



Philips Gardco 111 LED mini scone luminaires are compact in size, perfect for low mounting height wall mount applications. 111 LED luminaires are designed to integrate naturally to wall surfaces. 111 LED luminaires are available with three (3) different distribution patterns, providing full cutoff performance (in the normal downlight position) and featuring LED arrays. Luminaires provide performance excellence and advanced Philips Gardco LED thermal management technology. High performance Class 1 LED systems offer potential energy savings of 50 % or more compared to HID systems. 111 LED luminaires are also available with 0-10V Dimming.

Project: \_\_\_\_\_

Location: \_\_\_\_\_

Cat.No: \_\_\_\_\_

Type: \_\_\_\_\_

Lamps: \_\_\_\_\_ Qty: \_\_\_\_\_

Notes: \_\_\_\_\_

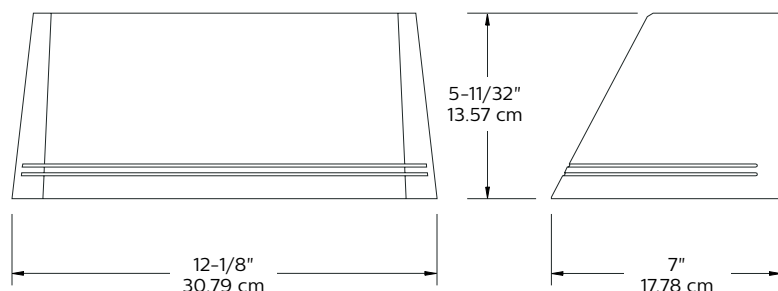
## Ordering guide

example: 111L-16L-350-CW-G2-2-UNV-DD-BK

Prefix	No. of LEDs	Drive Current	Color / Generation	Distribution	Voltage	Controls	Electrical/Luminaire	Finish
<b>111L</b>	<b>16</b>							
<b>111L</b> Trapezoidal Wedge LED	<b>16L</b> 16 LED module	<b>350</b> 350mA <b>550</b> 550mA <b>750</b> 750mA	<b>CW-G2</b> Cool White 5700K, 70 CRI generation 2  <b>NW-G2</b> Neutral White 4000K, 70 CRI generation 2  <b>WW-G2</b> Warm White 3000K, 70 CRI generation 2	<b>2</b> Type II Wide Throw Optic, with maximized lateral throw  <b>3</b> Type III Preferred Wide Throw Optic, with improved forward throw  <b>4</b> Type IV Maximized forward throw optic	<b>UNV</b> 120-277V 50hz/ 60hz  <b>120</b> 120V <b>208</b> 208V <b>240</b> 240V <b>277</b> 277V	<b>PCB</b> Photocontrol Button?  <b>DD</b> 0-10V Dimming	<b>F1</b> Single fusing (120, 277VAC) <sup>1</sup>  <b>F2</b> Double fusing (208, 240VAC) <sup>1</sup>  <b>F3</b> Canadian double pull fusing (208, 240VAC) <sup>1</sup>  <b>DL</b> Diffusing Lens  <b>WS</b> Wall Mounted Box for Surface Conduit	<b>Textured</b>  <b>BK</b> Black  <b>WH</b> White  <b>BZ</b> Bronze  <b>DGY</b> Dark Grey  <b>MGY</b> Medium Grey  <b>Customer specified</b>  <b>RAL</b> Specify optional color or RAL (ex: OC-LGP or OC-RAL7024)  <b>CC</b> Custom color (must supply color chip for required factory quote)

1. Provide specific input voltage.

## Dimensions



Note: Mounting plate center is located in the center of the luminaire width and 2.38" (6.03cm) above the luminaire bottom (lens down position). Splices must be made in the J-box (by others). Mounting plate must be secured by max. 1/4" (.64cm) diameter bolts (by others) structurally to the wall.

# 111 Mini Sconce LED

## 110 Line LED, Wall Mount

### LED Wattage and Lumen Values

Ordering Code	Total LEDs	LED Current (mA)	Avg System Wattage <sup>1</sup> (W)	Type 2			Type 3			Type 4		
				Lumen Output <sup>2</sup>	Bug Rating	Efficacy (LPW)	Lumen Output <sup>2</sup>	Bug Rating	Efficacy (LPW)	Lumen Output <sup>2</sup>	Bug Rating	Efficacy (LPW)
111L-16L-350-NW-G2	16	350	18	1908	B1-U0-G0	106	1799	B0-U0-G0	100	1768	B0-U0-G0	98
111L-16L-550-NW-G2	16	550	29	2900	B1-U0-G0	101	2735	B1-U0-G1	95	2688	B1-U0-G1	93
111L-16L-750-NW-G2	16	750	40	3807	B1-U0-G1	95	3591	B1-U0-G1	90	3529	B1-U0-G1	88

1. Wattage and lumen output 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.
2. Tests available for luminaires with the DL option and other color temperatures. Contact [outdoorlightingapplications@philips.com](mailto:outdoorlightingapplications@philips.com) if any approximate estimates are required for design purposes.
3. Absolute lumens for Cool White (CW) matches the Neutral White (NW) lumen outputs. Warm White (WW) performance is reduced by 12% compared to Neutral White (NW) values shown.

### Specifications

#### 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. Main body cast housing and back plate made of a low copper die cast. Hinged door allows access to driver and LED compartment.

#### Mounting

Mounting is completed through integral back plate that features a separate recessed feature for hook and lock quick mount plate that secures with two set screws from bottom of luminaire. Luminaire ships fully assembled, ready to install.

#### Light Engine

Composed of 4 main components: Heat Sink/LED Module/Optical System/Driver. Electrical components are RoHS compliant. Metal core board ensures greater heat transfer and longer lifespan.

#### IP Rating

Luminaires are rated IP66.

#### Optical systems

The advanced LED optical systems provide IES Types 2, 3, 4. Composed of high performance UV stabilized optical grade polymer refractor lenses to achieve desired distribution optimized to get maximum spacing, target lumens and a superior lighting uniformity. Performance shall be tested per LM-63, LM-79 and TM-15 (IESNA) certifying its photometric performance. Dark sky compliant with 0% uplight and U0 per IESNA TM-15.

#### 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. A clear tempered glass lens is included. A diffuse lens is available as an option.

#### Thermal Management

Philips Gardco 111 LED luminaires utilize extruded aluminum integral thermal radiation fins to provide excellent thermal management critical to long LED system life.

#### Finish

Five standard colors offered in textured black, white, bronze, dark gray and medium gray. Color in accordance with the AAMA 2604 standard. Application of polyester powder coat paint 2.5 mils minimum. The thermosetting resins provides a discoloration resistant finish in accordance with the ASTM D2244 standard, as well as luster retention in keeping with the ASTM D523 standard and humidity proof in accordance with the ASTM D2247 standard. RAL and custom color matching available.

#### LED Useful Life

Luminaire Useful Life accounts for LED lumen maintenance. Refer to IES files for energy consumption and delivered lumens for each option. Based on ISTMT in situ thermal testing in accordance with UL1598 and UL8750, LED LM-80/TM-21, expected to reach 100,000+ hours with >L70 lumen maintenance @ 25°C.

#### Certifications and Compliance

cULus Listed for Canada and USA suitable for wet locations when mounted downward facing. cULus Listed for Canada and USA suitable for damp locations when inverted upward facing when mounted in covered ceiling application. DesignLights Consortium qualified on models as listed on DLC QPL. Luminaire is rated for operation in ambient temperature of -40°C (-40°F) up to +40°C (+104°F).

#### Limited Warranty

5-year limited warranty. See [philips.com/warranties](http://philips.com/warranties) for details and restrictions. Visit our eCatalog or contact your local sales representative for more information.

#### Predicted Lumen Depreciation Data

Ambient Temperature °C	System Current	LED Current	Calculated L70hrs <sup>1,2</sup>	L70 per TM21 <sup>2,3</sup>	Lumen Maintenance @ 60,000hrs
25 °C	750 mA	750 mA	>100,000	>60,000	97%

1. Predicted performance derived from LED manufacturer's data and engineering design estimates, based on IESNA LM-80 methodology. Actual experience may vary due to field application conditions.
2. L70 is the predicted time when LED performance depreciates to 70% of initial lumen output.
3. Calculated per IESNA TM 21-11. Published L70 hours limited to 6 times actual LED test hours.

