

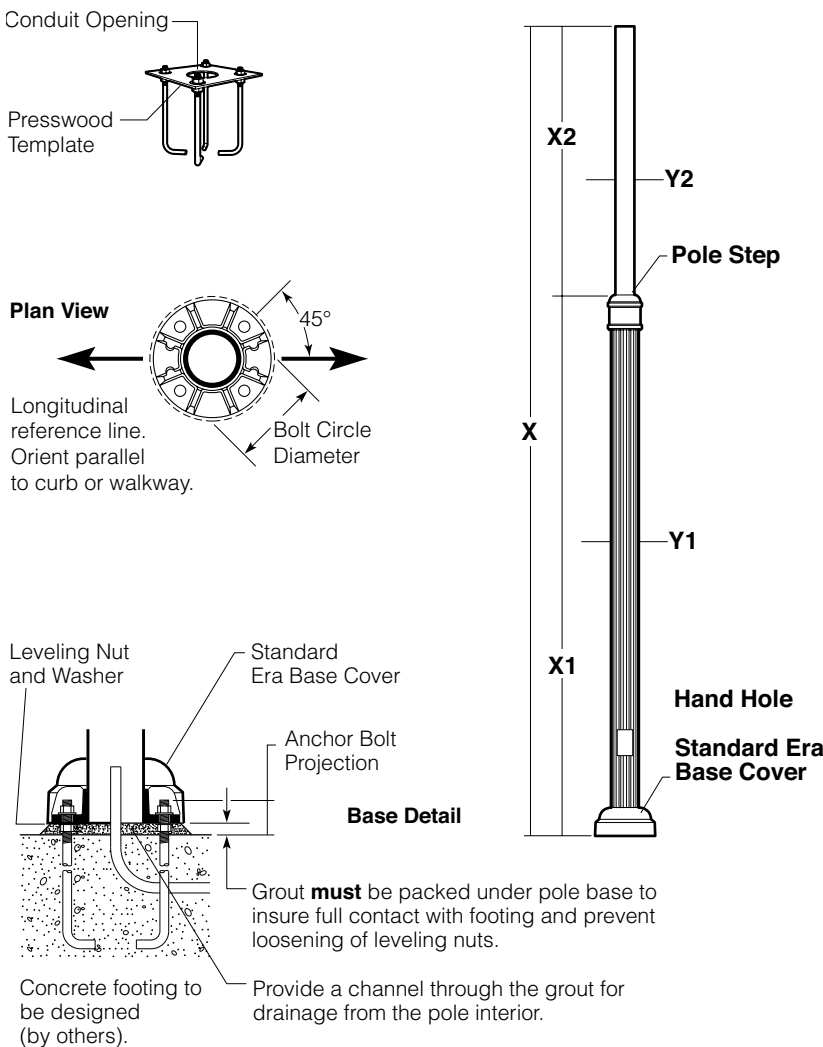
Type:
Job:
Catalog number:

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 6063-T5, 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.

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

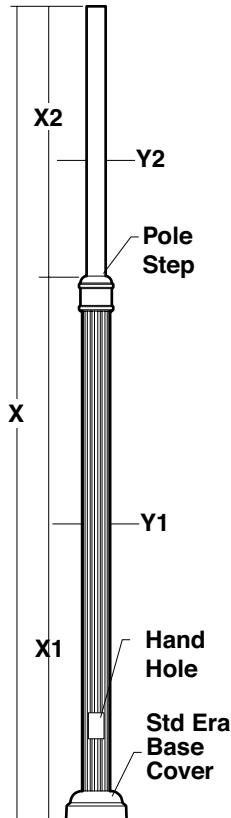
Maintenance: A regularly scheduled maintenance program must be established to insure the protective paint coating is intact, corrosion or structural damage has not occurred, and anchor bolt nuts are tight. Failure to do so could lead to pole collapse and serious personal injury.

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

Type:
Job:

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 v Pole Catalog Number	Allowable Pole EPA						Wind Map Steady Wind						
	X	X1	X2	Y1	Y2	85	90	100	110	120	130	140	150
<input type="checkbox"/> HSAF10-534188	10'	6.5'	3.5'	5"	x.1883.375"	41.46	36.78	33.70	27.64	23.03	19.46	16.62	14.34
<input type="checkbox"/> HSAF12-534188	12'	8'	4'	5"	x.1883.375"	33.85	29.95	27.38	22.37	18.58	15.63	13.29	11.42
<input type="checkbox"/> HSAF14-534188	14'	9.3'	4.7'	5"	x.1883.375"	28.32	24.97	22.78	18.52	15.30	12.81	10.83	9.24
<input type="checkbox"/> HSAF16-534188	16'	10.5'	5.5'	5"	x.1883.375"	24.09	21.16	19.24	15.55	12.77	10.61	8.90	7.54
<input type="checkbox"/> HSAF20-534188	19.5'	13'	6.4'	5"	x.1883.375"	17.48	15.22	13.74	10.96	8.88	7.26	5.99	4.97
<input type="checkbox"/> HSAF14-64188	14'	9.3'	4.7'	6"	x.188 4"	39.42	34.97	32.15	26.24	21.76	18.33	15.70	13.59
<input type="checkbox"/> HSAF16-64188	16'	10.5'	5.5'	6"	x.188 4"	33.67	29.81	27.39	22.26	18.37	15.41	13.17	11.36
<input type="checkbox"/> HSAF20-64188	19.5'	13'	6.5'	6"	x.188 4"	24.66	21.75	19.97	16.08	13.14	10.93	9.28	7.97
<input type="checkbox"/> HSAF25-64188	25'	16.7'	8.3'	6"	x.188 4"	16.82	14.65	13.42	10.56	8.39	6.81	5.70	4.81
<input type="checkbox"/> HSAF25-64400	25'	16.7'	8.3'	6"	x.400 4"	20.81	18.17	16.62	13.14	10.50	8.57	7.20	6.11
<input type="checkbox"/> HSAF30-64188	30'	20'	10'	6"	x.188 4"	11.68	10.01	9.15	6.94	5.28	4.11	3.34	2.73
<input type="checkbox"/> HSAF30-64400	30'	20'	10'	6"	x.400 4"	17.80	15.43	14.09	10.97	8.60	6.90	5.74	4.81

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

Anchor Base and Bolt Detail

Pole Height	Pole Diameter	Bolt Circle DIA	Anchor Bolt Projection	Anchor Bolts Size	Base Cover Size	Conduit Opening
10'-14'	5"	8 1/2"	3 1/4"	3/4" x 15" + 3"	11 7/8" DIA	3" DIA
16'-20'	5"	8 1/2"	3 1/4"	3/4" x 30" + 4"	11 7/8" DIA	3" DIA
14'	6"	10 1/2"	3 3/8"	3/4" x 15" + 3"	14" DIA	5" DIA
16'-30'	6"	10 1/2"	3 3/8"	3/4" 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 wind 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

²HA01S mounts to pole top O.D. of 3 3/8" ²HA03S mounts to pole top O.D. of 3 3/8"

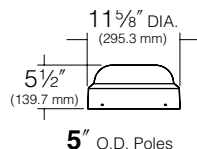
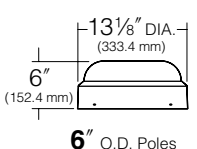
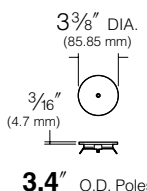
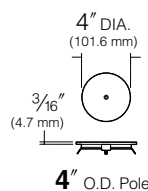
²HA01L mounts to pole top O.D. of 4" ²HA03L mounts to pole top O.D. of 4"

²Pole will be shipped with internal pole adaptor installed.

Type:

Job:

Standard Features

<p>Finish TGIC powder coat paint over a titanated zirconium conversion coating.</p>	<p>Cat. No.: Color:</p> <table border="0"> <tr> <td><input type="checkbox"/> BLS Black Gloss Smooth</td> <td><input type="checkbox"/> LGT Light Grey Matte Textured</td> </tr> <tr> <td><input type="checkbox"/> BLT Black Matte Textured</td> <td><input type="checkbox"/> PSS Platinum Silver Gloss Smooth</td> </tr> <tr> <td><input type="checkbox"/> DBS Dark Bronze Gloss Smooth</td> <td><input type="checkbox"/> VGT Verde Green Matte Textured</td> </tr> <tr> <td><input type="checkbox"/> DBT Dark Bronze Matte Textured</td> <td><input type="checkbox"/> WHS White Gloss Smooth</td> </tr> <tr> <td><input type="checkbox"/> GTT Graphic Matte Textured</td> <td><input type="checkbox"/> WHT White Matte Textured</td> </tr> <tr> <td><input type="checkbox"/> LGS Light Grey Gloss Smooth</td> <td><input type="checkbox"/> CC Custom Color¹</td> </tr> </table> <p>¹Custom color subject to additional charges, minimum quantities and extended lead times. Consult representative. Custom color description: _____</p>	<input type="checkbox"/> BLS Black Gloss Smooth	<input type="checkbox"/> LGT Light Grey Matte Textured	<input type="checkbox"/> BLT Black Matte Textured	<input type="checkbox"/> PSS Platinum Silver Gloss Smooth	<input type="checkbox"/> DBS Dark Bronze Gloss Smooth	<input type="checkbox"/> VGT Verde Green Matte Textured	<input type="checkbox"/> DBT Dark Bronze Matte Textured	<input type="checkbox"/> WHS White Gloss Smooth	<input type="checkbox"/> GTT Graphic Matte Textured	<input type="checkbox"/> WHT White Matte Textured	<input type="checkbox"/> LGS Light Grey Gloss Smooth	<input type="checkbox"/> CC Custom Color ¹
<input type="checkbox"/> BLS Black Gloss Smooth	<input type="checkbox"/> LGT Light Grey Matte Textured												
<input type="checkbox"/> BLT Black Matte Textured	<input type="checkbox"/> PSS Platinum Silver Gloss Smooth												
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<input type="checkbox"/> LGS Light Grey Gloss Smooth	<input type="checkbox"/> CC Custom Color ¹												
<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="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>5" O.D. Poles</p> </div> <div style="text-align: center;">  <p>6" O.D. Poles</p> </div> </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="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>3.4" O.D. Poles</p> </div> <div style="text-align: center;">  <p>4" O.D. Poles</p> </div> </div>												

Type:

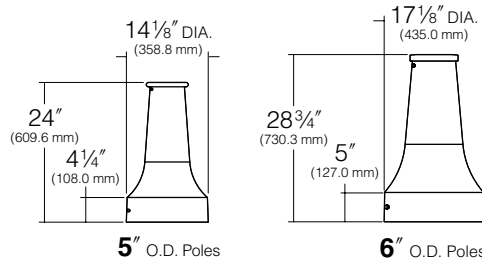
Job:

Optional Features

Optional Decorative Base Cover

- Cat. No. HBC1
 No Option

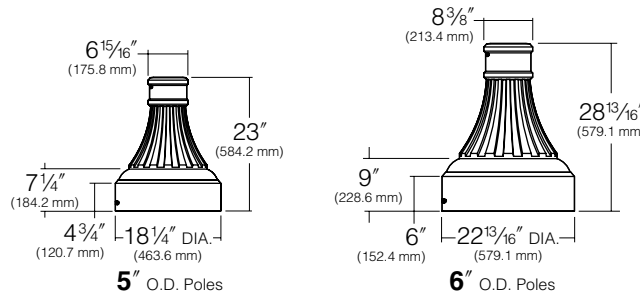
The Decorative Base Cover is constructed of heavy and durable cast aluminum, the base is supplied in two halves for easy attachment after the pole is raised and set onto the anchor bolts.



Optional Traditional Base Cover

- Cat. No. HBC2
 No Option

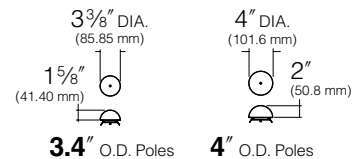
The Traditional Base Cover is constructed of heavy and durable cast aluminum, supplied in two halves for easy attachment after the pole is raised and set onto the anchor bolts.



Optional Dome Pole Top Cap

- Cat. No. HF1
 No Option

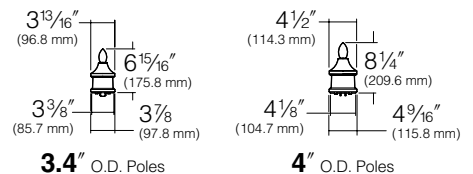
Dome Pole Top Cap is cast aluminum, finished to match the pole, and available for 3.4" and 4" diameter pole tops.:



Optional Traditional Pole Top Finial

- Cat. No. HF2
 No Option

Each finial is cast aluminum, and available for 3.4" and 4" diameter pole tops.



Optional Duplex Receptacle

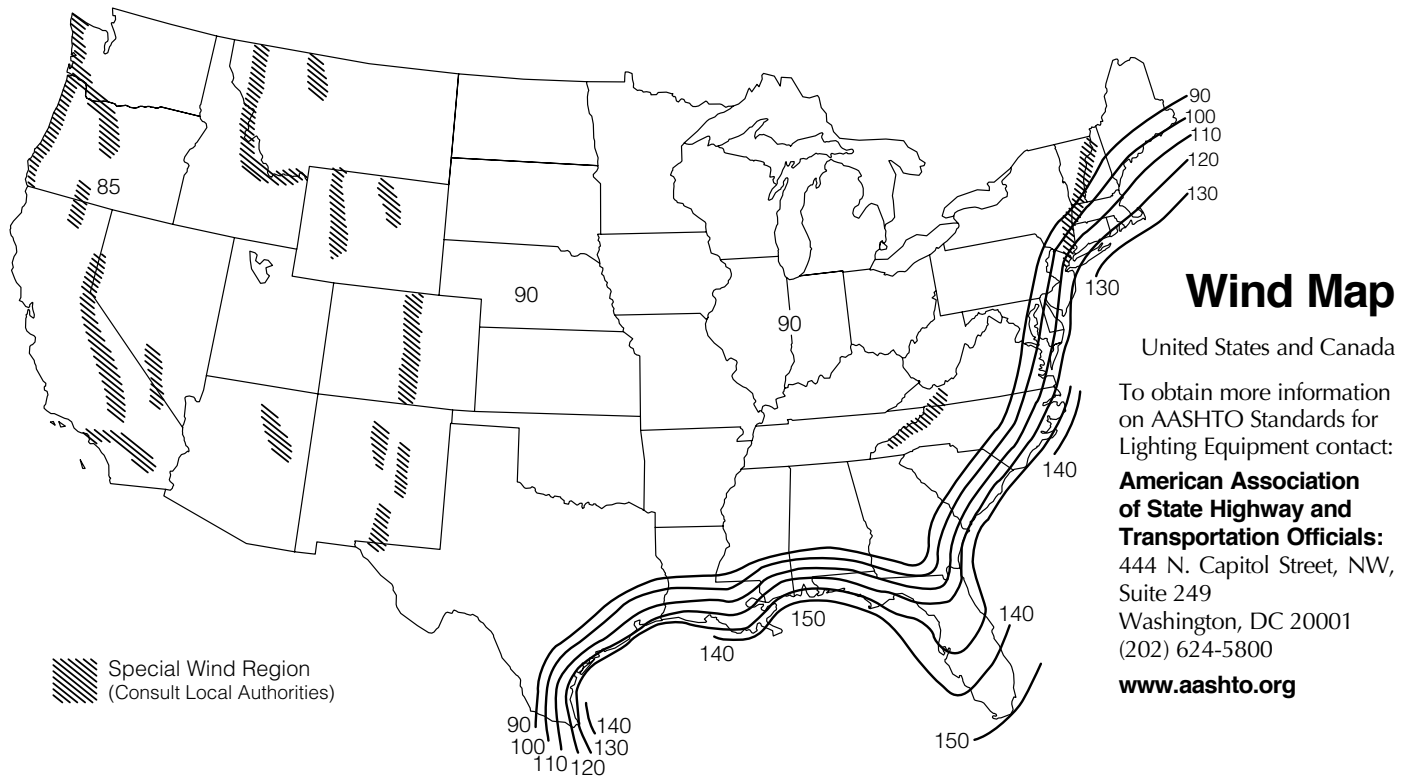
- Cat. No. DR
 DR-GFI
 No Option

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:



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.

Ref: AASHTO 2001