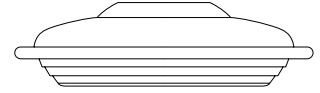


Job:  
 Type:  
 Notes:

# I00 Line

## I08 Circa Sconce

The Gardco I08 Circa high performance sconces offer an excellent alternative to unsightly wall mounted fixtures. These architecturally refined luminaires mirror the styling of the popular Gardco Circa luminaire and are designed to integrate naturally to wall surfaces. The I08 luminaires are available with three (3) different distribution patterns. Each luminaire is designed to accept HID sources up to 175MH, and Compact Fluorescent up to (2) 42 watt. The I08 may be ordered with a decorative acrylic rod shaped to follow the contour of the luminaire illuminated at each end by light emitting diode (LED) illuminator assemblies in your choice of five (5) colors. I08 luminaires (without LED ring) installed in the normal downlight position, with a flat glass lens, provide full cutoff performance.



<b>PREFIX</b>	<b>DISTRIBUTION</b>	<b>WATTAGE</b>	<b>VOLTAGE</b>	<b>FINISH</b>	<b>RING</b>	<b>OPTIONS</b>

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

- I08** Circa Sconce
- I08EM** Emergency Sconce
- I08EMR** Remote Emergency Sconce

### DISTRIBUTION

- FT** Forward Throw *Not Available with Fluorescent lamps.*
- WT** Wide Throw *Not Available with Fluorescent lamps.*
- MT** Medium Throw

Refer to configuration chart below for available combinations.

### WATTAGE AND VOLTAGE

LAMP / VOLTAGE CHART - I08

HID*	Voltage					
	120	208	240	277	347	480
50MH	•			•		
70MH	•	•	•	•	•	
100MH	•	•	•	•	•	•
150MH	•	•	•	•	•	
175MH**	•	•	•	•	•	•
50CMHE <sup>1,2</sup>	UNIV					
70CMHE <sup>1,2</sup>	UNIV					
100CMHE <sup>1,2</sup>	UNIV					
35HPS	•					
50HPS	•			•		
70HPS	•	•	•	•	•	•
100HPS	•	•	•	•	•	•
150HPS	•	•	•	•	•	•
Fluorescent <sup>1,2</sup>						
26QF <sup>1,2</sup>	UNIV			•		
226QF <sup>1,2</sup>	UNIV			•		
32TRF <sup>1,2</sup>	UNIV			•		
232TRF <sup>1,2</sup>	UNIV			•		
42TRF <sup>1,2</sup>	UNIV			•		
242TRF <sup>1,2</sup>	UNIV			•		

\* MH, CMHE and HPS types require medium based E17 lamps. All MH 150W and below are pulse start by design, including CMHE types.

\*\* 175MH not available for sale in the United States.

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

Combinations marked with a dot, shown with "UNIV" or "200-277" are available for ordering.

CONFIGURATION CHART - I08EM<sup>6</sup>

Fluorescent	Distribution			Voltage					
	FT	WT	MT	120	208	240	277	347	480
226QF <sup>3</sup>			•	•			•		
32TRF			•	•			•		
42TRF			•	•			•		

CONFIGURATION CHART - I08EMR<sup>6</sup>

Fluorescent <sup>2</sup>	Distribution			Voltage					
	FT	WT	MT	120	208	240	277	347	480
226QF <sup>3,4,5</sup>			•	•			•		
32TRF			•	•			•		
232TRF <sup>3,4,5</sup>			•	•			•		
42TRF			•	•			•		
242TRF <sup>3,5</sup>			•	•			•		

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. Fluorescent or CMHE units ordered with the LED Ring require 120V power.
3. One (1) lamp is powered in emergency mode with EM or EMR with B84CG option.
4. Available with ICE420 option, which powers two (2) lamps in emergency mode. ICE420 option only available with 226QF or 232TRF. 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. Available with I162 option, which powers two (2) lamps in emergency mode. Lamps are wired in parallel. In emergency mode, should one lamp become inoperable, the remaining lamp will operate with a minimum total initial output of 2,250 lumens.
6. Refer to "I08 Emergency Sconce Table" on page 3 for additional information.

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**PHILIPS**



### FINISH

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

### RING

<b>AR</b>	Aluminum Ring
	<i>Painted to Match Housing</i>
<b>SR</b>	Stainless Steel Ring <i>Brushed</i>
<b>OR</b>	Optional Color Ring
<b>LR</b>	Less Ring

### LED Rings<sup>2</sup>

<b>LER</b>	Red
<b>LEO</b>	Orange
<b>LEA</b>	Amber
<b>LEG</b>	Green
<b>LEB</b>	Blue

### OPTIONS

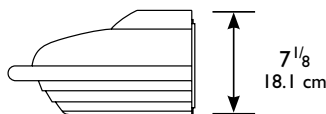
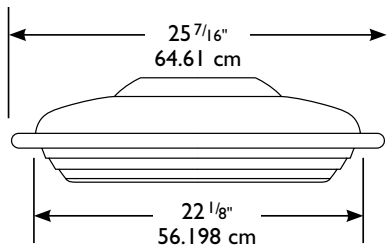
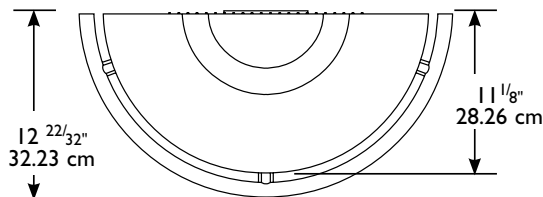
<b>F<sup>7</sup></b>	Fusing	<b>UT</b>	5° Uptilt
<b>PCB<sup>8</sup></b>	Button Type Photocontrol	<b>WS<sup>12</sup></b>	Wall Mounted Box for Surface Conduit
<b>QS<sup>9</sup></b>	Quartz Standby	<b>WS/UT<sup>12</sup></b>	WS Option w/5° Uptilt
<b>QST<sup>10</sup></b>	Quartz Standby - Timed Delay	<b>WG</b>	Wire Guard
<b>Q924<sup>10</sup></b>	Quartz Emergency		
<b>QT924<sup>10</sup></b>	Quartz Emergency - Timed Delay		
<b>Q12V<sup>10,17</sup></b>	Quartz 12V Emergency		
<b>Q20MR<sup>11,17</sup></b>	(2)MR16 12V Emergency - 20 Watt		
<b>Q35MR<sup>11,17</sup></b>	(2)MR16 12V Emergency - 35 Watt		
<b>ELED<sup>16,17</sup></b>	(2)LED 12V Emergency Modules - 6.2 Watt		
<b>SL</b>	Solite® Diffusing Lens		

### EMR LUMINAIRES ONLY<sup>13</sup>

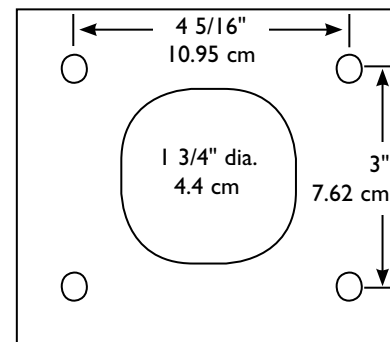
<b>B84CG</b>	Bodine Remote Emergency Pack
<b>ICE420<sup>14</sup></b>	IOTA Remote Emergency Battery Pack 226QF / 232TRF only.
<b>1162<sup>15</sup></b>	IOTA Remote Emergency Battery Pack 226QF / 232TRF / 242TRF only.

2. Fluorescent or CMHE units ordered with the LED Ring require 120V power.
7. 120V through 277V only.
8. Not available with 480V.
9. HID only, Not available with CMHE Ballasts, FT Optics or in 480V. 100 watt Quartz maximum.
10. WT Optic only. 150w HID maximum, 100w Quartz maximum.
11. WT Optic only. 50CMHE or 70CMHE only. Supplied with two (2) 20W MR16 or two (2) 35W MR16 Flood (40° beam) lamps.
12. Rear entry permitted.
13. All Emergency Battery Packs for EMR types MUST be ordered with luminaires and supplied by Gardco.
14. 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.
15. Lamps are wired in parallel. In emergency mode, should one lamp become inoperable, the remaining lamp will operate with a minimum total initial output of 2,250 lumens.
16. WT Optic only. 50CMHE or 70CMHE only. Supplied with two (2) 6.2 watt, 300 lumen LED modules.
17. Requires a separate source of 12V power by others.

### DIMENSIONS



Mounting Plate



Mounting Bolt Pattern

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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**GARDCO**

### SPECIFICATIONS

**GENERAL:** Each Gardco 108 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, capable of providing reliable lamp starting down to -20°F/-29°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 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.

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

**LUMINAIRES with Q924 / G12V / QMR20 / QMR35 / ELED OPTIONS:** Luminaires with the Q924 or QT924 options require a separate source of 120V power (by others.) Luminaires with Q12V, Q20MR, Q35MR or ELED 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 108 Emergency Sconce Table. In the event of a power interruption, emergency luminaires will power compact fluorescent lamps as indicated in the 108 Emergency Sconce Table at reduced light levels for a minimum of 90 minutes.

**EMR LUMINAIRES** include a 7.5'x2.29m, 12 wire, quick disconnect assembly for wiring through conduit (by others) to a B84CG, I162 or ICE420 fluorescent emergency battery pack. The fluorescent emergency battery pack **MUST** be supplied by Gardco. The B84CG option, the I162 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.

108 Emergency Luminaire	Battery Pack Min. Ambient Temperature	Lamps Powered in Emergency Mode
I08EM (Integral)	32° F / 0° C	(1) 26, (1) 32, or (1) 42 Watt Compact Fluorescent Lamp
I08EMR (Remote) with B84CG Option	32° F / 0° C	
I08EMR (Remote) with I162 Option <sup>19</sup>	32° F / 0° C	(2) 26, (2) 32 or (2) 42 Watt Compact Fluorescent Lamps
I08EMR (Remote) with ICE420 Option <sup>20</sup>	0° F / -18° C	(2) 26, or (2) 32 Watt Compact Fluorescent Lamps

**Notes:**

- 18. See *Gardco Emergency Light Output Information* (79115-155) for emergency lumen output data.
- 19. Lamps are wired in parallel. In emergency mode, should one lamp become inoperable, the remaining lamp will operate with a minimum total initial output of 2,250 lumens.
- 20. 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.

**LED RING (Optional):** The luminaire shall be provided with a decorative acrylic rod shaped to follow contour of luminaire illuminated at each end by light emitting diode (LED) illuminator assemblies.

The rod will have reflective coating causing an even brightness along its length resembling luminous tube lighting. There shall be no breaks, discrete spots, or other discontinuities visible at intended viewing angles.

The method of rod attachment to luminaire shall allow for thermal expansion and contraction from -70°F/-57°C to +120°F/49°C without causing damage to the assembly. The illuminator assembly at each end shall consist of a polycarbonate thermoplastic housing which encloses LEDs.

Illuminators are energized by a solid state constant current power supply. Primary wavelengths for the available colors shall be: Red - 626-635 nm; Orange - 605-609 nm; Amber - 590-592 nm; Green - 520-525 nm; Blue - 465-470 nm. Fluorescent or CMHE units ordered with the LED Ring require 120V Power.

**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 (WVP), 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. Emergency luminaires do not bear CUL label.

**WARRANTY:** Gardco luminaires feature a 5 year limited warranty. See Warranty Information on [www.sitelighting.com](http://www.sitelighting.com) for complete details and exclusions. Polycarbonate lenses carry a 1 year warranty only.

**FULL CUTOFF PERFORMANCE:** Full cutoff performance means a luminaire distribution where zero candela intensity occurs at an angle at or above 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.

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