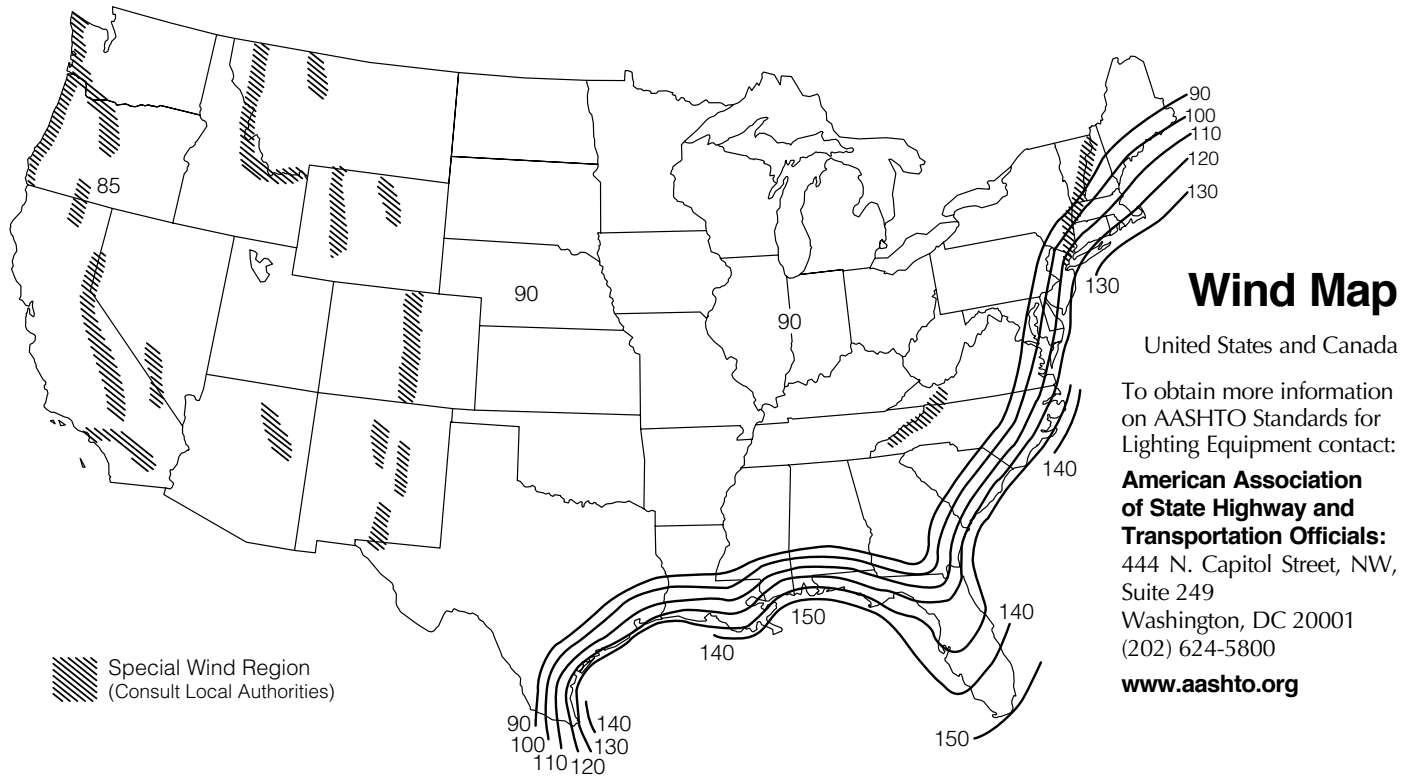
Standard Features

Mounting	<div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> Flush Mount  Plan Views: </div> <div style="text-align: center;"> Post Top  Plan Views: </div> <div style="text-align: center;"> Side Arm  Plan Views: </div> <div style="text-align: center;">  Plan Views: </div> <div style="text-align: center;">  Plan Views: </div> <div style="text-align: center;">  Plan Views: </div> <div style="text-align: center;">  Plan Views: </div> <div style="text-align: center;">  Plan Views: </div> </div> <p>Mounting¹: <input type="checkbox"/> FM <input type="checkbox"/> PT <input type="checkbox"/> A <input type="checkbox"/> SA <input type="checkbox"/> B <input type="checkbox"/> SB <input type="checkbox"/> L <input type="checkbox"/> SL <input type="checkbox"/> T <input type="checkbox"/> ST <input type="checkbox"/> Y <input type="checkbox"/> SY <input type="checkbox"/> C <input type="checkbox"/> SC</p> <p>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.</p> <p>¹See luminaire drilling requirements in specific Kim luminaire catalog.</p> <p>Structural Luminaires <i>Only</i> - Examples</p> <p><input type="checkbox"/> TS:Single Tension for small and large Structural - PTRS25-7120B-TS</p> <p><input type="checkbox"/> TD:Double Tension for small and large Structural - PTRS25-7120B-TD</p> <p><input type="checkbox"/> TR:Truss for small and large Structural - PTRS25-7120B-TR</p> <p><input type="checkbox"/> XTS:Single Tension for 1000W Structural - PTRS25-7120B-XTS</p> <p><input type="checkbox"/> XTD:Double Tension for 1000W Structural - PTRS25-7120B-XTD</p> <p><input type="checkbox"/> XTR:Truss for 1000W Structural - PTRS25-7120B-XTR</p>
Finish Super TGIC powder coat paint over an iron phosphate bath, chromate sealed metal pretreatment.	<div style="display: flex;"> <div style="flex: 1;"> <p>Cat. No.: Color:</p> <p><input type="checkbox"/> BLS Black Gloss Smooth</p> <p><input type="checkbox"/> BLT Black Matte Textured</p> <p><input type="checkbox"/> DBS Dark Bronze Gloss Smooth</p> <p><input type="checkbox"/> DBT Dark Bronze Matte Textured</p> <p><input type="checkbox"/> GTT Graphic Matte Textured</p> <p><input type="checkbox"/> LGS Light Grey Gloss Smooth</p> </div> <div style="flex: 1;"> <p>Cat. No.: Color:</p> <p><input type="checkbox"/> LGT Light Grey Matte Textured</p> <p><input type="checkbox"/> PSS Platinum Silver Gloss Smooth</p> <p><input type="checkbox"/> VGT Verde Green Matte Textured</p> <p><input type="checkbox"/> WHS White Gloss Smooth</p> <p><input type="checkbox"/> WHT White Matte Textured</p> <p><input type="checkbox"/> CC Custom Color¹</p> </div> </div> <p>¹Custom color subject to additional charges, minimum quantities and extended lead times. Consult representative. Custom color description: _____</p>

Type:

Job:

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**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 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.