



Type:

Job:

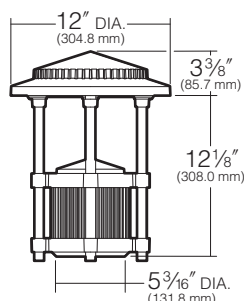
Page: 2 of 5

## Specifications

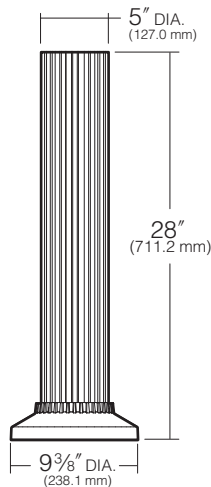
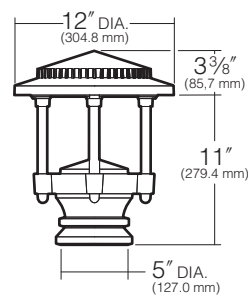
### BNB2 and BNB5

70 to 100 watt PMH  
70 to 100 watt HPS  
Medium Base Lamps  
42 watt Compact Fluorescent  
18, 27 or 36 LED

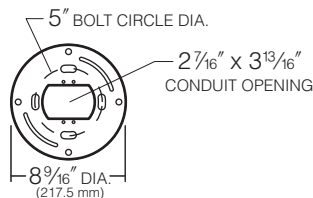
#### BNB2



#### BNB5



Fluted



**Hood and Lens Frame:** Die-cast, low copper (<0.6% Cu) aluminum alloy with stainless steel hinge. Hood is opened by loosening one stainless steel captive button-head socket cap screw.  $\frac{3}{16}$ " thick clear flat tempered glass lens seals against the lens frame by a one-piece molded silicone gasket. Lens frame seals against the hood by a one-piece extruded and vulcanized silicone gasket.

**Reflector Module:** Specular Alzak<sup>®</sup> optical segments are rigidly mounted within an aluminum frame and fastened securely to the hood. A porcelain medium base socket rated 4KV is provided for HID, and a GX24q-4 universal socket is provided for fluorescent. No reflector provided for LED.

**Body Support: BNB2:** Die-cast, low copper (<0.6% Cu) aluminum alloy flanges compress a ribbed extruded aluminum chamber. The four heavy wall extruded aluminum support rods are mechanically fastened to the lens frame with stainless steel fasteners. The support rods are held in position through die-cast arms and mechanically fastened at the bottom with a custom aluminum bolt. The electrical wiring is channeled through a support rod with a brass bushing. **BNB5:** Heavy low copper alloy (<0.6% Cu) cast aluminum wiring chamber. The four extruded aluminum support rods are mechanically fastened between the lens frame and wiring chamber with stainless steel bolts. The wiring is channeled through the support rods.

**Body Cap:** Die-cast, low copper (<0.6% Cu) aluminum, retained by two captive stainless steel screws. Optional matte black finish to eliminate bounce light. See page 5.

**Shaft:** One-piece fluted aluminum extrusion, .188" minimum wall thickness and two internal  $\frac{3}{16}$ "-16 mounting rods sandwich shaft between base and head.

**Anchor Base Plate:** A heavy cast aluminum anchor base is provided for mounting to the four  $\frac{3}{8}$ " x 10" + 2" zinc plated J-bolts, each with two nuts and washers. A rigid pressed board template is provided to secure the anchor bolts during concrete pour (5" B.C.D.)

**Electrical Module:** Factory mounted to a rigid harness attached to the anchor base. **HID:** High Power Factor with starting temperatures of -20°F for PMH and -40°F for HPS lamp modes. **Fluorescent:** High Power Factor with starting temperature of 0°F. **LED:** A total of 9 LED emitters configured in a rectangular array comprised together as a module. Two (2) modules for 18 LED version; three (3) modules for 27 LED version; and four (4) modules for 36 LED version. Available in 3500K and 5100K.

**LED Driver:** Rated for 18 LED, 27 LED or 36 LED. Universal voltage from 120 to 277V with a  $\pm 10\%$  tolerance. -40°F starting temperature. All drivers are Underwriters Laboratories recognized.

**Finish/Color:** Super TGIC thermoset polyester powder coat paint, 2.5 mil nominal thickness, applied over a titanated zirconium conversion coating; 2500 hour salt spray test endurance rating. Standard colors are Black, Dark Bronze, Light Gray, Stealth Gray<sup>™</sup>, Platinum Silver, or White. Custom colors are available.

**CAUTION:** Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

#### Listings and Ratings

UL cUL 1598 <sup>1</sup>	IP46 Rated	CE	25C Ambient
(FCO) Full Cutoff <sup>2</sup>			

<sup>1</sup>Suitable for wet locations

<sup>2</sup>Dark Sky Legislation Compliant

KIM LIGHTING RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.

Type:

Job:

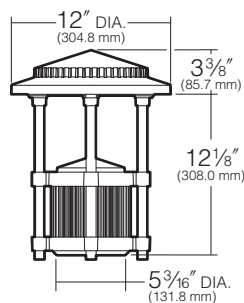
Page: 3 of 5

## Specifications

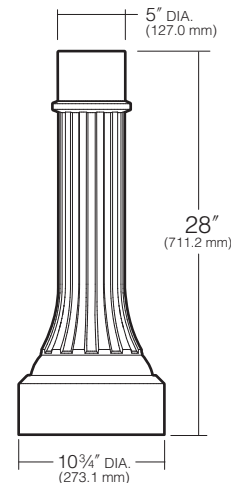
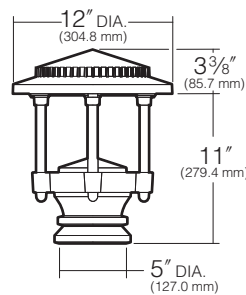
### BNB3 and BNB6

70 to 100 watt PMH  
70 to 100 watt HPS  
Medium Base Lamps  
42 watt Compact Fluorescent  
18, 27 or 36 LED

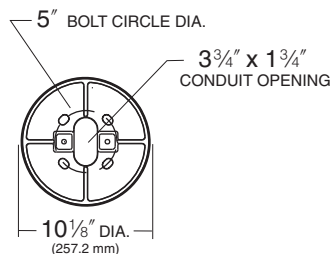
#### BNB3



#### BNB6



Traditional



**Hood and Lens Frame:** Die-cast, low copper (<0.6% Cu) aluminum alloy with stainless steel hinge. Hood is opened by loosening one stainless steel captive button-head socket cap screw. 3/16" thick clear flat tempered glass lens seals against the lens frame by a one-piece molded silicone gasket. Lens frame seals against the hood by a one-piece extruded and vulcanized silicone gasket.

**Reflector Module:** Specular Alzak® optical segments are rigidly mounted within an aluminum frame and fastened securely to the hood. A porcelain medium base socket rated 4KV is provided for HID, and a GX24q-4 universal socket is provided for fluorescent. No reflector provided for LED.

**Body Support: BNB3:** Die-cast, low copper (<0.6% Cu) aluminum alloy flanges compress a ribbed extruded aluminum chamber. The four heavy wall extruded aluminum support rods are mechanically fastened to the lens frame with stainless steel fasteners. The support rods are held in position through die-cast arms and mechanically fastened at the bottom with a custom aluminum bolt. The electrical wiring is channeled through a support rod with a brass bushing. **BNB6:** Heavy low copper alloy (<0.6% Cu) cast aluminum wiring chamber. The four extruded aluminum support rods are mechanically fastened between the lens frame and wiring chamber with stainless steel bolts. The wiring is channeled through the support rods.

**Body Cap:** Die-cast, low copper (<0.6% Cu) aluminum, retained by two captive stainless steel screws. Optional matte black finish to eliminate bounce light. See page 5.

**Shaft:** One-piece cast aluminum .188" minimum wall thickness and two internal 3/8"-16 mounting rods sandwich shaft between base and head.

**Anchor Base Plate:** A heavy cast aluminum anchor base is provided for mounting to the four 3/8" x 10" + 2" zinc plated J-bolts, each with two nuts and washers. A rigid pressed board template is provided to secure the anchor bolts during concrete pour (5" B.C.D.)

**Electrical Module:** Factory mounted to a rigid harness attached to the anchor base. **HID:** High Power Factor with starting temperatures of -20°F for PMH and -40°F for HPS lamp modes. **Fluorescent:** High Power Factor with starting temperature of 0°F. **LED:** A total of 9 LED emitters configured in a rectangular array comprised together as a module. Two (2) modules for 18 LED version; three (3) modules for 27 LED version; and four (4) modules for 36 LED version. Available in 3500K and 5100K.

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(FCO) Full Cutoff <sup>2</sup>			

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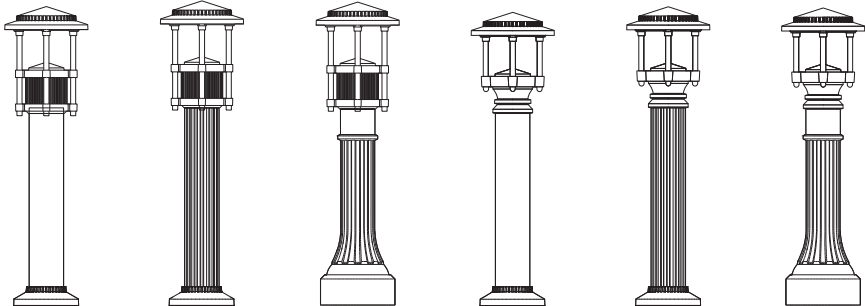
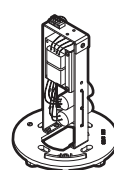









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Type:  
Job:



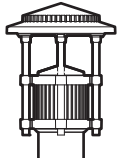
## Standard Features

<p><b>Fixture</b></p>	 <p>Cat. No. <input type="checkbox"/> <b>BNB1</b>    <input type="checkbox"/> <b>BNB2</b>    <input type="checkbox"/> <b>BNB3</b>    <input type="checkbox"/> <b>BNB4</b>    <input type="checkbox"/> <b>BNB5</b>    <input type="checkbox"/> <b>BNB6</b></p>																																																																																											
<p><b>Electrical Module</b></p> <p><b>PMH</b> = Pulse Start Metal Halide <b>HPS</b> = High Pressure Sodium <b>PL</b> = Compact Fluorescent <b>LED</b> = Light Emitting Diode</p> <table border="1" data-bbox="162 1239 373 1344"> <thead> <tr> <th>Lamp Watts</th> <th>Lamp Type</th> <th>Line Volts</th> </tr> </thead> <tbody> <tr> <td><b>70</b></td> <td><b>PMH</b></td> <td><b>120</b></td> </tr> </tbody> </table> <p>For PMH, HPS and PL. See footnote 2 below for LED</p>  <p><b>NOTE:</b> For lamp/ballast information outside of the U.S.A. and Canada, please consult your local Kim representative.</p>	Lamp Watts	Lamp Type	Line Volts	<b>70</b>	<b>PMH</b>	<b>120</b>	<p>Cat. Nos. for Electrical Modules available:</p> <table border="1" data-bbox="487 987 1526 1617"> <thead> <tr> <th></th> <th colspan="2">Pulse Start Metal Halide</th> <th colspan="2">High Pressure Sodium</th> </tr> </thead> <tbody> <tr> <td></td> <td><input type="checkbox"/> <b>70PMH120</b></td> <td><input type="checkbox"/> <b>100PMH120</b></td> <td><input type="checkbox"/> <b>70HPS120</b></td> <td><input type="checkbox"/> <b>100HPS120</b></td> </tr> <tr> <td></td> <td><input type="checkbox"/> <b>70PMH208</b></td> <td><input type="checkbox"/> <b>100PMH208</b></td> <td><input type="checkbox"/> <b>70HPS208</b></td> <td><input type="checkbox"/> <b>100HPS208</b></td> </tr> <tr> <td></td> <td><input type="checkbox"/> <b>70PMH240</b></td> <td><input type="checkbox"/> <b>100PMH240</b></td> <td><input type="checkbox"/> <b>70HPS240</b></td> <td><input type="checkbox"/> <b>100HPS240</b></td> </tr> <tr> <td></td> <td><input type="checkbox"/> <b>70PMH277</b></td> <td><input type="checkbox"/> <b>100PMH277</b></td> <td><input type="checkbox"/> <b>70HPS277</b></td> <td><input type="checkbox"/> <b>100HPS277</b></td> </tr> <tr> <td></td> <td><input type="checkbox"/> <b>70PMH347</b></td> <td><input type="checkbox"/> <b>100PMH347</b></td> <td><input type="checkbox"/> <b>70HPS347</b></td> <td><input type="checkbox"/> <b>100HPS347</b></td> </tr> <tr> <td>Lamp</td> <td>ED-17, Coated</td> <td>ED-17, Coated</td> <td>ED-17, Coated</td> <td>ED-17, Coated</td> </tr> <tr> <td>Socket</td> <td>Medium Base</td> <td>Medium Base</td> <td>Medium Base</td> <td>Medium Base</td> </tr> <tr> <td>ANSI Ballast Type</td> <td>M-98, M-143</td> <td>M-90, M-140</td> <td>S62</td> <td>S54</td> </tr> <tr> <td></td> <td>Compact Fluor.</td> <td>LED</td> <td></td> <td></td> </tr> <tr> <td></td> <td><input type="checkbox"/> <b>42PL120</b><sup>1</sup></td> <td><input type="checkbox"/> <b>18L3KUV</b><sup>2</sup></td> <td><input type="checkbox"/> <b>27L3KUV</b><sup>2</sup></td> <td><input type="checkbox"/> <b>36L3KUV</b><sup>2</sup></td> </tr> <tr> <td></td> <td><input type="checkbox"/> <b>42PL208</b><sup>1</sup></td> <td><input type="checkbox"/> <b>18L5KUV</b><sup>2</sup></td> <td><input type="checkbox"/> <b>27L5KUV</b><sup>2</sup></td> <td><input type="checkbox"/> <b>36L5KUV</b><sup>2</sup></td> </tr> <tr> <td></td> <td><input type="checkbox"/> <b>42PL240</b><sup>1</sup></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td><input type="checkbox"/> <b>42PL277</b><sup>1</sup></td> <td>IES Type 1</td> <td>IES Type 3</td> <td>IES Type 5</td> </tr> <tr> <td>Lamp</td> <td>Compact Fluor.</td> <td>LED</td> <td>LED</td> <td>LED</td> </tr> <tr> <td>Socket</td> <td>GX24q-4</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> </tr> </tbody> </table> <p><sup>1</sup>42PL operates one 26, 32, or 42 watt lamp at 120 thru 277 volts (50-60 Hz). <b>NOTE:</b> Coated lamps are recommended. <sup>2</sup>For LED, 18L = 18 LED Emitters; 27L = 27 LED Emitters; 36L = 36 LED Emitters; 3K = 3500K color temperature; 5K = 5100K color temperature; UV = Universal Voltage from 120 to 277V with a ± 10% tolerance.</p>							Pulse Start Metal Halide		High Pressure Sodium			<input type="checkbox"/> <b>70PMH120</b>	<input type="checkbox"/> <b>100PMH120</b>	<input type="checkbox"/> <b>70HPS120</b>	<input type="checkbox"/> <b>100HPS120</b>		<input type="checkbox"/> <b>70PMH208</b>	<input type="checkbox"/> <b>100PMH208</b>	<input type="checkbox"/> <b>70HPS208</b>	<input type="checkbox"/> <b>100HPS208</b>		<input type="checkbox"/> <b>70PMH240</b>	<input type="checkbox"/> <b>100PMH240</b>	<input type="checkbox"/> <b>70HPS240</b>	<input type="checkbox"/> <b>100HPS240</b>		<input type="checkbox"/> <b>70PMH277</b>	<input type="checkbox"/> <b>100PMH277</b>	<input type="checkbox"/> <b>70HPS277</b>	<input type="checkbox"/> <b>100HPS277</b>		<input type="checkbox"/> <b>70PMH347</b>	<input type="checkbox"/> <b>100PMH347</b>	<input type="checkbox"/> <b>70HPS347</b>	<input type="checkbox"/> <b>100HPS347</b>	Lamp	ED-17, Coated	ED-17, Coated	ED-17, Coated	ED-17, Coated	Socket	Medium Base	Medium Base	Medium Base	Medium Base	ANSI Ballast Type	M-98, M-143	M-90, M-140	S62	S54		Compact Fluor.	LED				<input type="checkbox"/> <b>42PL120</b> <sup>1</sup>	<input type="checkbox"/> <b>18L3KUV</b> <sup>2</sup>	<input type="checkbox"/> <b>27L3KUV</b> <sup>2</sup>	<input type="checkbox"/> <b>36L3KUV</b> <sup>2</sup>		<input type="checkbox"/> <b>42PL208</b> <sup>1</sup>	<input type="checkbox"/> <b>18L5KUV</b> <sup>2</sup>	<input type="checkbox"/> <b>27L5KUV</b> <sup>2</sup>	<input type="checkbox"/> <b>36L5KUV</b> <sup>2</sup>		<input type="checkbox"/> <b>42PL240</b> <sup>1</sup>					<input type="checkbox"/> <b>42PL277</b> <sup>1</sup>	IES Type 1	IES Type 3	IES Type 5	Lamp	Compact Fluor.	LED	LED	LED	Socket	GX24q-4	N/A	N/A	N/A
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<p><b>Luminaire Finish</b></p> <p>Super TGIC powder coat paint over a titanated zirconium conversion coating on fixture and shaft.</p>	<p>Color: Black    Dark Bronze    Light Gray    Stealth Gray™    Platinum Silver    White    Custom Color<sup>3</sup></p> <p>Cat. No.: <input type="checkbox"/> <b>BL</b>    <input type="checkbox"/> <b>DB</b>    <input type="checkbox"/> <b>LG</b>    <input type="checkbox"/> <b>SG</b>    <input type="checkbox"/> <b>PS</b>    <input type="checkbox"/> <b>WH</b>    <input type="checkbox"/> <b>CC</b></p> <p><sup>3</sup>Custom colors subject to additional charges, minimum quantities and extended lead times. Consult representative. Custom color description: _____</p>																																																																																											

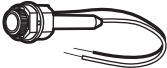
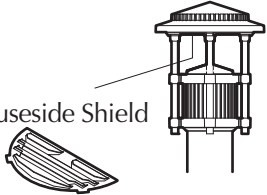
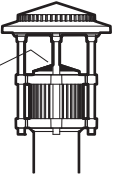

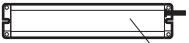
Type:

Job:

Page: 5 of 5



## Optional Features

<p><b>Fusing (internal only):</b> Cat. No. <b>(see chart at right)</b> <input type="checkbox"/> No Option</p>	<p>High temperature fuse holders factory installed inside the fixture housing. Fuse is included.</p> <p>Line Volts:    120V    208V    240V    277V    347V Cat. No.:    <input type="checkbox"/> SF    <input type="checkbox"/> DF    <input type="checkbox"/> DF    <input type="checkbox"/> SF    <input type="checkbox"/> SF</p>	 Single Fuse								
<p><b>Houseside Shield</b> Cat. No. <input type="checkbox"/> HS <input type="checkbox"/> No Option</p>	<p>Optional shield made of stamped louvered aluminum allows streetside light to pass while blocking houseside light. Blackened reflector panels within the reflector also reduces the houseside reflection.</p>	 Houseside Shield								
<p><b>Matte Black Body Cap:</b> Cat. No. <input type="checkbox"/> BBC <input type="checkbox"/> No Option</p>	<p>For locations where complete cutoff optical control is desired, an Optional Matte Black Body Cap can be specified. This significantly reduces the indirect up-light distribution, providing complete cutoff. To further reduce the nighttime visual presence of the fixture, specify Black or Dark Bronze luminaire finish.</p>	 Optional Cap								
<p><b>Textured Glass Lens</b> Cat. No. <input type="checkbox"/> TG <input type="checkbox"/> No Option</p>	<p>Unique textured glass reduces LED glare and improves visual comfort.</p>									
<p><b>Emergency Battery Back-up</b> Cat. No. <input type="checkbox"/> EM <input type="checkbox"/> No Option</p>	<p>Internal battery pack provides 90 minutes of supplemental light at 23% of initial lamp lumens for 26, 32, or 42 watt compact fluorescent lamps.</p>	 Battery Back-up								
<p><b>Cold-Pack Emergency Battery Pack</b> Cat. No. <input type="checkbox"/> EM-CP <input type="checkbox"/> No Option</p>	<p>The EM-CP option is a temperature controlled ballast designed to maintain operation without interruption within a range of hi/low ambient temperatures, -20°C to +55°C.</p> <p>Internal Cold-Pack emergency battery pack provides up to 90 minutes of supplemental light. See following table for max. lumens output by lamps.</p> <table border="1" data-bbox="500 1745 919 1881"> <thead> <tr> <th><u>Lamp (4-Pin)</u></th> <th><u>1 lamp lumens</u></th> </tr> </thead> <tbody> <tr> <td>42W</td> <td>750</td> </tr> <tr> <td>32W</td> <td>575</td> </tr> <tr> <td>26W</td> <td>450</td> </tr> </tbody> </table>	<u>Lamp (4-Pin)</u>	<u>1 lamp lumens</u>	42W	750	32W	575	26W	450	 cold-pack battery back-up
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