

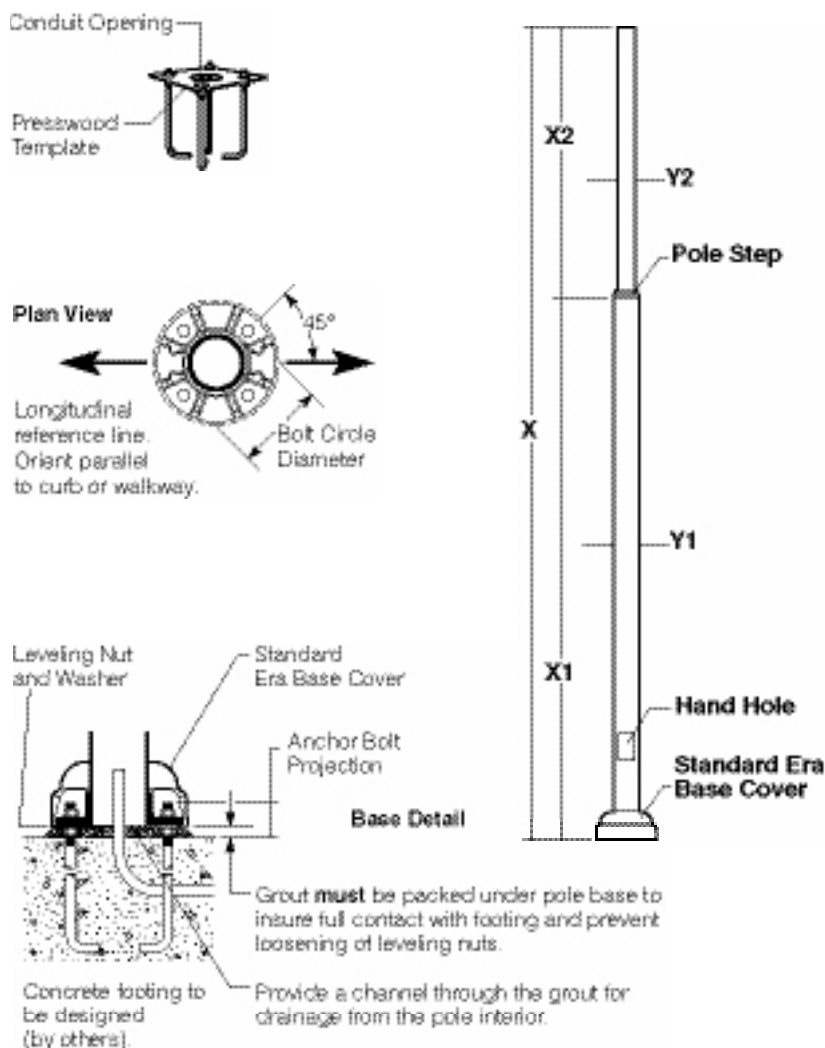
Type:
Job:
Catalog number:

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.

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

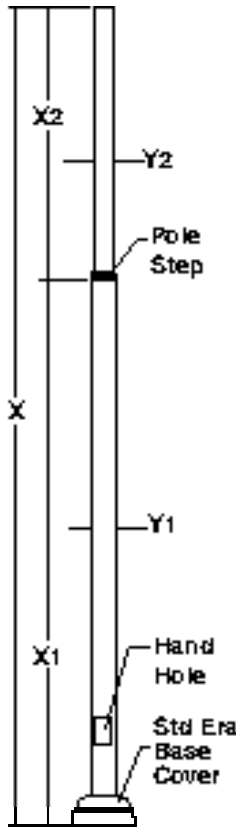
Maintenance: A regularly scheduled maintenance program must be established to insure the protective paint coating is intact, corrosion or structural damage has not occurred, and anchor bolt nuts are tight. Failure to do so could lead to pole collapse and serious personal injury.

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 Catalog Number	Pole						Allowable Pole EPA						Wind Map Steady Wind	
	X	X1	X2	Y1	Y2	85	90	100	110	120	130	140	150	
<input type="checkbox"/> HSAS10-534188	10'	6.5'	3.5'	5" x.188	3.375"	29.54	26.14	23.92	19.55	16.24	13.67	11.63	9.99	
<input type="checkbox"/> HSAS12-534188	12'	8'	4'	5" x.188	3.375"	23.91	21.09	19.23	15.63	12.91	10.80	9.13	7.79	
<input type="checkbox"/> HSAS14-534188	14'	9.3'	4.7'	5" x.188	3.375"	19.80	17.38	15.79	12.74	10.45	8.67	7.26	6.14	
<input type="checkbox"/> HSAS16-534188	16'	10.5'	5.5'	5" x.188	3.375"	16.64	14.52	13.12	10.50	8.52	6.99	5.78	4.80	
<input type="checkbox"/> HSAS20-534188	19.5'	13'	6.4'	5" x.188	3.375"	11.73	10.09	9.02	7.06	5.60	4.47	3.58	2.87	
<input type="checkbox"/> HSAS14-64188	14'	9.3'	4.7'	6" x.188	4"	29.78	26.23	23.89	19.70	16.26	13.59	11.48	10.00	
<input type="checkbox"/> HSAS16-64188	16'	10.5'	5.5'	6" x.188	4"	25.24	22.12	20.08	16.54	13.56	11.25	9.42	8.29	
<input type="checkbox"/> HSAS20-64188	19.5'	13'	6.4'	6" x.188	4"	18.15	15.94	14.63	11.67	9.43	7.77	6.56	5.59	
<input type="checkbox"/> HSAS25-64188	25'	16.7'	8.3'	6" x.188	4"	11.85	10.21	9.34	7.19	5.56	4.40	3.62	3.00	
<input type="checkbox"/> HSAS25-64250	25'	16.7'	8.3'	6" x.250	4"	16.75	14.58	13.36	10.51	8.35	6.78	5.67	4.79	
<input type="checkbox"/> HSAS30-64250	30'	20'	10'	6" x.250	4"	11.63	9.96	9.10	6.90	5.25	4.08	3.31	2.71	
<input type="checkbox"/> HSAS30-64400 ¹	30'	20'	10'	6" x.400	4"	17.73	15.37	14.03	10.82	8.56	6.87	5.70	4.79	

¹Pole 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'-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 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"

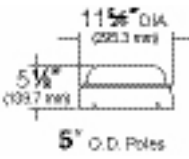
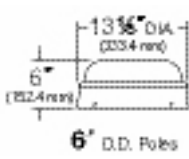
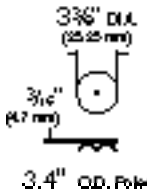
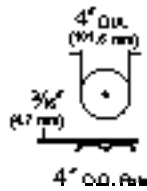
²Pole will be shipped with internal pole adaptor installed.

Type:

Job:

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Standard Features

<p>Finish TGIC powder coat paint over a titanated 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><input type="checkbox"/> BLS</td> <td>Black Gloss Smooth</td> <td><input type="checkbox"/> LGT</td> <td>Light Grey Matte Textured</td> </tr> <tr> <td><input type="checkbox"/> BLT</td> <td>Black Matte Textured</td> <td><input type="checkbox"/> PSS</td> <td>Platinum Silver Gloss Smooth</td> </tr> <tr> <td><input type="checkbox"/> DBS</td> <td>Dark Bronze Gloss Smooth</td> <td><input type="checkbox"/> VGT</td> <td>Verde Green Matte Textured</td> </tr> <tr> <td><input type="checkbox"/> DBT</td> <td>Dark Bronze Matte Textured</td> <td><input type="checkbox"/> WHS</td> <td>White Gloss Smooth</td> </tr> <tr> <td><input type="checkbox"/> GTT</td> <td>Graphic Matte Textured</td> <td><input type="checkbox"/> WHT</td> <td>White Matte Textured</td> </tr> <tr> <td><input type="checkbox"/> LGS</td> <td>Light Grey Gloss Smooth</td> <td><input type="checkbox"/> 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:	<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
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<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>																												
<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>																												

Type:

Job:

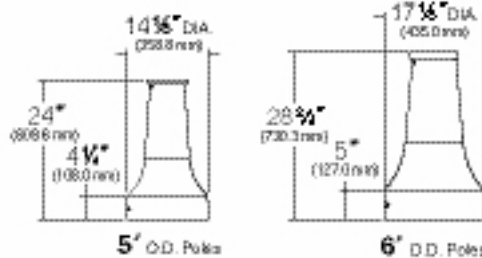
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Optional Features

Optional Decorative Base Cover

Cat. No. HBC1

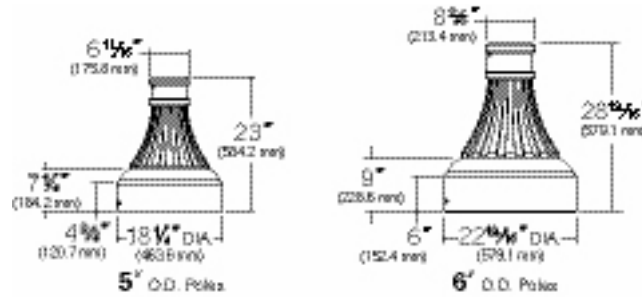
The Decorative Base Cover is constructed of heavy and durable cast aluminum, the base is supplied in two halves for easy attachment after the pole is raised and set onto the anchor bolts.



Optional Traditional Base Cover

Cat. No. HBC2
 No Option

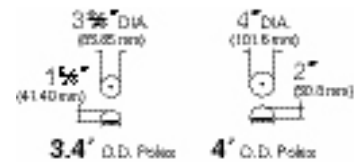
The Traditional Base Cover is constructed of heavy and durable cast aluminum, supplied in two halves for easy attachment after the pole is raised and set onto the anchor bolts.



Optional Dome Pole Top Cap

Cat. No. HF1

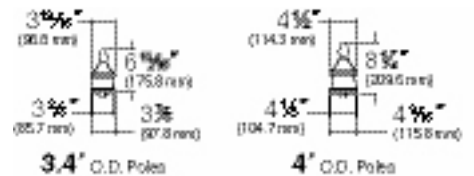
Dome Pole Top Cap is cast aluminum, finished to match the pole, and available for 3.4" and 4" diameter pole tops.



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

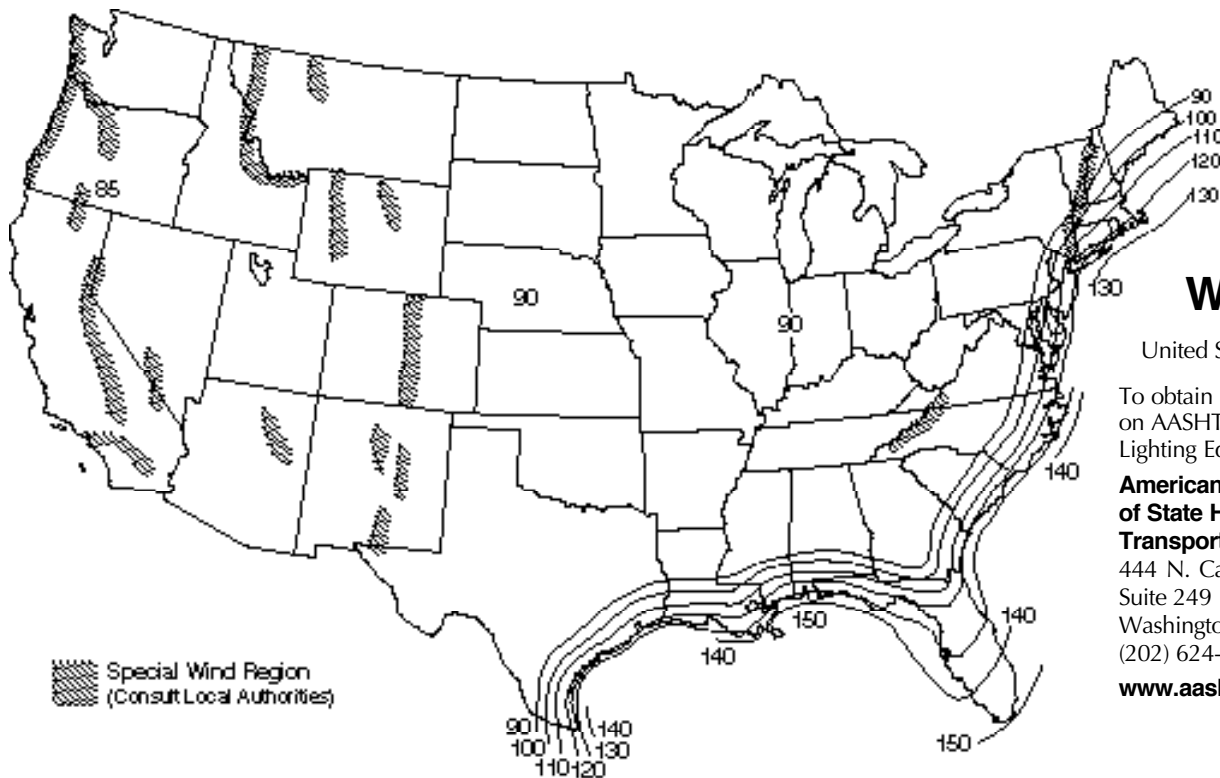
Mounted opposite the handhole, at 22K" above the base cover, in a cast aluminum box that is internally welded and sealed with a gasketed self-closing cover and locking bracket.

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

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

Type:

Job:



Wind Map

United States and Canada

To obtain more information on AASHTO Standards for Lighting Equipment contact:

American Association of State Highway and Transportation Officials:
 444 N. Capitol Street, NW,
 Suite 249
 Washington, DC 20001
 (202) 624-5800

www.aashto.org

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.