

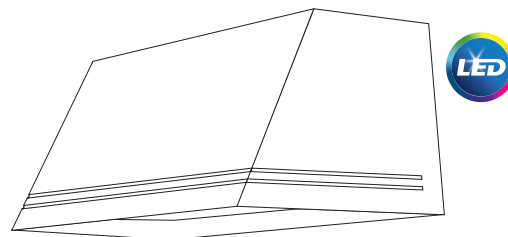


by Signify

Wall Mount

100 Line

101 Performance Sconce



The Gardco 101 trapezoidal wedge high performance sconce luminaires are designed to integrate naturally to wall surfaces. The 101 luminaires are available with three (3) different distribution patterns. Each luminaire is designed to accept HID sources up to 100MH, and Compact Fluorescent up to (2) 42W. Housings are sealed throughout, completely excluding moisture, dust, insects and contaminants.

Project:	
Location:	
Cat.No:	
Type:	
Lamps:	Qty:
Notes:	

Ordering Guide

example: 101FT50MH120BRPF

Prefix	Distribution	Wattage	Voltage	Finish	Options
101 Trapezoidal Wedge (Standard Luminaire) 101EM Emergency Sconce 101EMC Emergency Sconce, Cold Temperature 101EMR Remote Emergency Sconce ¹⁵ Refer to configuration chart below for available combinations.	FT Forward Throw <i>Not Available with Fluorescent or LPS sources</i> WT Wide Throw <i>Not Available with Fluorescent or LPS sources</i> MT Medium Throw	70MH** 100MH** 35HPS 50HPS 100HPS 150HPS 26QF¹ 226QF¹ 32TRF¹ 232TRF¹ 42TRF¹ 242TRF¹	120 208 240 277 347 480 UNIV	BRP Bronze Paint BLP Black Paint WP White Paint NP Natural Aluminum Paint BGP Beige Paint OC Optional Color Paint <i>Specify RAL designation ex: OC-RAL7024.</i> SC Special Color Paint <i>Specify. Must supply color chip.</i>	F⁷ Fusing PCB⁷ Button Type Photocontrol QS⁸ Quartz Standby QST⁸ Quartz Standby - Timed Delay Q924⁹ Quartz Emergency QT924⁹ Quartz Emergency - Timed Delay Q12V^{9,20} Quartz 12V Emergency 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 EMR LUMINAIRES ONLY¹⁵ B84CG Bodine Remote Emergency Pack ICE420¹⁶ IOTA Remote Emergency Battery Pack 226QF / 232TRF only 1162¹⁷ IOTA Remote Emergency Battery Pack 226QF / 232TRF / 242TRF on

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.

- Fluorescent luminaires feature electronic ballasts that accept 120V through 277V, 50hz to 60hz, input. Specify "UNIV" voltage for 120V through 277V.
- Not available with 480V. Specify voltage.
- HID only. Not available with FT Optics or in 480V/100 watt Quartz maximum.
- WT Optic only. 150w HID maximum, 100w Quartz maximum.(provided by others)
- Not available with WG or POLY options. Not available with EM, EMC or EMR types.
- Rear entry permitted.
- All Emergency Battery Packs for EMR types MUST be ordered with luminaires and supplied by Gardco.
- 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.
- 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.
- Requires a separate source of 12V power by others.

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Lamp/Voltage Chart – 101

Voltage:	120	208	240	277	347	480
HID*						
70MH**	▲	▲	▲	▲	▲	
100MH**	▲	▲	▲	▲	▲	
35HPS	▲					
50HPS	▲			▲		
100HPS	▲	▲	▲	▲	▲	▲
150HPS	▲	▲	▲	▲	▲	
226QF ¹	UNIV					
32TRF ¹	UNIV					
232TRF ¹	UNIV					
42TRF ¹	UNIV					
242TRF ¹	UNIV					
* MH and HPS types require medium based E17 lamps.						
** All MH are pulse start by design.						

Lamp/Voltage Chart – 101EM OR 101EMC⁵

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

Lamp/Voltage Chart – 101EMR⁵

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

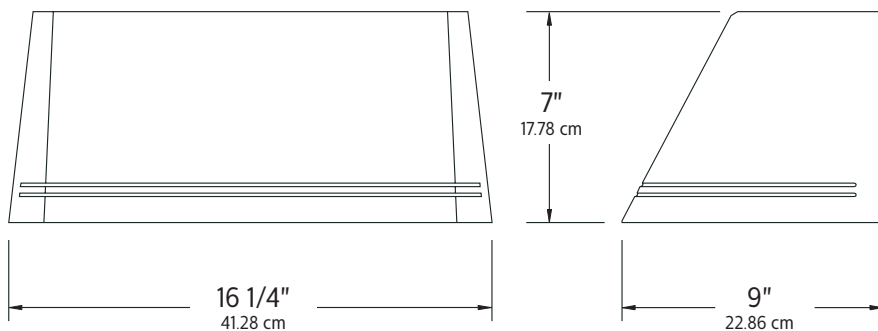
MH - Metal Halide CMHE - Ceramic Metal Halide with Electronic Ballast HPS - High Pressure Sodium TRF - Triple Tube Fluorescent QF - Quad Fluorescent

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

- Fluorescent 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 with EM, EMC and EMR types with the B84CG option.
- 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.
- 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.
- Refer to "101 Emergency Sconce Table" on page 3 for additional information.

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Dimensions



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.

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 FOR USE OUTSIDE NORTH AMERICA

Gardco has capability to provide luminaires meeting requirements world wide. Consult the factory for specifications for projects outside North America.

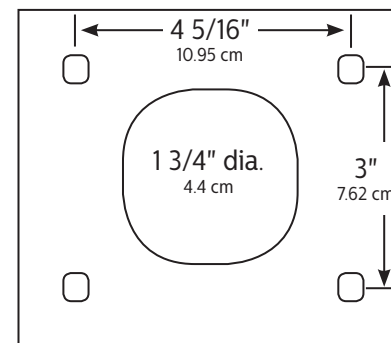
LUMINAIRES WITH Q924 / Q12V OPTIONS:

Luminaires with the Q924 option require a separate source of 120V power (by others.) Luminaires with Q12V, Q20MR, options require a separate source of 12V power (by others.)

EMERGENCY LUMINAIRES

All emergency luminaires feature an indicator light visible through the lens and

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.

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, 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 is 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

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Specifications (cont'd)

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, triglycidal 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.

WARRANTY

5 year limited warranty. See signify.com/warranties for complete details and exclusions.

101 Emergency Sconce Table²¹

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, (2) 32, or (2) 42 Watt Compact Fluorescent Lamps
101EMR (Remote) with I162 Option ²²	32° F/ 0°C	(2) 26, or (2) 32 Watt Compact Fluorescent Lamps
101EMR (Remote) with ICE420 Option ²³	0°F / -18°C	(2) 26, or (2) 32 Watt Compact Fluorescent Lamps
<small>21. See Gardco Emergency Light Output Information (79115-155) for emergency lumen output data. 22. 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. 23. 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 .</small>		

