

Type:
Job:
Catalog number:

Approvals:

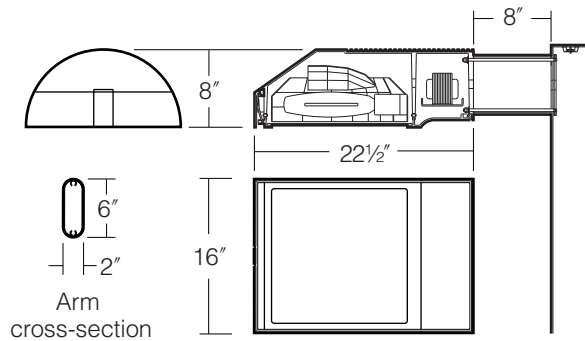
/	/	/	/	/
Mtg.	Fixture	Electrical Module	Finish	Options
See page 2				Optional Vertical Slipfitter Mount See page 5

Date:
Page: 1 of 5

Select pole from Kim Pole Catalog. If pole is provided by others indicate O.D. for arm fitting.

Specifications

150 to 400 watt
Mogul Base Lamps
Maximum Fixture weight (400HPS) = 45 lb



Housing: One-piece die-cast, low copper (<0.6% Cu) aluminum alloy with integral cooling ribs over the optical chamber and electrical compartment. Solid barrier wall separates optical and electrical compartments. Double-thick wall with gussets on the support-arm mounting end. Housing forms a half cylinder with 55° front face plane providing a recess to allow a flush single-latch detail. All hardware is stainless steel or electro-zinc plated steel.

Lens Frame: One-piece die-cast, low copper (<0.6% Cu) aluminum alloy lens frame with 1" minimum depth around the gasket flange. Integral hinges with stainless steel pins provide no-tool mounting and removal from housing. Single die-cast aluminum cam-latch provides positive locking and sealing of the optical chamber by a one-piece extruded and vulcanized silicone gasket. Clear 3/16" thick tempered glass lens retained by eight steel clips with full silicone gasketing around the perimeter.

Reflector Module: Specular Alzak® optical segments are rigidly mounted within a die-cast aluminum enclosure that attaches to the housing as a one-piece module. Reflector module is field rotatable in 90° increments. HPS and PMH sockets are porcelain 4KV pulse rated mogul base with molded silicone lamp stabilizer. All reflector modules are factory prewired with quick-disconnect plug and include silicone seal at the penetration of the internal barrier wall in the luminaire housing.

Electrical Module: All electrical components are UL and CSA recognized, mounted on a single plate and factory prewired with quick-disconnect plugs. Electrical module attaches to housing with no-tool hinges and latches, accessible by opening the lens frame only. All ballasts are high power factor rated -20°F. starting.

Support Arm: One-piece extruded aluminum with internal bolt guides and fully radiussed top and bottom. Luminaire-to-pole attachment is by internal draw bolts, and includes a pole reinforcing plate with wire strain relief. Arm is circular cut for specified round pole.

Optional Wall Mounting: Fixture mounted to poured concrete walls only. A modified support arm is provided with side access to allow field splices within the arm. A wall embedment bracket is provided to accept draw bolts, and a trim plate covers the wall-embedded junction box. All wall mount components are finished to match the fixture.

Finish: 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®, 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 ¹	CE	IP66 Rated	25C Ambient
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¹Suitable for wet locations.

KIM LIGHTING RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.



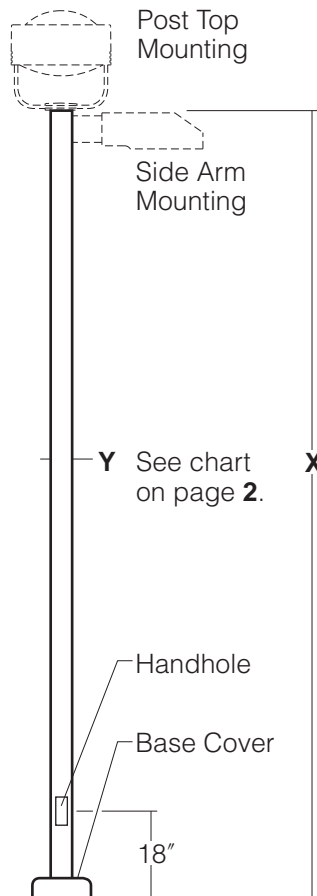
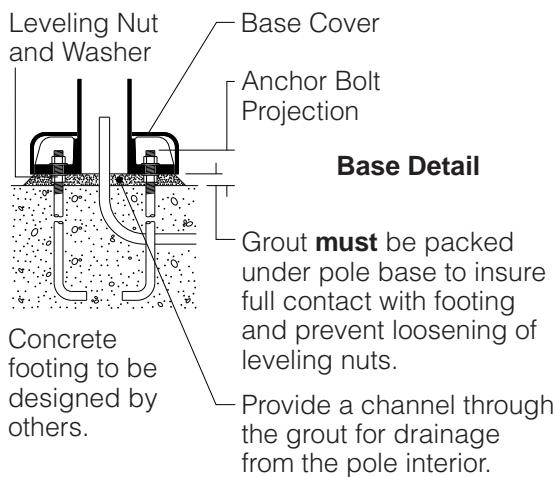
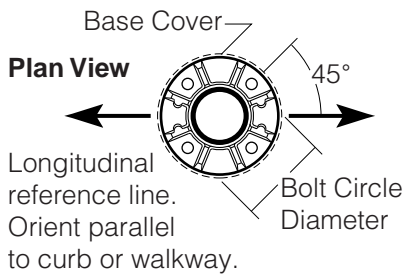
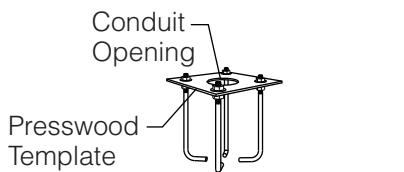
Type:
Job:
Catalog number:

Approvals:

	/	/	/	/	/
Pole	Mounting	Structural Luminaire Option	Finish	Optional Hinged Base	Optional Duplex Receptacle
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-T6, welded to top and bottom of aluminum base casting of alloy 356.

Base Cover: Base has a two-piece cast aluminum full cover of 319 alloy, secured by stainless steel screws.

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

Handhole: 18" up from base, with a gasketed cover and ground lug. Poles with a 3^{3/8}" O.D. include a handhole reinforcement casting welded in place.

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 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. Standard colors are Black, Dark Bronze, Light Gray, Stealth Gray™, Platinum Silver, and White. Custom colors are available.

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 pole collapse and serious personal injury.



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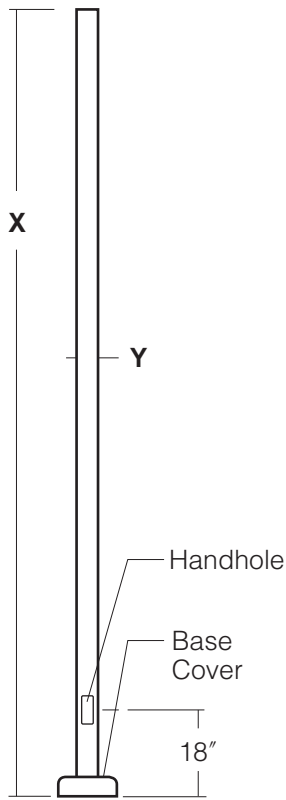
Job:

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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 Catalog Number	X	Y	Allowable Pole EPA								Wind Map
			85	90	100	110	120	130	140	150	Steady Wind
<input type="checkbox"/> PRA8-4125	8'	4" x .125	13.06	11.49	10.46	8.39	6.81	5.65	4.80	4.13	
<input type="checkbox"/> PRA8-5125	8'	5" x .125	21.29	18.79	17.15	14.05	11.72	9.92	8.49	7.34	
<input type="checkbox"/> PRA10-34125	10'	3 3/8" x .125	6.58	5.70	7.71	6.05	4.79	3.88	3.27	2.78	
<input type="checkbox"/> PRA10-4125	10'	4" x .125	9.78	8.53	9.09	7.01	5.42	4.30	3.58	3.01	
<input type="checkbox"/> PRA10-5125	10'	5" x .125	16.21	14.21	12.90	10.51	8.72	7.34	6.25	5.38	
<input type="checkbox"/> PRA12-34188	12'	3 3/8" x .188	8.76	7.62	6.86	5.35	4.20	3.30	2.59	2.03	
<input type="checkbox"/> PRA12-4125	12'	4" x .125	7.48	6.44	5.75	4.37	3.32	2.59	2.14	1.78	
<input type="checkbox"/> PRA12-5125	12'	5" x .125	12.67	11.00	9.91	8.01	6.60	5.51	4.66	3.99	
<input type="checkbox"/> PRA12-6188	12'	6" x .188	32.89	29.22	27.04	22.20	18.53	15.69	13.44	11.64	
<input type="checkbox"/> PRA14-34188	14'	3 3/8" x .188	6.94	5.95	5.31	4.01	3.02	2.26	1.65	1.17	
<input type="checkbox"/> PRA14-4125	14'	4" x .125	5.73	4.84	4.25	3.06	2.16	1.57	1.24	0.98	
<input type="checkbox"/> PRA14-4188	14'	4" x .188	10.56	9.14	8.21	6.34	4.92	3.91	3.26	2.74	
<input type="checkbox"/> PRA14-5125	14'	5" x .125	10.01	8.58	7.64	6.10	4.98	4.11	3.44	2.91	
<input type="checkbox"/> PRA14-5188	14'	5" x .188	17.90	15.62	14.12	11.46	9.48	7.95	6.75	5.79	
<input type="checkbox"/> PRA14-6188	14'	6" x .188	27.19	24.11	22.37	18.31	15.24	12.87	11.00	9.49	
<input type="checkbox"/> PRA16-4188	16'	4" x .188	8.55	7.31	6.50	4.86	3.62	2.76	2.25	1.85	
<input type="checkbox"/> PRA16-5125	16'	5" x .125	7.90	6.65	5.83	4.57	3.67	2.98	2.45	2.03	
<input type="checkbox"/> PRA16-5188	16'	5" x .188	14.80	12.81	11.50	9.26	7.61	6.34	5.34	4.55	
<input type="checkbox"/> PRA16-6188	16'	6" x .188	22.77	20.16	18.75	15.29	12.69	10.68	9.09	7.82	
<input type="checkbox"/> PRA20-4188	19.5'	4" x .188	5.33	4.37	3.74	2.48	1.52	0.91	0.63	0.42	
<input type="checkbox"/> PRA20-5125	19.5'	5" x .125	4.50	3.54	2.90	2.11	1.56	1.16	0.85	0.62	
<input type="checkbox"/> PRA20-5188	19.5'	5" x .188	9.83	8.29	7.28	5.73	4.60	3.75	3.09	2.56	
<input type="checkbox"/> PRA20-6188	19.5'	6" x .188	15.69	13.81	12.95	10.46	8.59	7.16	6.03	5.14	
<input type="checkbox"/> PRA25-6188	25'	6" x .188	9.74	8.46	8.07	6.38	5.12	4.17	3.43	2.85	
<input type="checkbox"/> PRA30-6188	30'	6" x .188	5.61	4.74	4.69	3.54	2.71	2.08	1.60	1.23	
<input type="checkbox"/> PRA30-6250	30'	6" x .250	11.37	9.88	9.42	7.45	5.99	4.88	4.02	3.34	



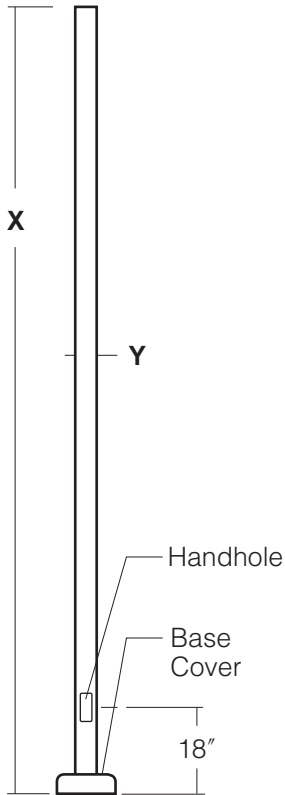
Type:

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).



Anchor Base and Bolt Detail

Pole Height	Pole Diameter	Bolt Circle Dia.	Anchor Bolt Projection	Anchor Bolts Size	Base Cover Size	Conduit Opening
8'-14'	4"-5"	8½"	3¼"	¾" x 15" + 3"	11⅞"	3" dia.
10'-14'	3⅜"	7"	3⅛"	¾" x 15" + 3"	11⅞"	2½" dia.
12'	6"	10½"	3⅜"	¾" x 15" + 3"	11⅞"	3" dia.
14'	6"	8½"	3¼"	¾" x 30" + 4"	11⅞"	3" dia.
16'-20'	4"-5"	8½"	3¼"	¾" x 30" + 4"	11⅞"	3" dia.
25'-30'	6"	10½"	3⅜"	¾" x 30" + 4"	14"	5" dia.

Mounting

Plan Views: **Flush Mount**  **Side Arm** 

Mounting¹: 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.

¹See luminaire drilling requirements in luminaire catalog.

Structural Luminaires *Only* - Examples

- TS**: Single Tension for small and large Structural - PRA20-5188SB-TS
- TD**: Double Tension for small and large Structural - PRA20-5188B-TD
- TR**: Truss for small and large Structural - PRA20-5188SB-TR
- XTS**: Single Tension for 1000W Structural - PRA20-5188B-XTS
- XTD**: Double Tension for 1000W Structural - PRA20-5188B-XTD
- XTR**: Truss for 1000W Structural - PRA20-5188B-XTR

Type:

Job:

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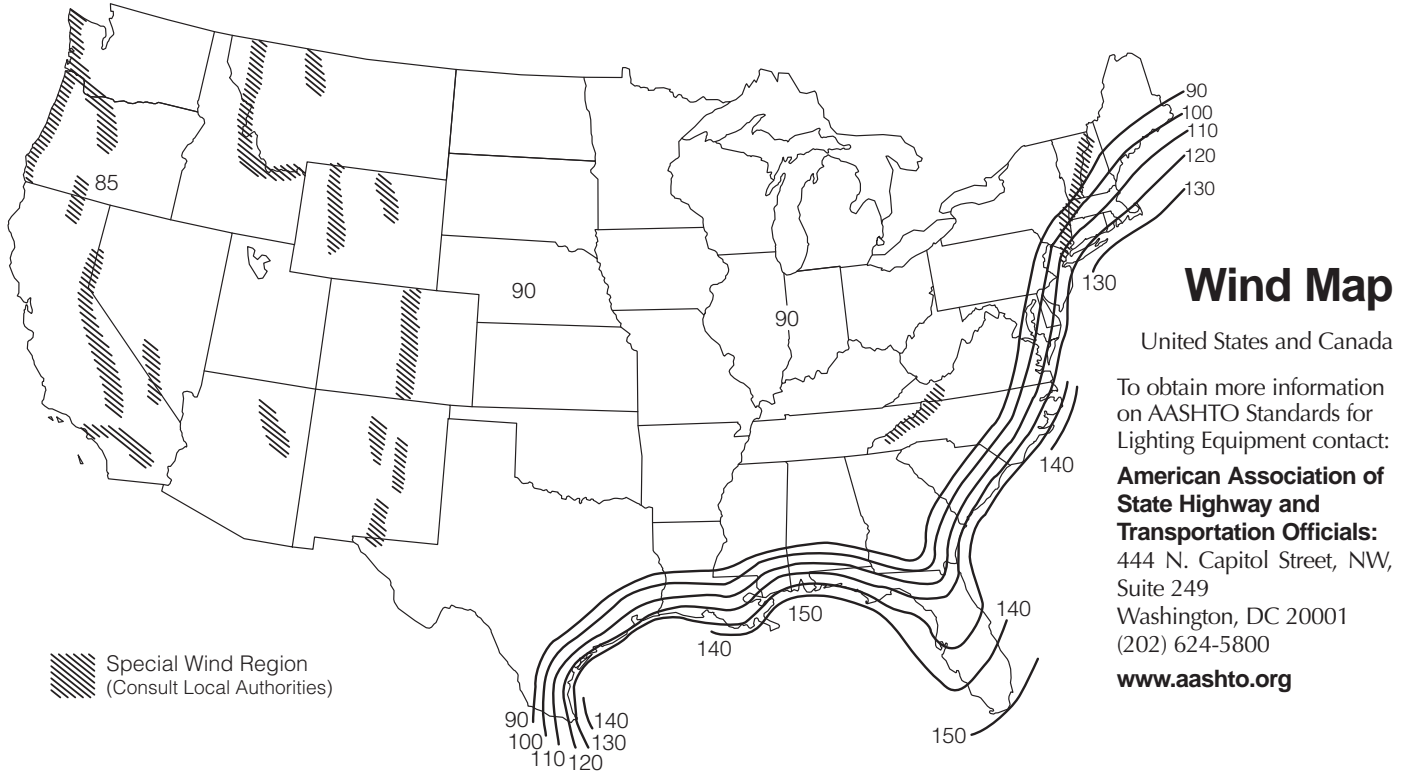
Standard and Optional Features

<p>Finish Super TGIC powder coat paint over a zirconium conversion coating.</p>	<p>Color: Black Dark Bronze Light Gray Stealth Gray™ Platinum Silver White Custom Color¹ Cat. No.: <input type="checkbox"/> BL <input type="checkbox"/> DB <input type="checkbox"/> LG <input type="checkbox"/> SG <input type="checkbox"/> PS <input type="checkbox"/> WH <input type="checkbox"/> CC</p> <p>¹Custom color subject to additional charges, minimum quantities and extended lead times. Consult representative. Custom color description: _____</p>
<p>Optional Hinged Base Cat. No. <input type="checkbox"/> HB-X1 <input type="checkbox"/> HB-X2 <input type="checkbox"/> HB-Y1 <input type="checkbox"/> HB-Y2 <input type="checkbox"/> No Option</p>	<p>Optional hinged base available for FM, A, and B mount poles up to 14 feet only. The use of hinged bases requires some pre-planning so poles hinge in the right direction, as dictated by the surrounding environment.</p> <div style="text-align: center;"> <p>Hinging Directions</p> </div> <p>NOTE: For FM mount, use HB-X1 base.</p>
<p>Optional Duplex Receptacle Cat. No. <input type="checkbox"/> DR <input type="checkbox"/> DR-GFI <input type="checkbox"/> No Option</p>	<p>Mounted opposite the handhole, at 22½" from base of pole, in a cast aluminum box that is internally welded and sealed with a gasketed self-closing cover and locking bracket.</p> <p>Duplex Receptacle (DR) rated 20A., 125V. Duplex Receptacle with Ground Fault Circuit Interrupter (DR-GFI) rated 20A., 125V.</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.

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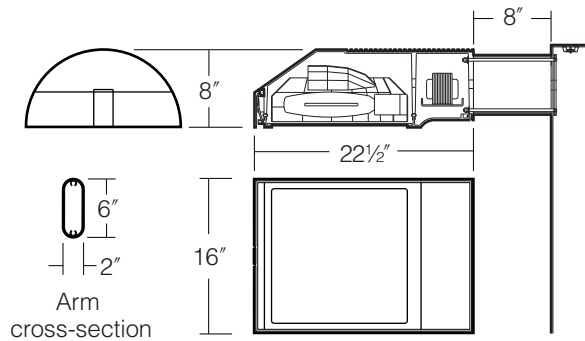
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Date:
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Select pole from Kim Pole Catalog. If pole is provided by others indicate O.D. for arm fitting.

Specifications

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Mogul Base Lamps
Maximum Fixture weight (400HPS) = 45 lb



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Lens Frame: One-piece die-cast, low copper (<0.6% Cu) aluminum alloy lens frame with 1" minimum depth around the gasket flange. Integral hinges with stainless steel pins provide no-tool mounting and removal from housing. Single die-cast aluminum cam-latch provides positive locking and sealing of the optical chamber by a one-piece extruded and vulcanized silicone gasket. Clear 3/16" thick tempered glass lens retained by eight steel clips with full silicone gasketing around the perimeter.

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Support Arm: One-piece extruded aluminum with internal bolt guides and fully radiussed top and bottom. Luminaire-to-pole attachment is by internal draw bolts, and includes a pole reinforcing plate with wire strain relief. Arm is circular cut for specified round pole.

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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 ¹	CE	IP66 Rated	25C Ambient
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¹Suitable for wet locations.

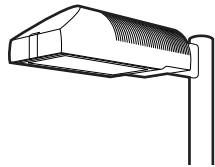
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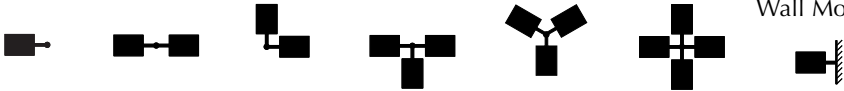

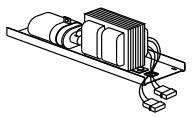
Type:

Job:

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Standard Features

<p>Mounting 3Y configuration is available for round poles only.</p>	<p>Plan View:</p>  <p>EPA: 1.2 2.4 2.0 3.2 3.2 3.9 n/a</p> <p>Cat. No.: <input type="checkbox"/> 1A <input type="checkbox"/> 2B <input type="checkbox"/> 2L <input type="checkbox"/> 3T <input type="checkbox"/> 3Y <input type="checkbox"/> 4C <input type="checkbox"/> 1W</p>																																																																																										
<p>Fixture Cat. No. designates fixture and light distribution. See the Kim Site/Roadway Optical Systems Catalog for detailed information on reflector design and application.</p>	<p>Flat Lens</p>  <p>Light Distribution: Type I Type II Type III Type IV Type V</p> <p> Full Cutoff Full Cutoff Full Cutoff Forward Throw Full Cutoff Square Full Cutoff</p> <p>Cat. No.: <input type="checkbox"/> AR1 <input type="checkbox"/> AR2 <input type="checkbox"/> AR3 <input type="checkbox"/> AR4 <input type="checkbox"/> AR5</p>																																																																																										
<p>Electrical Module HPS = High Pressure Sodium PMH = Pulse Start Metal Halide</p>  <p>Lamp Watts Type Line Volts 400 HPS 277</p>	<p>Cat. Nos. for Electrical Modules available:</p> <table border="1"> <thead> <tr> <th></th> <th colspan="3">High Pressure Sodium</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> 150HPS120</td> <td><input type="checkbox"/> 250HPS120</td> <td><input type="checkbox"/> 400HPS120</td> <td></td> </tr> <tr> <td><input type="checkbox"/> 150HPS208</td> <td><input type="checkbox"/> 250HPS208</td> <td><input type="checkbox"/> 400HPS208</td> <td></td> </tr> <tr> <td><input type="checkbox"/> 150HPS240</td> <td><input type="checkbox"/> 250HPS240</td> <td><input type="checkbox"/> 400HPS240</td> <td></td> </tr> <tr> <td><input type="checkbox"/> 150HPS277</td> <td><input type="checkbox"/> 250HPS277</td> <td><input type="checkbox"/> 400HPS277</td> <td></td> </tr> <tr> <td><input type="checkbox"/> 150HPS347</td> <td><input type="checkbox"/> 250HPS347</td> <td><input type="checkbox"/> 400HPS347</td> <td></td> </tr> <tr> <td><input type="checkbox"/> 150HPS480</td> <td><input type="checkbox"/> 250HPS480</td> <td><input type="checkbox"/> 400HPS480</td> <td></td> </tr> <tr> <td>Lamp</td> <td>E-23½, Clear</td> <td>E-18, Clear</td> <td>E-18, Clear</td> </tr> <tr> <td>Socket</td> <td>Mogul Base</td> <td>Mogul Base</td> <td>Mogul Base</td> </tr> <tr> <td>ANSI Ballast</td> <td>S-55</td> <td>S-50</td> <td>S-51</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th></th> <th colspan="4">Pulse Start Metal Halide</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> 250PMH120</td> <td><input type="checkbox"/> 320PMH120</td> <td><input type="checkbox"/> 350PMH120</td> <td><input type="checkbox"/> 400PMH120</td> <td></td> </tr> <tr> <td><input type="checkbox"/> 250PMH208</td> <td><input type="checkbox"/> 320PMH208</td> <td><input type="checkbox"/> 350PMH208</td> <td><input type="checkbox"/> 400PMH208</td> <td></td> </tr> <tr> <td><input type="checkbox"/> 250PMH240</td> <td><input type="checkbox"/> 320PMH240</td> <td><input type="checkbox"/> 350PMH240</td> <td><input type="checkbox"/> 400PMH240</td> <td></td> </tr> <tr> <td><input type="checkbox"/> 250PMH277</td> <td><input type="checkbox"/> 320PMH277</td> <td><input type="checkbox"/> 350PMH277</td> <td><input type="checkbox"/> 400PMH277</td> <td></td> </tr> <tr> <td><input type="checkbox"/> 250PMH347</td> <td><input type="checkbox"/> 320PMH347</td> <td><input type="checkbox"/> 350PMH347</td> <td><input type="checkbox"/> 400PMH347</td> <td></td> </tr> <tr> <td><input type="checkbox"/> 250PMH480</td> <td><input type="checkbox"/> 320PMH480</td> <td><input type="checkbox"/> 350PMH480</td> <td><input type="checkbox"/> 400PMH480</td> <td></td> </tr> <tr> <td>Lamp</td> <td>ED-28, Clear</td> <td>BT-28, Clear</td> <td>BT-28, Clear</td> <td>ED-28, Clear</td> </tr> <tr> <td>Socket</td> <td>Mogul Base</td> <td>Mogul Base</td> <td>Mogul Base</td> <td>Mogul Base</td> </tr> <tr> <td>ANSI Ballast</td> <td>M-138</td> <td>M-132, M154, or M170</td> <td>M-131, M171</td> <td>M-135</td> </tr> </tbody> </table> <p>NOTE: Due to the Energy Independence and Security Act (EISA) of 2007, Kim Lighting can no longer supply probe start metal halide ballasts with its luminaires, effective January 1, 2009. Contact Kim Lighting for availability of replacement ballasts for warranty service claims. 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Type:
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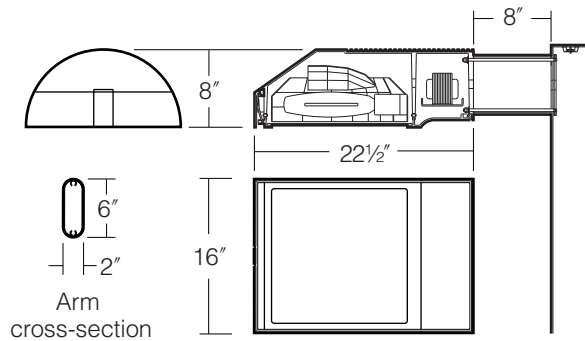
/	/	/	/	/
Mtg.	Fixture	Electrical Module	Finish	Options
See page 2				Optional Vertical Slipfitter Mount See page 5

Date:
Page: 1 of 5

Select pole from Kim Pole Catalog. If pole is provided by others indicate O.D. for arm fitting.

Specifications

150 to 400 watt
Mogul Base Lamps
Maximum Fixture weight (400HPS) = 45 lb



Housing: One-piece die-cast, low copper (<0.6% Cu) aluminum alloy with integral cooling ribs over the optical chamber and electrical compartment. Solid barrier wall separates optical and electrical compartments. Double-thick wall with gussets on the support-arm mounting end. Housing forms a half cylinder with 55° front face plane providing a recess to allow a flush single-latch detail. All hardware is stainless steel or electro-zinc plated steel.

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Electrical Module: All electrical components are UL and CSA recognized, mounted on a single plate and factory prewired with quick-disconnect plugs. Electrical module attaches to housing with no-tool hinges and latches, accessible by opening the lens frame only. All ballasts are high power factor rated -20°F. starting.

Support Arm: One-piece extruded aluminum with internal bolt guides and fully radiussed top and bottom. Luminaire-to-pole attachment is by internal draw bolts, and includes a pole reinforcing plate with wire strain relief. Arm is circular cut for specified round pole.

Optional Wall Mounting: Fixture mounted to poured concrete walls only. A modified support arm is provided with side access to allow field splices within the arm. A wall embedment bracket is provided to accept draw bolts, and a trim plate covers the wall-embedded junction box. All wall mount components are finished to match the fixture.

Finish: 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®, 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 ¹	CE	IP66 Rated	25C Ambient
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¹Suitable for wet locations.

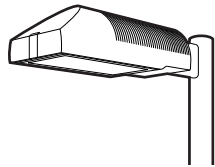
KIM LIGHTING RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.



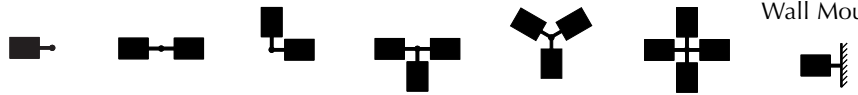

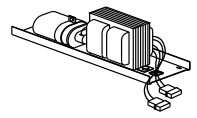
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Page: 2 of 5



Standard Features

<p>Mounting 3Y configuration is available for round poles only.</p>	<p>Plan View:</p>  <p>EPA: 1.2 2.4 2.0 3.2 3.2 3.9 n/a</p> <p>Cat. No.: <input type="checkbox"/> 1A <input type="checkbox"/> 2B <input type="checkbox"/> 2L <input type="checkbox"/> 3T <input type="checkbox"/> 3Y <input type="checkbox"/> 4C <input type="checkbox"/> 1W</p>																																																																																										
<p>Fixture Cat. No. designates fixture and light distribution. See the Kim Site/Roadway Optical Systems Catalog for detailed information on reflector design and application.</p>	<p>Flat Lens</p>  <p>Light Distribution: Type I Type II Type III Type IV Type V</p> <p> Full Cutoff Full Cutoff Full Cutoff Forward Throw Full Cutoff Square Full Cutoff</p> <p>Cat. No.: <input type="checkbox"/> AR1 <input type="checkbox"/> AR2 <input type="checkbox"/> AR3 <input type="checkbox"/> AR4 <input type="checkbox"/> AR5</p>																																																																																										
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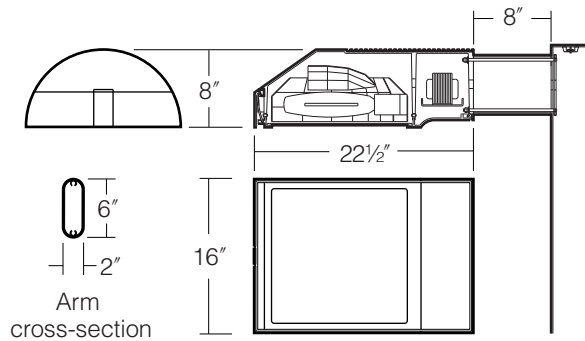
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Select pole from Kim Pole Catalog. If pole is provided by others indicate O.D. for arm fitting.

Specifications

150 to 400 watt
Mogul Base Lamps
Maximum Fixture weight (400HPS) = 45 lb



Housing: One-piece die-cast, low copper (<0.6% Cu) aluminum alloy with integral cooling ribs over the optical chamber and electrical compartment. Solid barrier wall separates optical and electrical compartments. Double-thick wall with gussets on the support-arm mounting end. Housing forms a half cylinder with 55° front face plane providing a recess to allow a flush single-latch detail. All hardware is stainless steel or electro-zinc plated steel.

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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 ¹	CE	IP66 Rated	25C Ambient
--------------------------	----	------------	-------------

¹Suitable for wet locations.

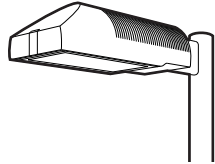
KIM LIGHTING RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.



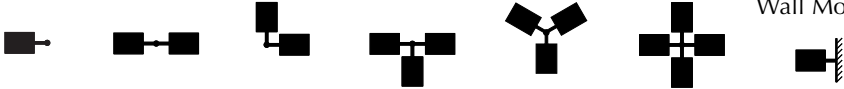

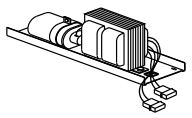
Type:

Job:

Page: 2 of 5



Standard Features

<p>Mounting 3Y configuration is available for round poles only.</p>	<p>Plan View:</p>  <p>EPA: 1.2 2.4 2.0 3.2 3.2 3.9 n/a</p> <p>Cat. No.: <input type="checkbox"/> 1A <input type="checkbox"/> 2B <input type="checkbox"/> 2L <input type="checkbox"/> 3T <input type="checkbox"/> 3Y <input type="checkbox"/> 4C <input type="checkbox"/> 1W</p>																																																																																			
<p>Fixture Cat. No. designates fixture and light distribution. See the Kim Site/Roadway Optical Systems Catalog for detailed information on reflector design and application.</p>	<p>Flat Lens</p>  <p>Light Distribution: Type I Type II Type III Type IV Type V</p> <p> Full Cutoff Full Cutoff Full Cutoff Forward Throw Full Cutoff Square Full Cutoff</p> <p>Cat. No.: <input type="checkbox"/> AR1 <input type="checkbox"/> AR2 <input type="checkbox"/> AR3 <input type="checkbox"/> AR4 <input type="checkbox"/> AR5</p>																																																																																			
<p>Electrical Module HPS = High Pressure Sodium PMH = Pulse Start Metal Halide</p>  <p>Lamp Watts Type Line Volts</p> <p>400 HPS 277</p>	<p>Cat. Nos. for Electrical Modules available:</p> <table border="1"> <tr> <td colspan="4">High Pressure Sodium</td> </tr> <tr> <td><input type="checkbox"/> 150HPS120</td> <td><input type="checkbox"/> 250HPS120</td> <td><input type="checkbox"/> 400HPS120</td> <td></td> </tr> <tr> <td><input type="checkbox"/> 150HPS208</td> <td><input type="checkbox"/> 250HPS208</td> <td><input type="checkbox"/> 400HPS208</td> <td></td> </tr> <tr> <td><input type="checkbox"/> 150HPS240</td> <td><input type="checkbox"/> 250HPS240</td> <td><input type="checkbox"/> 400HPS240</td> <td></td> </tr> <tr> <td><input type="checkbox"/> 150HPS277</td> <td><input type="checkbox"/> 250HPS277</td> <td><input type="checkbox"/> 400HPS277</td> <td></td> </tr> <tr> <td><input type="checkbox"/> 150HPS347</td> <td><input type="checkbox"/> 250HPS347</td> <td><input type="checkbox"/> 400HPS347</td> <td></td> </tr> <tr> <td><input type="checkbox"/> 150HPS480</td> <td><input type="checkbox"/> 250HPS480</td> <td><input type="checkbox"/> 400HPS480</td> <td></td> </tr> <tr> <td>Lamp</td> <td>E-23½, Clear</td> <td>E-18, Clear</td> <td>E-18, Clear</td> </tr> <tr> <td>Socket</td> <td>Mogul Base</td> <td>Mogul Base</td> <td>Mogul Base</td> </tr> <tr> <td>ANSI Ballast</td> <td>S-55</td> <td>S-50</td> <td>S-51</td> </tr> <tr> <td colspan="4">Pulse Start Metal Halide</td> </tr> <tr> <td><input type="checkbox"/> 250PMH120</td> <td><input type="checkbox"/> 320PMH120</td> <td><input type="checkbox"/> 350PMH120</td> <td><input type="checkbox"/> 400PMH120</td> </tr> <tr> <td><input type="checkbox"/> 250PMH208</td> <td><input type="checkbox"/> 320PMH208</td> <td><input type="checkbox"/> 350PMH208</td> <td><input type="checkbox"/> 400PMH208</td> </tr> <tr> <td><input type="checkbox"/> 250PMH240</td> <td><input type="checkbox"/> 320PMH240</td> <td><input type="checkbox"/> 350PMH240</td> <td><input type="checkbox"/> 400PMH240</td> </tr> <tr> <td><input type="checkbox"/> 250PMH277</td> <td><input type="checkbox"/> 320PMH277</td> <td><input type="checkbox"/> 350PMH277</td> <td><input type="checkbox"/> 400PMH277</td> </tr> <tr> <td><input type="checkbox"/> 250PMH347</td> <td><input type="checkbox"/> 320PMH347</td> <td><input type="checkbox"/> 350PMH347</td> <td><input type="checkbox"/> 400PMH347</td> </tr> <tr> <td><input type="checkbox"/> 250PMH480</td> <td><input type="checkbox"/> 320PMH480</td> <td><input type="checkbox"/> 350PMH480</td> <td><input type="checkbox"/> 400PMH480</td> </tr> <tr> <td>Lamp</td> <td>ED-28, Clear</td> <td>BT-28, Clear</td> <td>BT-28, Clear</td> <td>ED-28, Clear</td> </tr> <tr> <td>Socket</td> <td>Mogul Base</td> <td>Mogul Base</td> <td>Mogul Base</td> <td>Mogul Base</td> </tr> <tr> <td>ANSI Ballast</td> <td>M-138</td> <td>M-132, M154, or M170</td> <td>M-131, M171</td> <td>M-135</td> </tr> </table> <p>NOTE: Due to the Energy Independence and Security Act (EISA) of 2007, Kim Lighting can no longer supply probe start metal halide ballasts with its luminaires, effective January 1, 2009. Contact Kim Lighting for availability of replacement ballasts for warranty service claims. (Visit www.aboutlightingcontrols.org or the Library of Congress website for more details).</p>	High Pressure Sodium				<input type="checkbox"/> 150HPS120	<input type="checkbox"/> 250HPS120	<input type="checkbox"/> 400HPS120		<input type="checkbox"/> 150HPS208	<input type="checkbox"/> 250HPS208	<input type="checkbox"/> 400HPS208		<input type="checkbox"/> 150HPS240	<input type="checkbox"/> 250HPS240	<input type="checkbox"/> 400HPS240		<input type="checkbox"/> 150HPS277	<input type="checkbox"/> 250HPS277	<input type="checkbox"/> 400HPS277		<input type="checkbox"/> 150HPS347	<input type="checkbox"/> 250HPS347	<input type="checkbox"/> 400HPS347		<input type="checkbox"/> 150HPS480	<input type="checkbox"/> 250HPS480	<input type="checkbox"/> 400HPS480		Lamp	E-23½, Clear	E-18, Clear	E-18, Clear	Socket	Mogul Base	Mogul Base	Mogul Base	ANSI Ballast	S-55	S-50	S-51	Pulse Start Metal Halide				<input type="checkbox"/> 250PMH120	<input type="checkbox"/> 320PMH120	<input type="checkbox"/> 350PMH120	<input type="checkbox"/> 400PMH120	<input type="checkbox"/> 250PMH208	<input type="checkbox"/> 320PMH208	<input type="checkbox"/> 350PMH208	<input type="checkbox"/> 400PMH208	<input type="checkbox"/> 250PMH240	<input type="checkbox"/> 320PMH240	<input type="checkbox"/> 350PMH240	<input type="checkbox"/> 400PMH240	<input type="checkbox"/> 250PMH277	<input type="checkbox"/> 320PMH277	<input type="checkbox"/> 350PMH277	<input type="checkbox"/> 400PMH277	<input type="checkbox"/> 250PMH347	<input type="checkbox"/> 320PMH347	<input type="checkbox"/> 350PMH347	<input type="checkbox"/> 400PMH347	<input type="checkbox"/> 250PMH480	<input type="checkbox"/> 320PMH480	<input type="checkbox"/> 350PMH480	<input type="checkbox"/> 400PMH480	Lamp	ED-28, Clear	BT-28, Clear	BT-28, Clear	ED-28, Clear	Socket	Mogul Base	Mogul Base	Mogul Base	Mogul Base	ANSI Ballast	M-138	M-132, M154, or M170	M-131, M171	M-135
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ANSI Ballast	M-138	M-132, M154, or M170	M-131, M171	M-135																																																																																
<p>Finish Super TGIC powder coat paint over a titanated zirconium conversion coating.</p>	<p>Color: Black Dark Bronze Light Gray Stealth Gray® Platinum Silver White Custom Color¹</p> <p>Cat. No.: <input type="checkbox"/> BL <input type="checkbox"/> DB <input type="checkbox"/> LG <input type="checkbox"/> SG <input type="checkbox"/> PS <input type="checkbox"/> WH <input type="checkbox"/> CC</p> <p>¹Custom colors subject to additional charges, minimum quantities and extended lead times. Consult representative. Custom color description: _____</p>																																																																																			

Notes:

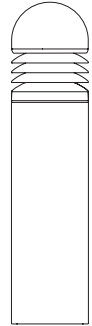
Job:

Type:

BOLLARD

BRM820/821/823 DOME TOP LOUVER

GENERAL DESCRIPTION: Gardco's dome top Louver Bollard provides uniform illumination, superior spacings and solid vandal resistance. Rugged extruded and cast construction with silicone seals and gasketing assure years of trouble free service. The BRM820 is a complete assembly with an aluminum base. BRM821 head only unit affixes to custom architectural elements. the BRM 823 luminaire includes a concrete base assembly. Each Gardco BRM820/821/823 utilizes 35w through 100w high intensity discharge or up to 42w triple tube fluorescent lamps.



ORDERING

PREFIX	HEIGHT	WATTAGE	VOLTAGE	FINISH	OPTIONS
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Enter the order code into the appropriate box above. Note: Gardco reserves the right to refuse a configuration. Not all combinations and configurations are valid. Refer to notes below for exclusions and limitations. For questions or concerns, please consult the factory.					<input type="text"/>

PREFIX

BRM820	with Cast Aluminum Base
BRM821	Head Only
BRM823	with Natural Concrete Base
BRM823B	with Beige Concrete Base
BRM823G	with Grey Concrete Base

HEIGHT

42"	36"	30"	24"
11"			
42"			
42"			
42"			

WATTAGE

50MH¹	35HPS²	26QF³	INC²
70MH	50HPS¹	32TRF³	<i>100w maximum A19</i>
100MH	70HPS	42TRF³	
	100HPS		
	<i>MH</i>	<i>Metal Halide</i>	
	<i>HPS</i>	<i>High Pressure Sodium</i>	
	<i>INC</i>	<i>Incandescent</i>	

1. 120/277V Primary only.
2. 120V Primary only.
3. Features an electronic fluorescent ballast that accepts 120V through 277V, 50hz or 60hz input. 0°F/18°C starting temperature.

VOLTAGE

120
208
240
277

FINISH

BRP	Bronze Paint	OC	Optional Color Paint <i>Specify RAL designation ex: OC-RAL7024</i>
BLP	Black Paint		
WP	White Paint	SC	Special Color Paint <i>Specify. Must supply color chip</i>
NP	Natural Aluminum Paint		
VP	Verde Green Paint		

OPTIONS

F	Fusing
SHD	Internal 180° Shield
DUP	Duplex Receptacle <i>BRM820 only. Available in 36" and 42" heights only. Weathertight, flush mounted in lower housing, and located a minimum of 18" above grade.</i>
GFCI	GFCI Receptacle <i>BRM820 only. Available in 36" and 42" heights only. Weathertight, flush mounted in lower housing, and located a minimum of 18" above grade.</i>

Gardco Lighting reserves the right to change materials or modify the design of its product without notification as part of the company's continuing product improvement program.

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Genlyte Group

Gardco Lighting
1611 Clovis Barker Road,
San Marcos, TX 78666

(800) 227-0758
(512) 753-1000
FAX: (512) 753-7855
www.sitelighting.com



79115-35/0306

BOLLARD

BRM820/821/823 DOME TOP LOUVER

SPECIFICATIONS

UPPER HOUSING: Diecast aluminum dome top secures to one-piece louvered casting with three (3) concealed tamper resistant screws.

LOWER HOUSING:

BRM820

Luminaire features a cylindrical .125 (.318 cm) wall 6063-T5 extruded aluminum base housing. Bottom section has a welded-in cast ring for attachment to base assembly with four (4) hex head set screws.

BRM821

Louwer head assembly is affixed to ballast mounting bracket which is suitable for insertion into architectural elements (by others).

BRM 823

Luminaire includes a pre-cast concrete base constructed with steel molds and wire reinforcing. Base is acid-etched to provide a smooth textured aggregate finish.

OPTICAL SYSTEM: Louvers are angled to provide maximum spacings while shielding the source to 90°. Upper louver features a concealed hammertoned anodized aluminum reflector to increase luminaire efficiency and generate unstriated beam patterns. A fully gasketed Pyrex vessel enshrouds the lamp envelope and is secured with a stainless steel spring.

SOCKET: Medium base pulse-rated lampholder is glazed porcelain with nickel plated reinforced screw shell and spring loaded contact.

ANCHORAGE:

BRM820

Base assembly consists of a cast aluminum platform and ballast mounting bracket. Assembly is secured and leveled to the mounting foundation with four (4) 3/8" X 8" x 1 1/2" (.953 cm x 20.32 cm x 3.81 cm) anchor bolts on a 4 3/4"

(12.07 cm) bolt circle. Ballast is prewired with quick electrical disconnects and mounting bracket is secured with two (2) Phillips head screws for ease of installation and servicing.

BRM 821

Mounting plate is cast aluminum with slots to accept anchor bolts (by others) at 90° on a 6 1/4" (15.88 cm) diameter bolt circle. A 4 1/2" (11.43 cm) diameter opening is required to house ballast assembly.

BRM823

Base assembly consists of four (4) galvanized steel base tabs fastened to pre-cast concrete base. Assembly is secured and leveled to the mounting foundation with four (4) 3/8" X 8" X 1 1/2" (.953 cm x 20.32 cm x 3.81 cm) anchor bolts on a 9 1/2" (24.13 cm) bolt circle. Base is designed for 5" (12.7 cm) direct burial

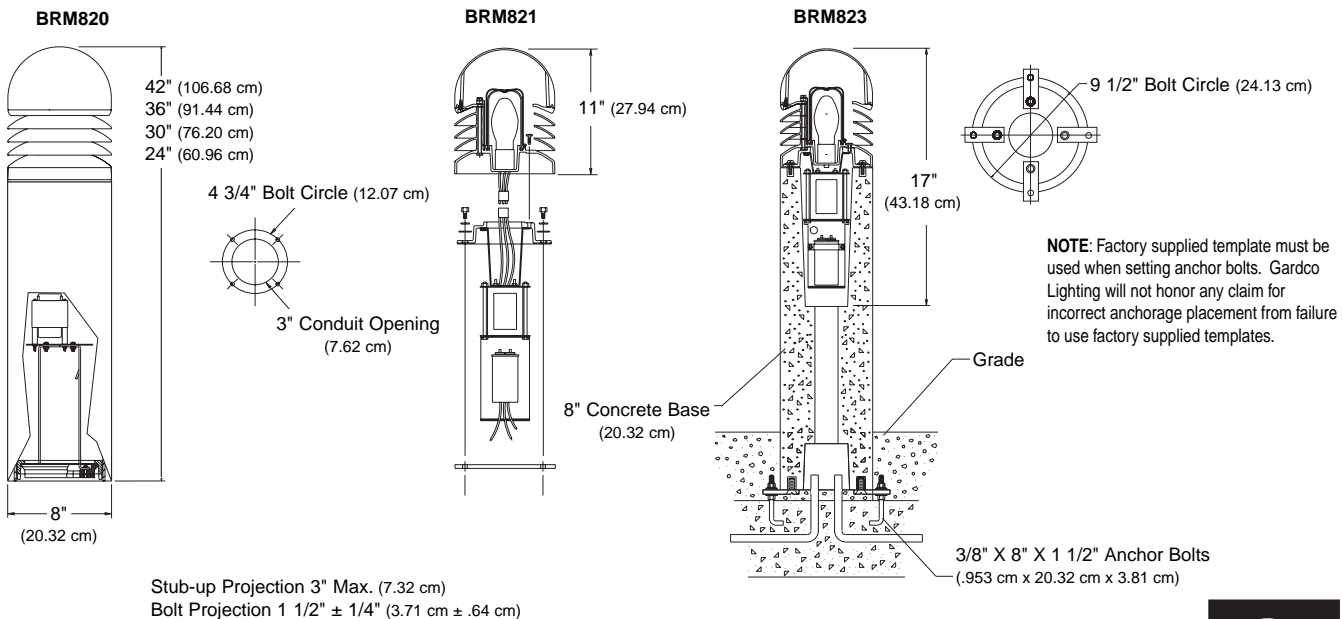
ELECTRICAL: Each high power factor ballast is the separate component type, capable of providing reliable lamp starting down to -20°F/-29°C. Component-to-component wiring within the luminaire will carry no more than 80% of rated current and is listed by UL for use at 600 VAC at 150°C or higher. Plug disconnects are listed by UL for use at 600 VAC, 15A or higher.

All fluorescent luminaires utilize electronic ballasts that are high power factor and designed for reliable lamp starting to 0°F/18°C. Smart fluorescent ballasts accept 26w, 32w and 42w in all voltages from 120 to 277, 50/60Hz. Sockets are high temperature PBT with brass contacts.

LUMINAIRE FINISH: Each luminaire receives a fade and abrasion resistant, electrostatically applied, thermally cured textured powdercoat finish

LABELS: All fixtures bear UL or CUL (where applicable) Wet Location labels.

DIMENSIONS



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79115-35/0306

**Pole top luminaires
with round symmetrical light distribution
from a shielded light source**

Inverted cone pole top luminaires for garden, park and pedestrian scale area lighting applications.

Housing: All die cast aluminum construction with heavy gauge .080" spun aluminum double wall cap with threaded device removable for relamping, finished white inside. Integral fitter slip fits 3" O.D. pole top and is secured by four (4) socket head stainless steel set screws threaded into stainless steel inserts.

Enclosure: Molded 3/16" clear high impact acrylic cone. Die cast aluminum louver stack painted white shields the light source and directs light downward.

Electrical: Lampholders are medium base porcelain with nickel plated copper screw shell supplied with 200°C high temperature leads, rated 4KV. Fluorescent are type G24d-2 (18W). Ballasts are located in the base of the selected BEGA pole and are available in 120V or 277V, HPF - specify.

Finish: Standard finish is an eight step process consisting of two coats of black or white polyurethane, one with light texture over a phosphate base.

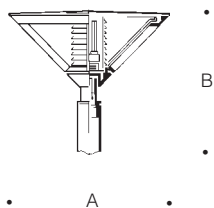
Custom colors supplied on special order.

U.L. listed, suitable for wet locations.

Type:
BEGA Product #:
Project:
Voltage:
Color:
Options:
Modified:

**Steinhafel's - Madison
East**

Options
Application Photo
Photometry



Pole top luminaires with clear impact resistant DR acrylic enclosure. Die cast aluminum louvers painted white. Die cast aluminum fitter and four-rib cage. Slip fits 3" O.D. pole top or tenon.
Color: Black or white.

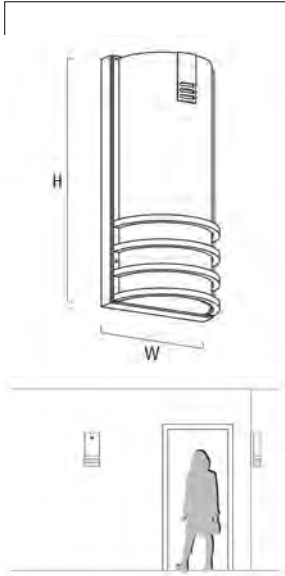
	Lamp	Lumen	A	B
8189P	2 18W PLC	2500	27½	13¾
9898S	1 70W E-17 HPS	6400	27½	13¾
9898MH	1 100W ED-17 MH	8500	27½	13¾



Colonnade | OW1054

Catalog Number: OW1054

Custom Dimensions. 36"h x 18" w



Dimensions

Key	English	Metric
W (width)	9-1/4"	235mm
D (depth)	6"	152mm
H (height)	20-1/4"	514mm
MC (mounting center)	10-1/8"	257mm

Options

Emergency

REM Remote Emergency Battery Pack

XPS Option

XPS Express 10 Day Shipment

Custom Lamping. 150W Induction

Lamping Choices

Lamping	Voltage	Max Amps
<input type="radio"/> 2N75(120V) (2) 75 watt, Incandescent, A19, MED	120V	1.26
<input type="radio"/> 3QF13(120/277V) (3) 13 watt, Quad Compact Fluorescent, QUAD, G24q-1 Ballast(s): Integral, electronic, H.P.F. Fluorescent.	120/277V	.6/.21
<input type="radio"/> 3QF13(347V) (3) 13 watt, Quad Compact Fluorescent, QUAD, G24q-1 Ballast(s): Integral, electronic, H.P.F. Fluorescent.	347V	.18

Finishes

Finish

- PTCTBS Unspecified
- DR8012 Deep Red (RAL 8012)
- NB5022 Night Blue (RAL 5022)
- TW9016 Traffic White (RAL 9016)
- AG7038 Agate Grey (RAL 7038)
- GLIM Glimmer
- PB1035 Pearl Beige (RAL 1035)
- VER Verdegris Powder
- BBH Black-Brass Hammertone
- GN6004 Green (RAL 6004)
- PG7032 Pebble Grey (RAL 7032)
- PTD Painted
- BLH Black-Silver Hammertone
- GSIL Graphite Silver
- RBH Red-Bronze Hammertone
- VG Verdigris Patina Over Copper
- BMAT Bronze Matte
- GW9002 Grey White (RAL 9002)
- RCOP Rich Copper
- BRNZ Bronze Power Coat (V6)
- GY7005 Mouse Grey (RAL 7005)
- RG6013 Reed Green (RAL 6013)
- BSIL Blade Silver
- IBRS Imperial Brass
- SLH Silver Hammertone
- COPR Copper
- JB9005 Jet Black (RAL 9005)
- SR3001 Signal Red (RAL 3001)
- COPT Coppertone
- MG7003 Moss Grey (RAL 7003)
- SUNG Sungold
- CW9001 Cream (RAL 9001)
- MT6033 Mint (RAL 6033)
- TG7042 Traffic Grey (RAL 7042)

Diffuser:
Translucent white acrylic half cylinder.

Mounting:
Mounts to a 4" octagonal electrical box (by others) and with auxiliary holes. Hardware is provided. See the mounting center dimensions (M.C.) on the above drawing to locate the electrical box. The distance between the mounting holes is 17-1/2 in.

Variations -

Notes

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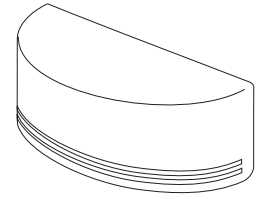
Notes:

Job:

Type:

100 LINE

104 HALF CYLINDER SCONCES



The Gardco 104 half-cylinder high performance sconces are architecturally refined luminaires designed to integrate naturally to wall surfaces. The 104 provides a choice of three (3) highly efficient downlight optical systems. Each luminaire is designed to accept sources up to 175MH. Housings are sealed throughout, completely excluding moisture, dust, insects and contaminants.

ORDERING

PREFIX	DISTRIBUTION	WATTAGE	VOLTAGE	FINISH	OPTIONS

Enter the order code into the appropriate box above. Note: Gardco reserves the right to refuse a configuration. Not all combinations and configurations are valid. Refer to notes below for exclusions and limitations. For questions or concerns, please consult the factory.

PREFIX

- 104** Half Cylinder
104EM Emergency Sconce
104EMR Remote Emergency Sconce

Refer to configuration Chart below for available combinations

DISTRIBUTION

- FT** Forward Throw *N/A w/Fluorescent Lamps*
WT Wide Throw *N/A w/Fluorescent Lamps*
MT Medium Throw

WATTAGE AND VOLTAGE

LAMP/VOLTAGE CHART - 104

Voltage:	120	208	240	277	347	480
<i>E17</i>						
50MH	•			•		
70MH	•	•	•	•	•	
100MH	•	•	•	•	•	•
150MH	•	•	•	•	•	
175MH	•	•	•	•	•	•
35HPS	•					
50HPS	•			•		
70HPS	•	•	•	•	•	•
100HPS	•	•	•	•	•	•
150HPS	•	•	•	•	•	
50CMHE	•			•		
70CMHE	•			•		
100CMHE	•			•		
<i>Fluorescent</i>						
26QF¹	•	•	•	•	•	
226QF¹	•	•	•	•	•	
32TRF¹	•	•	•	•	•	
42TRF¹	•	•	•	•	•	
242TRF¹	•	•	•	•	•	

CONFIGURATION CHART - 104EM

	Distribution			Voltage					
	FT	WT	MT	120	208	240	277	347	480
<i>Fluorescent</i>									
226QF			•	•			•		
42TRF			•	•			•		

CONFIGURATION CHART - 104EMR

	Distribution			Voltage					
	FT	WT	MT	120	208	240	277	347	480
<i>Fluorescent</i>									
226QF			•	•			•	•	
42TRF			•	•			•	•	
242TRF			•	•			•	•	

Combinations marked with a dot are available for ordering.

MH - Metal Halide CMHE - Ceramic Metal Halide with Electronic Ballast

HPS - High Pressure Sodium QF - Quad Fluorescent

TRF - Triple Tube Fluorescent

1. 26QF, 32TRF and 42TRF types feature an electronic fluorescent ballast that accepts 120V through 277V, 50hz or 60hz input.

2. Contact factory for Fluorescent Dimming

FINISH

- BRP** Bronze Paint
BLP Black Paint
WP White Paint
NP Natural Aluminum Paint
BGP Beige Paint
OC Optional Color Paint
Specify RAL designation as shown in Color Selection Guide. ex: OC-RAL7024
SC Special Color Paint
Specify. Must supply color chip

OPTIONS

- F** Fusing *120V/277V only*
PCB Button Type Photocontrol *n/a w/480V*
QS Quartz Standby
WT Optics only. HID only.
N/A with CMHE Ballasts or with 175MH-480V
Q924 Quartz Emergency
HID, WT Optics only. 150w max
SL Solite[®] Diffusing Lens
UT 5° Uptilt

- WS** Wall Mounted Box for Surface Conduit
WS/UT WS Option w/5° Uptilt
B84C Bodine Remote Emergency Pack
EMR luminaires only. Must be ordered here or supplied by others
B84C-CAN Bodine Remote Emergency Pack - Canada
EMR luminaires only. Must be ordered here or supplied by others

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79115-132/1104

100 LINE

104 HALF CYLINDER SCONCES

SPECIFICATIONS

GENERAL: Each Gardco 104 Line luminaire is a wall mounted cutoff luminaire for high intensity discharge or compact fluorescent lamps. Internal components are totally enclosed in a rain-tight, dust-tight and corrosion resistant housing. The housing, back plate and door frame are diecast aluminum. Three (3) downlight only optical systems are available for the 104 LINE. Luminaires are suitable for wet locations (damp locations if inverted).

HOUSING: Single-piece aluminum housings are diecast in a half-cylindrical form. 104 units have fully cast tops. A memory retentive gasket seals the housing with the doorframe to exclude moisture, dust, insects and pollutants from the optical system. A black, diecast ribbed backplate dissipates heat for longer lamp and ballast life.

DOOR FRAME: A single-piece diecast aluminum door frame integrates to the housing form. The door frame is hinged closed and secured to the housing with two (2) captive stainless steel fasteners. The heat and impact resistant 1/8" tempered glass lens and one-piece gasket are mechanically secured to the door frame with five (5) galvanized steel retainers.

OPTICAL SYSTEMS: Reflectors are composed of specular extruded and faceted Alzak[®] components, electropolished, anodized and sealed. Reflector segments are set in arc tube image duplicating patterns to achieve the wide throw, forward throw or medium throw downlight distributions.

ELECTRICAL: Standard Luminaires: Each high power factor ballast is the separate component type, capable of providing reliable lamp starting down to -20° F. Component-to-component wiring within the luminaire will carry no more than 80% of rated current and is listed by UL for use at 600 VAC at 150°C or higher. Plug disconnects are listed by UL for use at 600 VAC, 15A or higher.

Standard and dimming fluorescent units have a starting temperature of 0°F (-18°C). Dimming range is 15% to 100% Standard fluorescent ballasts are solid state.

EM Luminaires: Electronic fluorescent ballasts are high power factor. Sockets are high temperature polycarbonate with brass contacts. In the event of power interruption, integral battery pack will power (1) 42W or (2) 26W compact fluorescent lamps at reduced light levels. Maintenance free battery is rated for ambient temperatures down to 0°C. Indicator light is visible through the lens. A test switch is accessible through the door assembly.

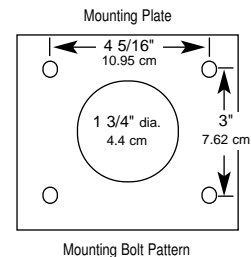
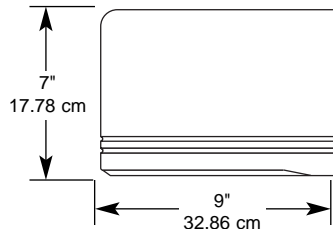
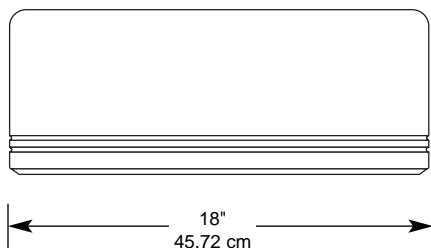
EMR Luminaires: Electronic fluorescent ballasts are high power factor. Sockets are high temperature PBT with brass contacts. A 7.5', 11 wire, quick disconnect assembly is provided for wiring through conduit (by others) to a Bodine B84C fluorescent emergency ballast. The B84C fluorescent emergency ballast is not provided by Gardco unless the B84C Option is specified on the order to the factory. In the event of power interruption, The remote battery pack (B84C) will power (1) 42W or (2) 26W compact fluorescent lamp at reduced light levels. Maintenance free battery is rated for ambient temperatures down to 0°C. Indicator light is visible through the lens. A test switch is accessible through the door assembly.

LAMPHOLDER: Pulse rated medium base sockets are glazed porcelain with nickel plated screw shell. Fluorescent sockets are high temperature plastic (PBT) with brass alloy contacts.

FINISH: Each standard color luminaire receives a fade and abrasion resistant, electrostatically applied, thermally cured, triglycidic isocyanurate (TGIC) textured polyester powdercoat finish. Standard colors include bronze (BRP), black (BLP), white (WP), natural aluminum (NP) and beige (BGP). Consult factory for specs on custom colors.

LABELS: All luminaires bear either UL or CUL (where applicable) Wet Location labels. Lens down application is Wet Location and lens up is Damp Location.

DIMENSIONS



Note: Mounting plate center is located in the center of the luminaire width and 3.5" above the luminaire bottom (lens down position). Splices must be made in the J-box (by others). Mounting plate must be secured by max. 5/16" diameter bolts (by others) structurally to the wall.

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79115-132/1104

Notes:

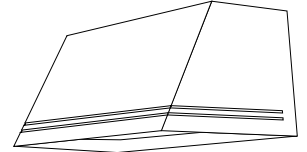
Job:

Type:



100 LINE

101 PERFORMANCE SCONCE



GENERAL DESCRIPTION: The Gardco 101 Trapezoidal Wedge high performance sconce offers an excellent alternative to unsightly wall mounted fixtures. These architecturally refined luminaires are designed to integrate naturally to wall surfaces. The 101 luminaires are available with three (3) different distribution patterns - a wide throw, a medium throw and a forward throw. Each luminaire is designed to accept HID sources up to 175MH, and Compact Fluorescent up to (2) 42W. Housings are sealed throughout, completely excluding moisture, dust, insects and contaminants.

CUTOFF PERFORMANCE: 101 luminaires installed in the normal downlight position, with a flat glass lens, provide full cutoff performance.

ORDERING

PREFIX	DISTRIBUTION	WATTAGE	VOLTAGE	FINISH	OPTIONS

Enter the order code into the appropriate box above. Note: Gardco reserves the right to refuse a configuration. Not all combinations and configurations are valid. Refer to notes below for exclusions and limitations. For questions or concerns, please consult the factory.

PREFIX

101	Trapezoidal Wedge	<i>Refer to configuration chart below for available combinations.</i>
101EM	Emergency Sconce	
101EMC	Emergency Sconce Cold Temperature	
101EMR	Remote Emergency Sconce	

DISTRIBUTION

FT	Forward Throw <i>Not Available with Fluorescent Lamps.</i>
WT	Wide Throw <i>Not Available with Fluorescent Lamps.</i>
MT	Medium Throw

WATTAGE AND VOLTAGE

LAMP / VOLTAGE CHART - 101

E17 - HID	Voltage					
	120	208	240	277	347	480
50MH	●			●		
70MH	●	●	●	●	●	
100MH	●	●	●	●	●	●
150MH	●	●	●	●	●	
175MH	●	●	●	●	●	●
50CMHE ¹	UNIV					
70CMHE ¹	UNIV					
100CMHE ¹	UNIV					
35HPS	●					
50HPS	●			●		
70HPS	●	●	●	●	●	●
100HPS	●	●	●	●	●	●
150HPS	●	●	●	●	●	
<i>Fluorescent</i>						
26QF ¹	UNIV					
226QF ¹	UNIV					
32TRF ¹	UNIV					
232TRF ¹	UNIV					
42TRF ¹	UNIV					
242TRF ¹	UNIV					

Combinations marked with a dot or shown with "UNIV" are available for ordering.

MH - Metal Halide
 CMHE - Ceramic Metal Halide with Electronic Ballast
 HPS - High Pressure Sodium
 TRF - Triple Tube Fluorescent
 QF - Quad Fluorescent

CONFIGURATION CHART - 101EM OR 101EMC⁵

Fluorescent	Distribution			Voltage					
	FT	WT	MT	120	208	240	277	347	480
226QF ²			●	●			●		
32TRF			●	●			●		
42TRF			●	●			●		

CONFIGURATION CHART - 101EMR⁵

Fluorescent	Distribution			Voltage					
	FT	WT	MT	120	208	240	277	347	480
226QF ^{2,3,4}			●	●			●		
32TRF			●	●			●		
232TRF ^{2,3,4}			●	●			●		
42TRF			●	●			●		
242TRF ²			●	●			●		

1. Fluorescent and CMHE luminaires feature electronic ballasts that accept 120V through 277V, 50hz to 60hz, input.

Specify "UNIV" voltage for 120V through 277V.

2. One (1) lamp is powered in emergency mode with B84CG option.

3. Available with ICE420 option, which powers two (2) lamps in emergency mode. ICE420 option only available with 226QF or 232TRF.

4. CAUTION: Maximum battery pack input power for EMR units with ICE420 option is 100 watts (.83 amps) when heating element is on. This is in addition to the normal input power for luminaire lamps and ballast.

5. Refer to "101 Emergency Sconce Table" on page 2 for additional information.

FINISH

BRP	Bronze Paint
BLP	Black Paint
WP	White Paint
NP	Natural Aluminum Paint
BGP	Beige Paint
OC	Optional Color Paint <i>Specify Optional Color or RAL ex: OC-LGP or OC-RAL7024.</i>
SC	Special Color Paint <i>Specify. Must supply color chip.</i>

OPTIONS

F⁶	Fusing
PCB⁷	Button Type Photocontrol
QS⁸	Quartz Standby
QST⁸	Quartz Standby - Timed Delay
Q924⁹	Quartz Emergency
Q12V⁹	Quartz 12V Emergency
Q20MR¹⁰	(2)MR16 12V Emergency - 20 Watt
Q35MR¹⁰	(2)MR16 12V Emergency - 35 Watt
SL	Solite® Diffusing Lens
UT	5° Uptilt
WLU¹¹	Wet Location Door for Inverted Mount
WS¹²	Wall Mounted Box for Surface Conduit
WS/UT¹²	WS Option w/5° Uptilt

WG¹³	Wire Guard
POLY^{13,14}	Polycarbonate Sag Lens

EMR Luminaires Only: ¹⁵

B84CG	Bodine Remote Emergency Pack
ICE420¹⁶	IOTA Remote Emergency Pack 226QF/232TRF only.

6. 120V through 277V only

7. Not available with 480V.

8. HID only. Not available with CMHE Ballasts, FT Optics or in

480V, 100w Quartz maximum.

9. WT Optic only. 150w HID maximum, 100w Quartz maximum.

10. WT Optic only. 50CMHE or 70CMHE only. Supplied with two

(2) 20W MR16 or two (2) 35W MR16 Flood (40° beam) lamps.

11. Not available with WG or POLY options.

12. Rear entry permitted.

13. Not Available with WLU option.

14. 100 watt HID maximum.

15. All Emergency Battery Packs for EMR types MUST be ordered

with luminaires and supplied by Gardco.

16. CAUTION: Maximum battery pack input power for EMR units

with ICE420 option is 100 watts (.83 amps) when heating element

is on. This is in addition to the normal input power for luminaire

lamps and ballast.

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79115-124/0908



100 LINE

101 PERFORMANCE SCONCE

SPECIFICATIONS

GENERAL: Each Gardco 101 luminaire is a wall mounted cutoff luminaire for high intensity discharge or compact fluorescent lamps. Internal components are totally enclosed in a rain-tight, dust-tight and corrosion resistant housing. The housing, back plate and door frame are die cast aluminum. A choice of three (3) optical systems is available. Luminaires are suitable for wet locations (damp locations if inverted).

HOUSING: Housings are die cast aluminum. A memory retentive gasket seals the housing to the door frame to exclude moisture, dust, insects and pollutants from the optical system. A black, die cast ribbed backplate dissipates heat for longer lamp and ballast life.

DOOR FRAME: A single-piece die cast aluminum door frame integrates to the housing form. The door frame is hinged closed and secured to the housing with two (2) captive stainless steel fasteners. The heat and impact resistant 1/8 (.32cm) tempered glass lens and one-piece gasket are mechanically secured to the door frame with four (4) galvanized steel retainers.

OPTICAL SYSTEMS: Reflectors are composed of specular extruded and faceted components, electropolished, anodized and sealed. Reflector segments are set in arc tube image duplicating patterns to achieve the wide throw, forward throw or medium throw downlight distributions.

ELECTRICAL:

STANDARD LUMINAIRES: Each high power factor HID core and coil ballast is the separate component type. All HID ballasts are capable of providing reliable lamp starting down to -20°F/-29°C. Standard fluorescent units have a starting temperature of 0°F/-18°C. Standard fluorescent ballasts are high power factor electronic solid state. Component-to-component wiring within the luminaire will carry no more than 80% of rated current and is listed by UL for use at 600 VAC at 150°C or higher. Plug disconnects are listed by UL for use at 600 VAC, 15A or higher.

LUMINAIRES with Q924 / G12V / QMR20 / QMR35 OPTIONS: Luminaires with the Q924 option require a separate source of 120V power (by others.) Luminaires with Q12V, Q20MR or Q35MR options require a separate source of 12V power (by others.)

EMERGENCY LUMINAIRES: All emergency luminaires feature an indicator light visible through the lens and a test switch accessible through the door assembly. Minimum battery pack ambient temperatures are as indicated in the 101 Emergency Sconce Table. In the event of a power interruption, emergency luminaires will power compact fluorescent lamps as indicated in the 101 Emergency Sconce Table at reduced light levels for a minimum of 90 minutes.

EMR LUMINAIRES include a 7.5'/2.29m, 12 wire, quick disconnect assembly for wiring through conduit (by others) to a B84CG or ICE420 fluorescent emergency battery pack. *The fluorescent emergency battery pack MUST be supplied by Gardco. The B84CG option or the ICE420 option required on the order to the factory.*

CAUTION: Maximum battery pack input power for EMR units with ICE420 option is 100 watts (.83 amps) when heating element is on. This is in addition to the normal input power for luminaire lamps and ballast.

101 Emergency Sconce Table¹¹

101 Emergency Luminaire	Battery Pack Min. Ambient Temperature	Lamps Powered in Emergency Mode
101EM (Integral)	32°F / 0°C	(1) 26, (1) 32, or (1) 42 Watt Compact Fluorescent Lamp
101EMC (Integral)	-4°F / -20°C	
101EMR (Remote) with B84CG Option	32° F/ 0°C	(2) 26, or (2) 32 Watt Compact Fluorescent Lamps
101EMR (Remote) with ICE420 Option ¹²	0°F / -18°C	

Notes:

11. See *Gardco Emergency Light Output Information* (79115-155) for emergency lumen output data.

12. CAUTION: Maximum battery pack input power for EMR units with ICE420 option is 100 watts (.83 amps) when heating element is on. This is in addition to the normal input power for luminaire lamps and ballast.

LAMPHOLDER: Pulse rated medium base sockets are glazed porcelain with nickel plated screw shell. Fluorescent sockets are high temperature (PBT) with brass contacts.

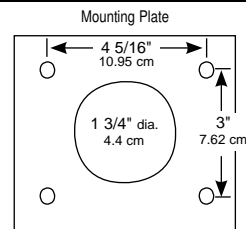
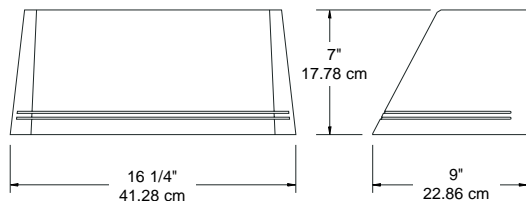
FINISH: Each standard color luminaire receives a fade and abrasion resistant, electrostatically applied, thermally cured, triglycidyl isocyanurate (TGIC) textured polyester powdercoat finish. Standard colors are as listed. Consult factory for specs on custom colors.

LABELS: All luminaires bear UL or CUL (where applicable) labels, except as noted. Lens down application is Wet Location and lens up is Damp Location. Emergency luminaires do not bear CUL label.

FULL CUTOFF PERFORMANCE: Full cutoff performance means a luminaire distribution where zero candela intensity occurs at an angle of 90° above nadir. Additionally, the candela per 1000 lamp lumens does not numerically exceed 100 (10 percent) at a vertical angle of 80° above nadir. This applies to all lateral angles around the luminaire.

CUTOFF PERFORMANCE: Cutoff performance means a luminaire distribution where the candela per 1000 lamp lumens does not numerically exceed 25 (2.5 percent) at an angle at or above 90° above nadir, and 100 (10 percent) at a vertical angle of 80° above nadir. This applies to all lateral angles around the luminaire.

DIMENSIONS



Note: Mounting plate center is located in the center of the luminaire width and 3.5"(8.89cm) above the luminaire bottom (lens down position). Splices must be made in the J-box (by others). Mounting plate must be secured by max. 5/16" (.79cm) diameter bolts (by others) structurally to the wall.

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