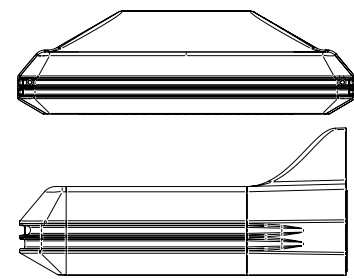


Wall Sconce

120 Line LED

122 SlenderForm Sconce
Including Motion Response



Gardco 122 SlenderForm high performance LED sconces are designed to integrate naturally to wall surfaces while providing the distinct SlenderForm look. Available with three (3) different distribution patterns, 122 LED sconces provide full cutoff performance (in the normal downlight position.) Luminaires feature advanced LED thermal management technology. High performance Class 1 LED systems offer potential energy savings of 50 % or more compared to HID systems. 122 LED luminaires are also available with Automatic Profile Dimming, automatically increasing savings by an additional 33%, and with Motion Response for maximized energy savings.

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

Ordering Guide

example: 122-CWL235LACW120BRPF

| Prefix | Distribution | LED Wattage | LED Selection | Voltage | Finish | Options |
|----------------------------|--|---|---|--|--|--|
| 122-CWL | SlenderForm LED Sconce - Constant Wattage / Full Light Output | 35LA 55LA 75LA | CW Cool White - 5700°K - 75 CRI NW Neutral White - 4000°K - 70 CRI WW Warm White - 3000°K - 80 CRI | 120 208 240 277 347 480 UNIV 120V through 277V, 50hz or 60hz HVU 347V through 480V, 50hz or 60hz (Available in 122CWL - 75LA only.) | BRP Bronze Paint BLP Black Paint WP White Paint NP Natural Aluminum Paint BGP Beige Paint OC Optional Color Paint Specify RAL designation ex: OC-RAL7024. SC Special Color Paint Specify. Must supply color chip. | F⁴ Fusing PCB^{4,5} Button Type Photocontrol DL Diffusing Lens (reduces performance significantly) WS⁶ Wall Mounted Box for Surface Conduit |
| 122-DIM¹ | SlenderForm LED Sconce - 0 - 10V Dimming (Control system by others.) | | | | | |
| 122-APD¹ | SlenderForm LED Sconce with Automatic Profile Dimming | | | | | |
| 122-MR¹ | SlenderForm LED Sconce with Motion Response | | | | | |

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.

1. Available 120V through 277V (UNIV) only. See page 3 for more detailed luminaire configuration information.
4. Specify input voltage.
5. Not Available in 480V.
6. Rear entry permitted.

120 Line LED 122 SlenderForm Sconce Including Motion Response

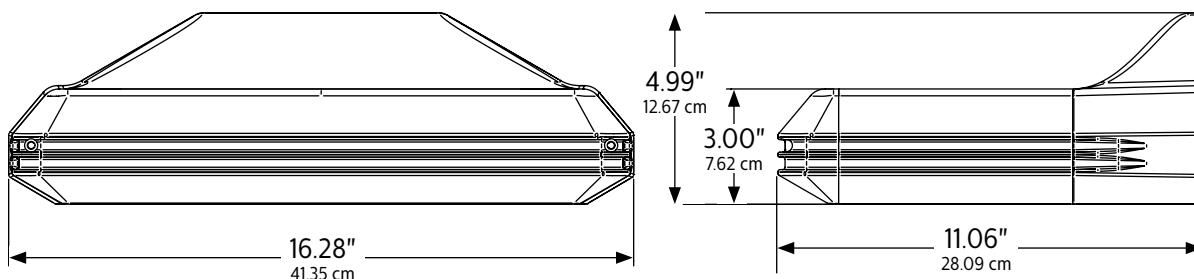
LED Wattage and Lumen Values

| Ordering Code | Average System Watts ² | LED Current (mA) | LED Selection | Luminaire Initial Absolute Lumens ³ | | |
|---------------|-----------------------------------|------------------|---------------|--|--------|--------|
| | | | | Type 2 | Type 3 | Type 4 |
| 35LA | 33 | 350 | NW | 3,664 | 3,736 | 3,523 |
| 55LA | 50 | 530 | NW | 5,587 | 5,685 | 5,365 |
| 75LA | 70 | 700 | NW | 6,199 | 6,538 | 6,296 |

2. Wattage may vary by +/- 8% due to LED manufacturer forward volt specification and ambient temperature. Wattage shown is average for 120V through 277V input. Actual wattage may vary by an additional +/- 10% due to actual input voltage.

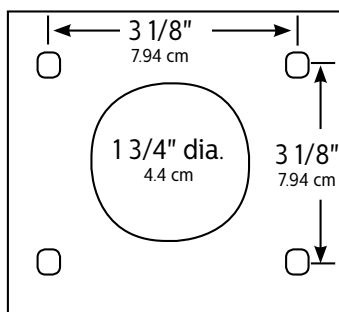
3. Tests are in process for luminaires with the DL option, CW and WW luminaires. Contact OutdoorLighting.applications@philips.com if any approximate estimates are required for design purposes. Lumen values based on tests performed in compliance with IESNA LM-79.

Dimensions



Approximate Luminaire Weight: 18 lbs (8.17 kg)

Mounting Plate



Mounting Bolt Pattern

Note: Mounting plate center is located in the center of the luminaire width. 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.

120 Line LED 122 SlenderForm Sconce Including Motion Response

Luminaire Configuration Information

122-CWL

Gardco performance LED sconce providing constant wattage and constant light output when power to the luminaire is energized.

122-DIM

Gardco performance LED sconce provided with 0 -10V dimming for connection to a control system provided by others.

122-APD

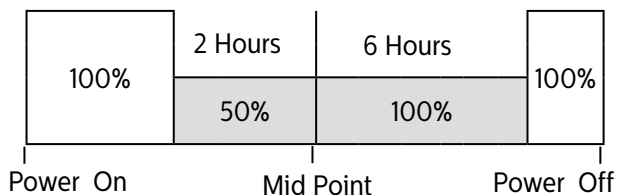
Gardco performance LED sconces with Automatic Profile Dimming are provided with a programmed LED Driver included. The LED driver is factory programmed to go to 50% power, 50% light output two (2) hours prior to night time mid-point and remain at 50% for six (6) hours after night time mid-point. Mid-point is continuously calculated by the LED driver based on the average mid-point of the last two full night cycles. Short duration cycles, and power interruptions are ignored and do not affect the determination of mid-point. See APD Dimming Profile below.

122-MR

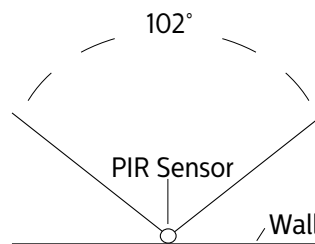
122 LED sconce including a passive infrared (PIR) motion sensor capable of detecting motion within 30 feet of the 121 LED Sconce. The PIR sensor is mounted in the center of the luminaire, near the wall edge of the door frame, approximately 1.5" forward from the wall, and is less than .75" in diameter. When no motion is detected for 5 minutes, the Motion Response system reduces the power and light output by 75%, to 25%. When motion is detected by the PIR, the luminaire returns to full wattage and full light output. The PIR sensor is capable of motion detection

across a total angle of 102° from the center of the sensor (51° to either side of center.) The sensor may be adjusted directionally to maximize detection of motion to one side of the luminaire if desired based on site traffic patterns. PIR sensor provided is the Panasonic EKMB1203112. If the PIR sensor fails, the luminaire will operate in default-high mode. Motion sensors utilized consume 0.0 watts in the off state. See the Sensor Coverage Pattern below.

APD Dimming Profile



Sensor Coverage Pattern



120 Line LED 122 SlenderForm Sconce Including Motion Response

Specifications

GENERAL

Gardco 122 SlenderForm high performance LED sconces are designed to integrate naturally to wall surfaces while providing the distinct SlenderForm look. Available with three (3) different distribution patterns, 122 LED sconces provide full cutoff performance (in the normal downlight position.) Luminaires feature advanced LED thermal management technology. High performance Class 1 LED systems offer potential energy savings of 50% or more compared to HID systems. Surge protector standard. 10KA per AN SI/IEEE C62.41.2.

THERMAL MANAGEMENT

Gardco 122 LED luminaires utilize integral aluminum thermal radiation fins to

provide the excellent thermal management so critical to long LED system life.

LED RELIABILITY

(Refer to Predicted Lumen Depreciation Data Chart below)

OPTICAL SYSTEMS

Gardco 122 LED luminaires utilize LED arrays set to achieve IES Type II, Type III, and Type IV distributions. Individual LED arrays are replaceable. Luminaires feature high performance Class 1 LED systems.

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 system 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 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 galvanized steel retainers.

IP RATING

Luminaires are rated IP66.

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. Lens down application is Wet Location and lens up is Damp Location.

WARRANTY

Gardco LED luminaires feature a 5 year limited warranty, including a 5 year limited warranty covering the LED arrays and LED drivers. See Warranty Information on www.sitelighting.com for complete details and exclusions. Polycarbonate lenses carry a 1 year warranty only.

Predicted Lumen Depreciation Data

| Ambient Temperature °C | LED Wattage Driver mA | L ₇₀ Hours ⁸ |
|------------------------|-----------------------|------------------------------------|
| 25 °C | 35LA / 350 mA | 180,000 |
| | 55LA / 530 mA | 125,000 |
| | 75LA / 700 mA | 90,000 |
| 40 °C | 35LA / 350 mA | 175,000 |
| | 55LA / 530 mA | 120,000 |
| | 75LA / 700 mA | 85,000 |

8. Predicted performance derived from LED manufacturer's data and engineering design estimates, based on tests performed using IESNA LM-80 methodology. Actual experience may vary due to field application conditions. L₇₀ is the predicted time when LED performance depreciates to 70% of initial lumen output.

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.

