

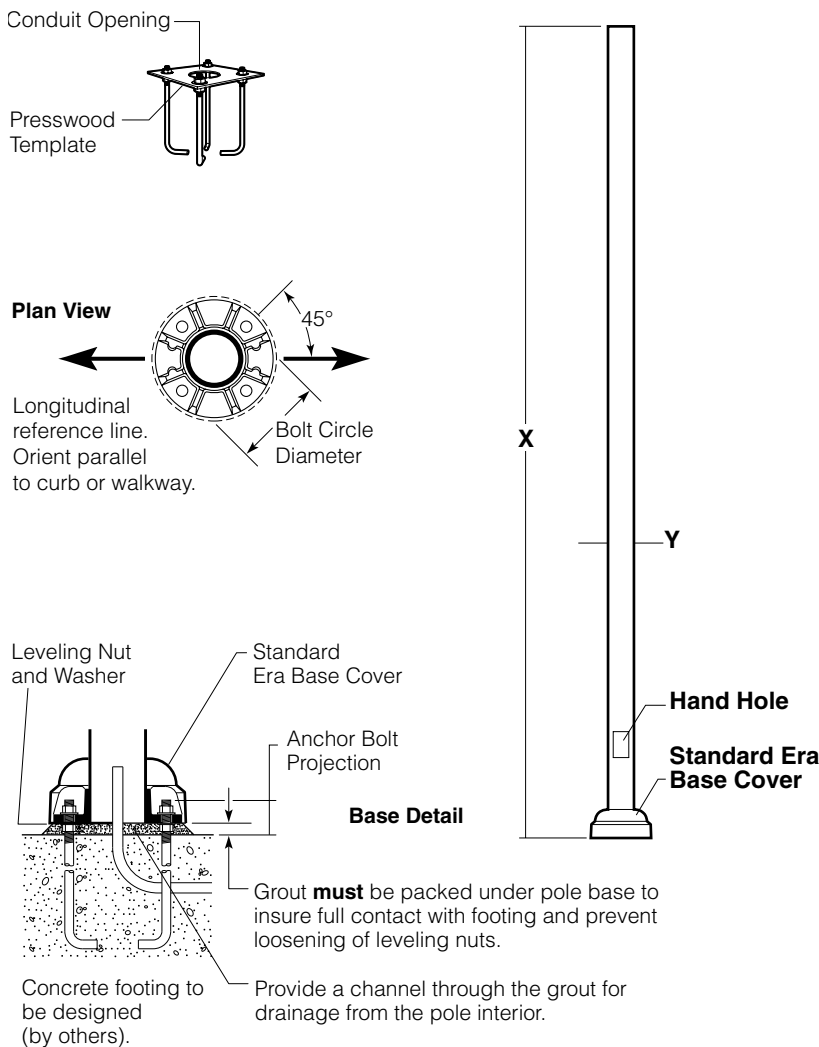
Type:
Job:
Catalog number:

Approvals:

Pole Cat. No.	Mounting	Arm Drilling Option	Pole Finish	Optional Base Cover	Optional Pole Top Cap/Finial	Optional Duplex Receptical
_____	_____	_____	_____	_____	_____	_____
See page 2		See page 3		See page 4		

Date:
Page: 1 of 5

Specifications



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

Base Cover: Two-piece, cast aluminum full cover, secured by stainless set screws. The standard base cover is the Era Base Cover. Two optional base cover styles available. (See page 4)

- 1) **HBC1** - Decorative smooth sided cast aluminum base cover.
- 2) **HBC2** - Traditional fluted side cast aluminum base cover.

Pole Cap: Flat cast aluminum provided for all side-mounted luminaires. Optional traditional style finial available. (See page 4)

- 1) **HF1** - Dome style cast aluminum cap.
- 2) **HF2** - Traditional style cast aluminum finial.

Handhole: 18" above the base cover, 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.

Vibration Dampener: All poles 25' and above include an internally mounted, factory installed pendulum vibration dampener, with flush stainless steel socket head fasteners finished to match pole.

Strength: Poles designed to withstand wind loads as listed in chart (See page 5) when luminaires are mounted per fixture installation instructions. Refer to specific Era® Collection mounting arm for specific luminaire and arm EPA.

Finish: Super TGIC thermoset polyester powder coat paint applied over a titanated zirconium conversion coating. Standard colors are Black, Dark Bronze, Light Gray, Graphite, Platinum Silver, Titanium and White. Custom colors are available.

CAUTION: Do not install poles without luminaires or strength guarantee is voided. Any unauthorized accessories secured to pole shall void strength guarantee.

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.



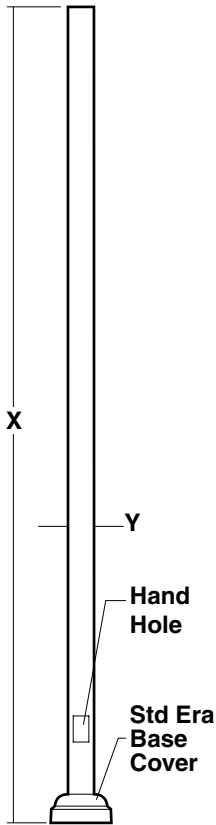
Type:

Job:

Page: 2 of 5

Standard Features

NOTE: All allowable pole and fixture EPAs (Effective Projected Area, which is Fixture Area x Drag Factor) are derived from the AASHTO standard (American Association of State Highway and Transportation Officials). Responsibility lies with the specifier for correct pole selection based on local codes and standards for the job location (See page 5).



Pole Catalog Number	X	Y	Allowable Pole EPA							Wind Map Steady Wind	
			85	90	100	110	120	130	140	150	
<input type="checkbox"/> HAS10-4188	10'	4" x .188	16.55	14.56	13.26	10.64	8.65	7.17	6.10	5.25	
<input type="checkbox"/> HAS12-4188	12'	4" x .188	13.12	11.46	10.38	8.19	6.53	5.33	4.50	3.84	
<input type="checkbox"/> HAS14-4188	14'	4" x .188	10.56	9.14	8.21	6.34	4.92	3.91	3.26	2.74	
<input type="checkbox"/> HAS16-4188	16'	4" x .188	8.56	7.31	6.50	4.86	3.62	2.76	2.25	1.85	
<input type="checkbox"/> HAS10-5188	10'	5" x .188	27.26	24.07	21.97	18.01	15.02	12.71	10.88	9.42	
<input type="checkbox"/> HAS12-5188	12'	5" x .188	21.18	19.22	17.47	14.26	11.85	9.99	8.52	7.35	
<input type="checkbox"/> HAS14-5188	14'	5" x .188	17.90	15.62	14.12	11.46	9.48	7.95	6.75	5.79	
<input type="checkbox"/> HAS16-5188	16'	5" x .188	14.80	12.81	11.50	9.26	7.61	6.34	5.34	4.55	
<input type="checkbox"/> HAS20-5188	19.5'	5" x .188	9.83	8.29	7.28	5.73	4.60	3.75	3.09	2.56	
<input type="checkbox"/> HAS10-6188	10'	6" x .188	40.66	36.17	33.42	27.49	23.00	19.51	16.75	14.53	
<input type="checkbox"/> HAS12-6188	12'	6" x .188	32.89	29.22	27.04	22.20	18.53	15.69	13.44	11.64	
<input type="checkbox"/> HAS14-6188	14'	6" x .188	27.19	24.11	22.37	18.31	15.24	12.87	11.00	9.49	
<input type="checkbox"/> HAS16-6188	16'	6" x .188	22.77	20.16	18.75	15.29	12.69	10.68	9.09	7.82	
<input type="checkbox"/> HAS20-6188	19.5'	6" x .188	15.69	13.81	12.95	10.46	8.59	7.16	6.03	5.14	
<input type="checkbox"/> HAS25-6188	25'	6" x .188	9.74	8.46	8.07	6.38	5.12	4.17	3.43	2.85	
<input type="checkbox"/> HAS25-6250	25'	6" x .250	16.92	14.86	13.96	11.25	9.22	7.66	6.44	5.47	
<input type="checkbox"/> HAS30-6188	30'	6" x .188	5.61	4.74	4.69	3.54	2.71	2.08	1.60	1.23	
<input type="checkbox"/> HAS30-6250	30'	6" x .250	11.37	9.88	9.42	7.45	5.99	4.88	4.02	3.34	
<input type="checkbox"/> HAS30-6400'	30'	6" x .400	20.33	17.87	16.78	13.53	11.10	9.23	7.77	6.61	

*Pole reinforced, to 40" above base, to .400", remaining section is .250"

Anchor Base and Bolt Detail

Pole Height	Pole Diameter	Bolt Circle DIA	Anchor Bolt Projection	Anchor Bolts Size	Base Cover Size	Conduit Opening
10'-16'	4"	8½"	3¼"	¾" x 15" + 3"	11.7/8" DIA	3" DIA
10'-14'	5"	8½"	3¼"	¾" x 15" + 3"	11.7/8" DIA	3" DIA
16'-20'	5"	8½"	3¼"	¾" x 30" + 4"	11.7/8" DIA	3" DIA
10'-30'	6"	10½"	3¾"	¾" x 30" + 4"	14" DIA	5" DIA

Mounting

Flush Mount **Side Arm**
Plan Views: ● ●— ●—● ●—●—● ●—●—●—● ●—●—●—●—● ●—●—●—●—●—●
Mounting: FM A SA B SB L SL T ST Y SY C SC
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.

Available Arm Drilling

Please see pole drilling requirements in specific Kim luminaire catalog.

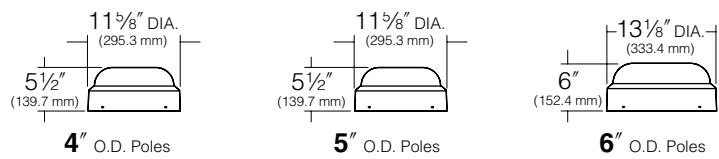
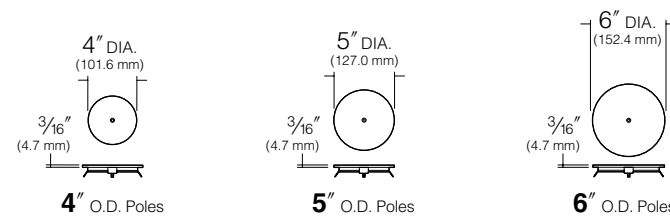
HA02S HA02L HA14S HA14L HA34S HA34L HA38S HA38L
 HA11S HA11L HA31S HA31L HA35S HA35L NO OPTION
 HA12S HA12L HA32S HA32L HA36S HA36L
 HA13S HA13L HA33S HA33L HS37S HA37L

Type:

Job:

Page: 3 of 5

Standard Features

<p>Finish Super TGIC powder coat paint over a titanated zirconium conversion coating.</p>	<p>Color: Black Dark Bronze Light Gray Graphite Platinum Silver Titanium White Custom Color¹</p> <p>Cat. No.: <input type="checkbox"/> BL <input type="checkbox"/> DB <input type="checkbox"/> LG <input type="checkbox"/> GT <input type="checkbox"/> PS <input type="checkbox"/> TT <input type="checkbox"/> WH <input type="checkbox"/> CC¹</p> <p>¹Custom color subject to additional charges, minimum quantities and extended lead times. Consult representative. Custom color description: _____</p>
<p>Standard Era® Base Cover</p>	<p>The standard Era Base Cover is a heavy and durable cast aluminum component, configured in two halves for easy attachment after the pole is raised and set onto the anchor bolts.</p> <div style="text-align: center; margin-top: 20px;">  </div>
<p>Standard Flat Pole Cap</p>	<p>The standard Flat Pole Cap is cast aluminum, secured by a single top screw activating an internal expansion clip.</p> <div style="text-align: center; margin-top: 20px;">  </div>

Type:

Job:

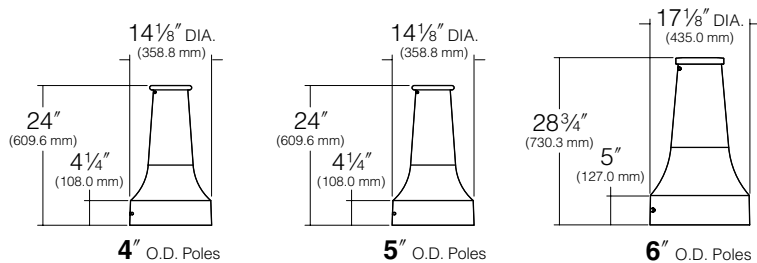
Page: 4 of 5

Optional Features

Optional Decorative Base Cover

Cat. No. HBC1

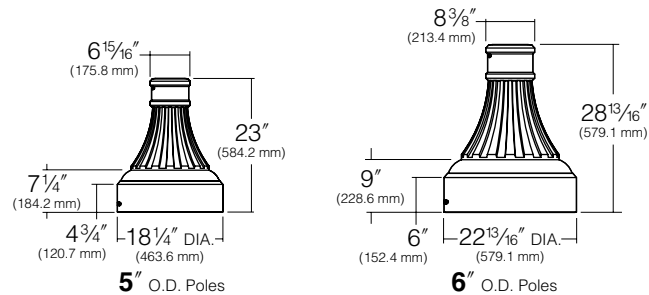
The Decorative Base Cover is constructed of heavy and durable cast aluminum, the base is supplied in two halves for easy attachment after the pole is raised and set onto the anchor bolts.



Optional Traditional Base Cover

Cat. No. HBC2
 No Option

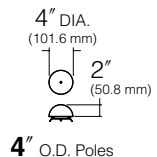
The Traditional Base Cover is constructed of heavy and durable cast aluminum, supplied in two halves for easy attachment after the pole is raised and set onto the anchor bolts.



Optional Dome Pole Top Cap

Cat. No. HF1

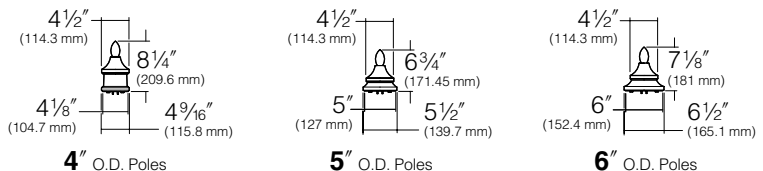
Dome Pole Top Cap is cast aluminum, finished to match the pole, and available for 4" diameter pole tops.



Optional Traditional Pole Top Finial

Cat. No. HF2
 No Option

Each finial is cast aluminum, and available for 4", 5", and 6" diameter pole tops.



Optional Duplex Receptacle

Cat. No. DR
 DR-GFI
 No Option

Mounted opposite the handhole, at 22 1/2" above the base cover, in a cast aluminum box that is internally welded and sealed with a gasketed self-closing cover and locking bracket.

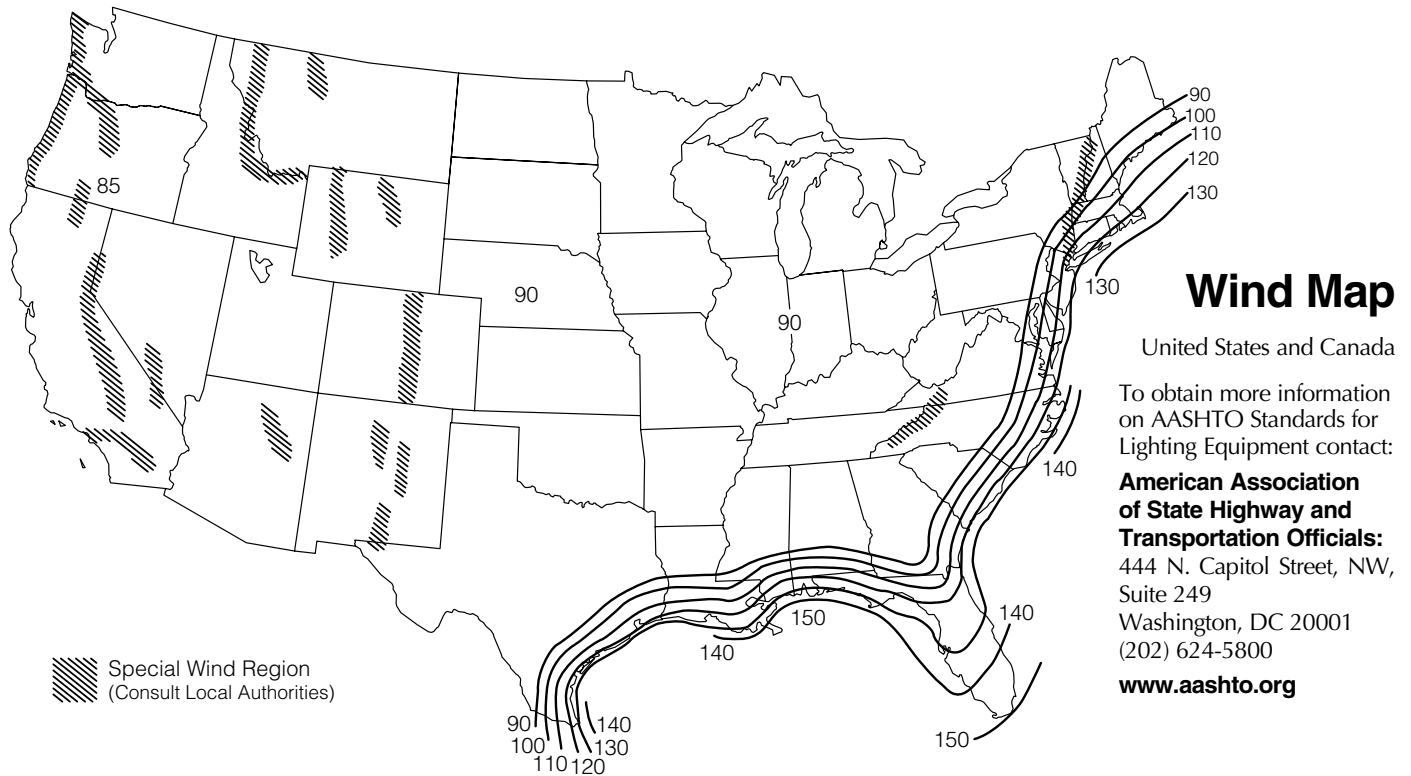
Duplex Receptacle (DR) rated 20A., 125V.

Duplex Receptacle with Ground Fault Circuit Interrupter (DR-GFI) rated 20A., 125V.

Type:

Job:

Page: 5 of 5



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.