

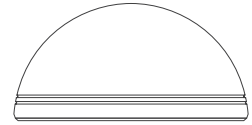
Notes:

Job:

Type:

# 100 LINE

## 106 QUARTER SPHERE SCONCE



**GENERAL DESCRIPTION:** The Gardco 106 Quarter Sphere high performance sconces offer an excellent alternative to unsightly wall mounted fixtures. These architecturally refined luminaires are designed to integrate naturally to wall surfaces. The 106 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 sources up to 42 watt. Housings are sealed throughout, completely excluding moisture, dust, insects and contaminants.

**CUTOFF PERFORMANCE:** 106 luminaires installed in the normal downlight position, with a flat glass lens, provide full cutoff performance.

### ORDER

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

- 106** Quarter Sphere  
**106EM** Emergency Sconce  
**106EMR** 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 - 106

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

CONFIGURATION CHART - 106EM

	Distribution			Voltage					
	FT	WT	MT	120	208	240	277	347	480
<i>Fluorescent</i>									
226QF <sup>2</sup>			•	•			•		
32TRF			•	•			•		
42TRF			•	•			•		

CONFIGURATION CHART - 106EMR

	Distribution			Voltage					
	FT	WT	MT	120	208	240	277	347	480
<i>Fluorescent</i>									
226QF <sup>2</sup>			•	•			•		
32TRF			•	•			•		
42TRF			•	•			•		

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 QF - Quad Fluorescent

TRF - Triple Tube Fluorescent

- Fluorescent and CMHE luminaires feature electronic ballasts that accept 120V through 277V, 50hz to 60hz, input. Specify "UNIV" voltage for 120V through 277V.
- One (1) lamp is powered in emergency mode.

### FINISH

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

### OPTIONS

- F** Fusing *120V through 277V only.*  
**PCB** Button Type Photocontrol *n/a w/480V.*  
**QS<sup>3</sup>** Quartz Standby  
**QST<sup>3</sup>** Quartz Standby - Timed Delay  
*3. HID only, N/A with CMHE Ballasts, FT Optics or in 480V. 100w Quartz max.*  
**Q924<sup>4</sup>** Quartz Emergency  
**Q12V<sup>4</sup>** Quartz 12V Emergency  
*4. WT Optic only. 150w HID maximum. 100w Quartz maximum.*  
**SL** Solite<sup>®</sup> Diffusing Lens  
**UT** 5° Uptilt  
**WS** Wall Mounted Box for Surface Conduit *Rear entry permitted.*  
**WS/UT** WS Option w/5° Uptilt *Rear entry permitted.*  
**WG** Wire Guard  
**EMR Luminaires Only:**  
**B84CG** Bodine Emergency Battery Pack  
*Emergency Battery Packs for EMR types MUST be ordered with luminaires and supplied by Gardco.*

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A Genlyte Company

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79115-104/0907

# 100 LINE

## 106 QUARTER SPHERE SCONCE

### SPECIFICATIONS

**GENERAL:** Each Gardco 106 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:** Single-piece quarter-sphere housings are die cast aluminum. A memory retentive gasket seals the housing with the doorframe 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, 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 302°F/150°C or higher. Plug disconnects are listed by UL for use at 600 VAC, 15A or higher.

Standard fluorescent units have a starting temperature of 0°F/-18°C. Standard fluorescent ballasts are high power factor electronic solid state.

**EM Luminaires:** In the event of power interruption, integral battery pack will power (1) 42W, (1) 32W or (1) 26W compact fluorescent lamp at reduced light levels for a minimum of 90 minutes. Maintenance free battery is rated for ambient temperatures down to 32°F/0°C (EM). Indicator light is visible through the lens. A test switch is accessible through the door assembly. EM units do not bear CUL label.

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

In the event of power interruption, the B84CG remote battery pack will power (1) 42W, (1) 32W or (1) 26W compact fluorescent lamp at reduced light levels for a minimum of 90 minutes. Maintenance free battery is rated for ambient temperatures down to 32°F/0°C. Minimum luminaire starting temperature is 0°F/-18°C. Indicator light is visible through the lens. A test switch is accessible through the door assembly. NOTE: B84CG does not bear CUL label.

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

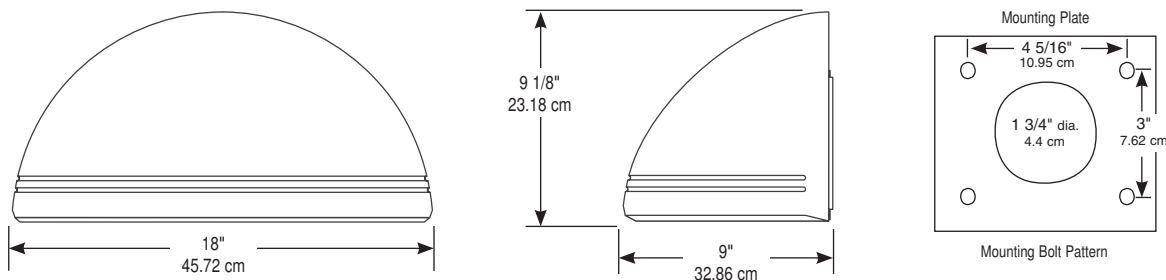
**FINISH:** Each standard color luminaire receives a fade and abrasion resistant, electrostatically applied, thermally cured, triglycidal isocyanurate (TGIC) textured polyester powdercoat finish. Standard colors include bronze (BRP), black (BLP), white (WP), natural aluminum (NP) and beige (BGP). Consult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

**LABELS:** All luminaires bear UL or CUL (where applicable) labels, except as noted. Lens down application is Wet Location and lens up is Damp Location, except when using the optional inverted Wet Location components.

**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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