

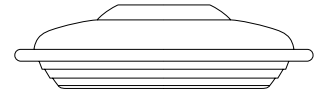
Notes:

Job:

Type:

100 LINE

108 CIRCA SCONCE



GENERAL DESCRIPTION: The Gardco 108 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 108 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 108 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.

CUTOFF PERFORMANCE: 108 luminaires (without LED ring) installed in the normal downlight position, with a flat glass lens, provide full cutoff performance.

ORDERING

PREFIX	DISTRIBUTION	WATTAGE	VOLTAGE	FINISH	RING	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

108 Circa Sconce
108EM Emergency Sconce
108EMR 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 - 108

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 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.
- Fluorescent or CMHE units ordered with the LED Ring require 120V power.
- One (1) lamp is powered in emergency mode.

CONFIGURATION CHART - 108EM

Fluorescent	Distribution			Voltage					
	FT	WT	MT	120	208	240	277	347	480
226QF ³			●	●			●		
32TRF			●	●			●		
42TRF			●	●			●		

CONFIGURATION CHART - 108EMR

Fluorescent	Distribution			Voltage					
	FT	WT	MT	120	208	240	277	347	480
226QF ³			●	●			●		
32TRF			●	●			●		
232TRF ³			●	●			●		
42TRF			●	●			●		
242TRF ³			●	●			●		

OPTIONS

F Fusing 120V through 277V only.
PCB Button Type Photocontrol n/a w/480V.
QS³ Quartz Standby
QST³ Quartz Standby - Timed Delay
 3. HID only, N/A with CMHE Ballasts, FT Optics or in 480V. 100w Quartz max.
Q924⁴ Quartz Emergency
Q12V⁴ Quartz 12V Emergency
 4. WT Optic only. 150w HID maximum. 100w Quartz maximum.
SL Solite® 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 Remote Emergency Pack
 Emergency Battery Packs for EMR types MUST be ordered with luminaires and supplied by Gardco.

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.

RING

AR Aluminum Ring **LED Rings²**
 Painted to Match Housing. **LER** Red
SR Stainless Steel Ring **LEO** Orange
 Brushed. **LEA** Amber
OR Optional Color Ring **LEG** Green
LR Less Ring **LEB** Blue
 2. Fluorescent or CMHE units ordered with the LED Ring require 120V Power.

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A Genlyte Company

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79115-119/0907

100 LINE

108 CIRCA SCONCE

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. 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: B30 and B84CG do 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.

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.

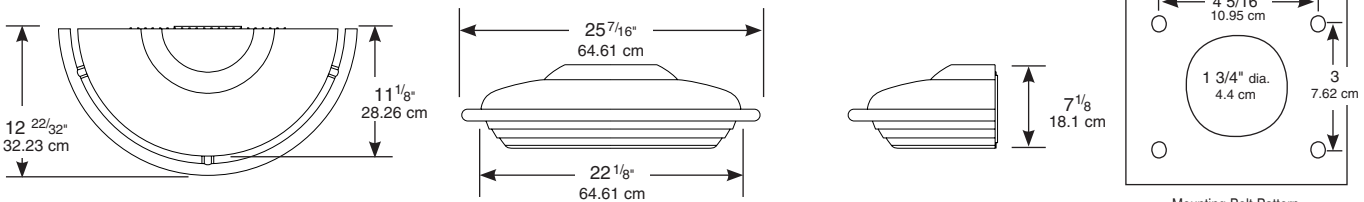
FINISH: Each standard color luminaire receives a fade and abrasion resistant, electrostatically applied, thermally cured, triglycidal isocyanurate (TGIC) textured polyester powdercoat finish. Standard colors include bronze (BRP), black (BLP), white (WP), natural aluminum (NP) and beige (BGP). Consult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