GARDCO by signify

# Wall Mount

## LED wall sconce

## 121

**Gardco LED wall sconce 121** offers distinction through its styling, powerful optical design, array of distributions, and impressive selection of control possibilities. Designed to add an element of style to your application by pairing straight lines with rounded edges, the form of the 121 is timeless, yet contemporary, and will complement a wide assortment of architectural styles and designs, while delivering high light levels and functional distributions. 121 sconces are available in Type 2, 3, and 4 distributions, and provide output of up to 12,400 lumens. Energy saving control options help to increase energy savings and offer California Title 24 compliance. Emergency Battery Backup option available for path-of-egress and is integral to the luminaire.

| | |
|---|---|
| Project: | **EQUINIX MX2-2** |
| Location: | **EL MARQUÉS QRO.** |
| Cat.No: | **121-16L-1000-NW-G4-4-120-PCB** |
| Type: | |
| Lamps: | Qty: |
| Notes: | |

## Ordering guide

**example: 121-32L-700-NW-G4-3-120-BL-IMRI2-BZ**

| Prefix | Number of LEDs | Drive Current | LED Color-Generation | Distribution | Emergency | Voltage |
|---|---|---|---|---|---|---|
| **121** | **16L** | **1000** | **NW-G4** | **4** | | **120** |
| **121** LED wall sconce | **16L** 16 LEDs (1 module) | **200** 200mA<br>**400** 400mA<br>**530** 530mA<br>**700** 700mA<br>**1000** 1000mA<br>**1200** 1200mA | **CW-G4** Cool White 5000K, 70 CRI Generation 4<br>**NW-G4** Neutral White 4000K, 70 CRI Generation 4<br>**WW-G4** Warm White 3000K, 70 CRI Generation 4<br>**WY-G4** Warm Yellow 2700K, 80 CRI Generation 4 [2]<br>**BW-G4** Balanced White 3500K 80CRI Generation 4 [2]<br>**AM-G4** Direct Amber (590nm) Generation 4 [2] | **2** Type 2<br>**3** Type 3<br>**4** Type 4 | **EBPC** Emergency Battery Pack Cold Weather [1,8,13]<br>Leave blank to omit an emergency option | **UNV** 120-277V<br>**HVU** 347-480V<br>**120** 120V<br>**208** 208V<br>**240** 240V<br>**277** 277V<br>**347** 347V<br>**480** 480V |
| | **32L** 32 LEDs (2 modules) | **530** 530mA<br>**700** 700mA<br>**1000** 1000mA | | | | |

### Options

| Dimming controls | Motion sensing lens | Photo sensing | Electrical | Finish |
|---|---|---|---|---|
| | | **PCB** | | |
| **DD** 0-10V External dimming (controls by others) [4]<br>**DCC** Dual Circuit Control [4,5,6,9]<br>**FAWS** Field Adjustable Wattage [4,5]<br>**SW** Interface Module for SiteWise [4,6,11]<br>**LLC** Integral wireless module [4,6,7,12]<br>**BL** Bi-level functionary with motion sensor [4,7,12]<br><br>**DynaDimmer: Automatic Profile Dimming** [4,7]<br>**CS50** Security 50% Dimming, 7 hours<br>**CM50** Median 50% Dimming, 8 hours<br><br>**CS30** Security 30% Dimming, 7 hours<br>**CM30** Median 30% Dimming, 8 hours | **IMRI2** Integral with #2 lens [10]<br>**IMRI3** Integral with #3 lens [10] | **PCB** Photocontrol Button [7,8] | **Fusing**<br>**F1** Single (120, 277, 347VAC) [8]<br>**F2** Double (208, 240, 480VAC) [8]<br>**F3** Canadian Double Pull (208, 240, 480VAC) [8]<br><br>**Surge Protection (10kA standard)**<br>**SP2** Increased 20kA | **Textured**<br>**BK** Black<br>**WH** White<br>**BZ** Bronze<br>**DGY** Dark Gray<br>**MGY** Medium Gray<br>**Customer specified**<br>**RAL** Specify optional color or RAL (ex: OC-LGP or OC-RAL7024)<br>**CC** Custom color (Must supply color chip for required factory quote) |

[1] Only 16L up to 700mA can be used with battery backup (EBPC) configuration.

[2] Extended lead times apply. Contact factory for details.

[3] Available in 120V or 277V only.

[4] Not available with other dimming control options.

[5] Not available with motion sensor.

[6] Not available with photocontrol.

[7] Not available in 347 or 480V.

[8] Must specify input voltage.

[9] Available with two modules (32L) at 530mA.

[10] Not available with DD, DCC, and FAWS dimming control options.

[11] Available in 120V, 277V, or 347V.

[12] Must specify a motion sensor lens.

[13] Not available with DCC, FAWS, SW, and LLC.

# 121 LED wall sconce

## Luminaire Accessories (order separately)

| Mounting Accessories |
|---|
| **Wall Mount** |
| WS Wall Mounted Box for Surface Conduit |

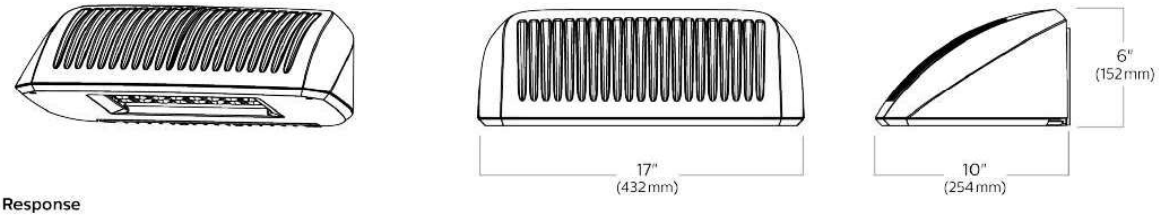
| System accessories |
|---|
| **Wireless system remote mount module** |
| LLCR2-(F) #2 lens - specify finish in place of (F) |
| LLCR3-(F) #3 lens - specify finish in place of (F) |
| **Central Remote Motion Response** (used connected to SiteWise main panel) |
| MS2-A-FVR-3 |
| MS2-A-FVR-7 |

**Wireless system remote controller accessory**

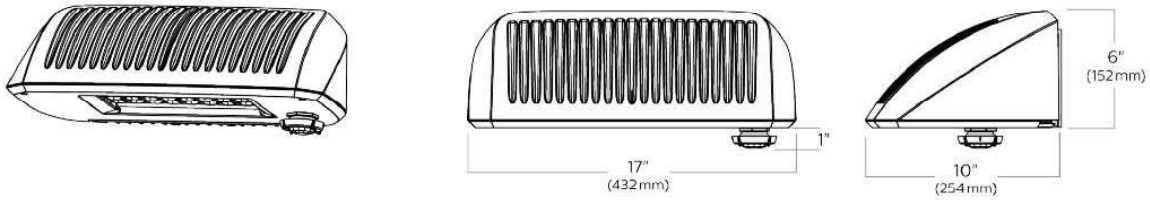
Wireless system offers a remote radio/sensor module that allows to connected to a Limelight system (sold by other). Remote module can be mounted to wall or pole with j-box supplied. May be specified by choosing one of two different lenses to accommodate a variety of mounting heights/ sensor detection ranges. Must specify option DD on luminaires that are planned to be used with remote mount controllers. See page 4 for Wireless system details.

## Dimensions

**Standard Luminaire**




**Motion Response**

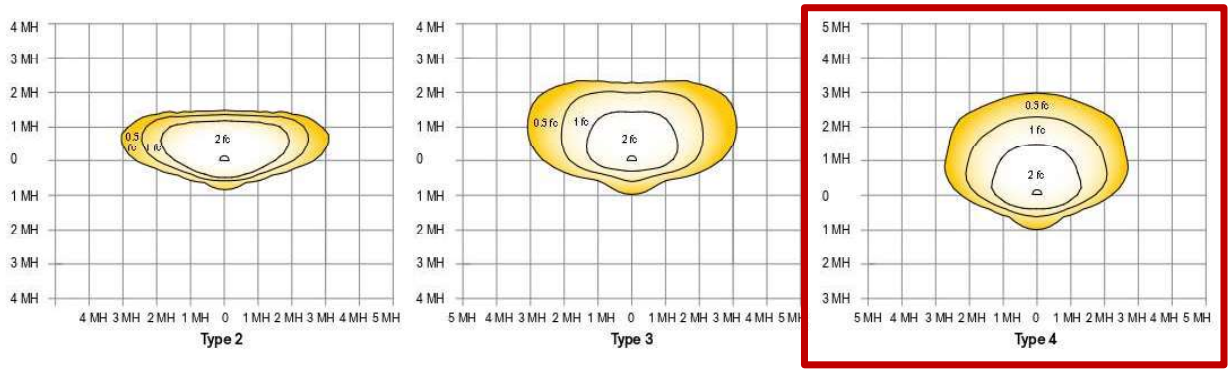



**Luminaire Weights**

| LED wall sconce 121 | Weight |
|---|---|
| Luminaire | 15.0 lbs |
| Luminaire - EBPC (EM battery pack) | 18.5 lbs |
| Luminaire - Integrated system controls | 17.0 lbs |

## Optical Distributions

Based on configuration 121-32L-530-NW-G4 (52W) mounted at 15ft.



# 121 LED wall sconce

## 3000K LED Wattage and Lumen Values

| Ordering Code | LED Qty | LED Current (mA) | Color Temp. | Average System Watts (W) | Type 2 | | | Type 3 | | | Type 4 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Lumen Output | Efficacy (LPW) | BUG Rating | Lumen Output | Efficacy (LPW) | BUG Rating | Lumen Output | Efficacy (LPW) | BUG Rating |
| 121-16L-200-WW-G4-x | 16 | 200 | 3000 | 12 | 1350 | 109 | B0-U0-G1 | 1248 | 101 | B0-U0-G1 | 1252 | 101 | B0-U0-G1 |
| 121-16L-400-WW-G4-x | 16 | 400 | 3000 | 22 | 2576 | 116 | B1-U0-G0 | 2382 | 107 | B1-U0-G0 | 2389 | 108 | B1-U0-G0 |
| 121-16L-530-WW-G4-x | 16 | 530 | 3000 | 28 | 3119 | 111 | B1-U0-G0 | 2885 | 103 | B1-U0-G1 | 2893 | 103 | B1-U0-G1 |
| 121-16L-700-WW-G4-x | 16 | 700 | 3000 | 38 | 4091 | 107 | B1-U0-G1 | 3785 | 99 | B1-U0-G1 | 3795 | 99 | B1-U0-G1 |
| 121-16L-1000-WW-G4-x | 16 | 1000 | 3000 | 55 | 5313 | 97 | B2-U0-G1 | 4915 | 90 | B1-U0-G1 | 4928 | 90 | B1-U0-G2 |
| 121-16L-1200-WW-G4-x | 16 | 1200 | 3000 | 66 | 5935 | 90 | B2-U0-G1 | 5490 | 84 | B1-U0-G2 | 5505 | 84 | B1-U0-G2 |
| 121-32L-530-WW-G4-x | 32 | 530 | 3000 | 52 | 6551 | 126 | B2-U0-G1 | 6061 | 117 | B1-U0-G2 | 6076 | 117 | B1-U0-G2 |
| 121-32L-700-WW-G4-x | 32 | 700 | 3000 | 70 | 8336 | 119 | B2-U0-G1 | 7711 | 110 | B1-U0-G2 | 7732 | 110 | B1-U0-G2 |
| 121-32L-1000-WW-G4-x | 32 | 1000 | 3000 | 107 | 11179 | 105 | B3-U0-G2 | 10341 | 97 | B2-U0-G2 | 10369 | 97 | B2-U0-G2 |

## 4000K LED Wattage and Lumen Values

| Ordering Code | LED Qty | LED Current (mA) | Color Temp. | Average System Watts (W) | Type 2 | | | Type 3 | | | Type 4 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Lumen Output | Efficacy (LPW) | BUG Rating | Lumen Output | Efficacy (LPW) | BUG Rating | Lumen Output | Efficacy (LPW) | BUG Rating |
| 121-16L-200-NW-G4-x | 16 | 200 | 4000 | 12 | 1500 | 121 | B0-U0-G1 | 1387 | 112 | B0-U0-G1 | 1391 | 112 | B0-U0-G1 |
| 121-16L-400-NW-G4-x | 16 | 400 | 4000 | 22 | 2862 | 129 | B1-U0-G0 | 2647 | 119 | B1-U0-G0 | 2654 | 120 | B1-U0-G0 |
| 121-16L-530-NW-G4-x | 16 | 530 | 4000 | 28 | 3465 | 123 | B1-U0-G0 | 3205 | 114 | B1-U0-G1 | 3214 | 114 | B1-U0-G1 |
| 121-16L-700-NW-G4-x | 16 | 700 | 4000 | 38 | 4546 | 118 | B1-U0-G1 | 4206 | 110 | B1-U0-G1 | 4217 | 110 | B1-U0-G1 |
| 121-16L-1000-NW-G4-x | 16 | 1000 | 4000 | 55 | 5903 | 108 | B2-U0-G1 | 5461 | 100 | B1-U0-G2 | 5476 | 100 | B1-U0-G2 |
| 121-16L-1200-NW-G4-x | 16 | 1200 | 4000 | 66 | 6594 | 101 | B2-U0-G1 | 6100 | 93 | B1-U0-G2 | 6117 | 93 | B1-U0-G2 |
| 121-32L-530-NW-G4-x | 32 | 530 | 4000 | 52 | 7279 | 140 | B2-U0-G1 | 6734 | 130 | B1-U0-G2 | 6751 | 130 | B1-U0-G2 |
| 121-32L-700-NW-G4-x | 32 | 700 | 4000 | 70 | 9262 | 132 | B2-U0-G1 | 8568 | 122 | B1-U0-G2 | 8591 | 122 | B2-U0-G2 |
| 121-32L-1000-NW-G4-x | 32 | 1000 | 4000 | 107 | 12421 | 116 | B3-U0-G2 | 11490 | 108 | B2-U0-G2 | 11521 | 108 | B2-U0-G2 |

## 5000K LED Wattage and Lumen Values

| Ordering Code | LED Qty | LED Current (mA) | Color Temp. | Average System Watts (W) | Type 2 | | | Type 3 | | | Type 4 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Lumen Output | Efficacy (LPW) | BUG Rating | Lumen Output | Efficacy (LPW) | BUG Rating | Lumen Output | Efficacy (LPW) | BUG Rating |
| 121-16L-200-CW-G4-x | 16 | 200 | 5000 | 12 | 1500 | 121 | B0-U0-G1 | 1387 | 112 | B0-U0-G1 | 1391 | 112 | B0-U0-G1 |
| 121-16L-400-CW-G4-x | 16 | 400 | 5000 | 22 | 2862 | 129 | B1-U0-G0 | 2647 | 119 | B1-U0-G0 | 2654 | 120 | B1-U0-G0 |
| 121-16L-530-CW-G4-x | 16 | 530 | 5000 | 28 | 3465 | 123 | B1-U0-G0 | 3205 | 114 | B1-U0-G1 | 3214 | 114 | B1-U0-G1 |
| 121-16L-700-CW-G4-x | 16 | 700 | 5000 | 38 | 4546 | 118 | B1-U0-G1 | 4206 | 110 | B1-U0-G1 | 4217 | 110 | B1-U0-G1 |
| 121-16L-1000-CW-G4-x | 16 | 1000 | 5000 | 55 | 5903 | 108 | B2-U0-G1 | 5461 | 100 | B1-U0-G2 | 5476 | 100 | B1-U0-G2 |
| 121-16L-1200-CW-G4-x | 16 | 1200 | 5000 | 66 | 6594 | 101 | B2-U0-G1 | 6100 | 93 | B1-U0-G2 | 6117 | 93 | B1-U0-G2 |
| 121-32L-530-CW-G4-x | 32 | 530 | 5000 | 52 | 7279 | 140 | B2-U0-G1 | 6734 | 130 | B1-U0-G2 | 6751 | 130 | B1-U0-G2 |
| 121-32L-700-CW-G4-x | 32 | 700 | 5000 | 70 | 9262 | 132 | B2-U0-G1 | 8568 | 122 | B1-U0-G2 | 8591 | 122 | B2-U0-G2 |
| 121-32L-1000-CW-G4-x | 32 | 1000 | 5000 | 107 | 12421 | 116 | B3-U0-G2 | 11490 | 108 | B2-U0-G2 | 11521 | 108 | B2-U0-G2 |

## LED Wattage and Lumen Values (Emergency Mode)

| Ordering Code | LED Qty | LED Current (mA) | Color Temp. | Avg. System Watts | | Lumen Outputs by Optic Type | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Type 2 | | Type 3 | | Type 4 | |
| | | | | Normal Mode | Emergency Mode | Normal Mode | Emergency Mode | Normal Mode | Emergency Mode | Normal Mode | Emergency Mode |
| 121-16L-200-NW-G4-x-EBPC | 16 | 200 | 5000 | 12 | 14 | 1500 | 1654 | 1387 | 1510 | 1391 | 1543 |
| 121-16L-400-NW-G4-x-EBPC | 16 | 400 | 5000 | 22 | 14 | 2862 | 1654 | 2647 | 1510 | 2654 | 1543 |
| 121-16L-530-NW-G4-x-EBPC | 16 | 530 | 5000 | 28 | 14 | 3465 | 1654 | 3205 | 1510 | 3214 | 1543 |
| 121-16L-700-NW-G4-x-EBPC | 16 | 700 | 5000 | 38 | 14 | 4546 | 1654 | 4206 | 1510 | 4217 | 1543 |

Values from photometric tests performed in accordance with IESNA LM-79 and are representative of the configurations shown. Actual performance may vary due to installation and environmental variables, LED and driver tolerances, and field measurement considerations. It is highly recommended to confirm performance with a photometric layout.

NOTE: Some data may be scaled based on tests of similar (but not identical) luminaires. Contact factory for configurations not shown.

For emergency EBPC option, published values are based on initial lumens.

## Predicted Lumen Depreciation Data

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. $L_{70}$ is the predicted time when LED performance depreciates to 70% of initial lumen output. Calculated per IESNA TM21-11. Published $L_{70}$ hours limited to 6 times actual LED test hours

| Ambient Temperature °C | Drive current | Calculated $L_{70}$ Hours | $L_{70}$ per TM-21 | Lumen Maintenance % at 60,000 hrs |
|---|---|---|---|---|
| 40°C | up to 1200 mA | >100,000 hours | >42,000 hours | >99% |

# 121 LED wall sconce

## Specifications

### Housing

Main body cast housing and back plate made of a low copper die cast Aluminum alloy for a high resistance to corrosion, 0.100" (2.5mm) minimum thickness. Hinged door allows access to driver and LED compartment.

### Light Engine

Light engine comprises of a module of 16-LED aluminum metal clad board fully sealed with optics offered in multiples of 1 and 2 modules or 16 and 32 LEDs. Module is RoHS compliant. Standard color temperatures: 3000K +/-125K, 4000K, 5000K +/- 200K. Minimum CRI of 70. Also available in 2700K, 3500K, and Amber (590nm) with extended lead times. Contact factory for details.

LED light engine is rated IP66 in accordance to Section 9 of IEC 60598-1.

### Energy Saving Benefits

System efficacy up to 140 lms/W with significant energy savings over Pulse Start Metal Halide luminaires. Optional control options provide added energy savings during unoccupied periods.

### 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. Mounting plate is located in the center of the luminaire width and 3.5" above the luminaire bottom (lens down position). Luminaire ships fully assembled, ready to install.

### Optical System

Type 2, 3, and 4 distributions available. Performance tested per LM-79 and TM-15 (IESNA) certifying its photometric performance. Luminaire designed with 0% uplight (U0 per IESNA TM-15).

### Control Options

**0-10V dimming (DD):** Access to 0-10V dimming leads supplied through back of luminaire (for secondary dimming controls by others). Cannot be used with other control options.

**Dual Circuit Control (DCC):** Luminaire equipped with the ability to have two separate circuits controlling drivers and light engines independently. Permits separate switching of 2 modules each at 530mA (32L models), controlled by use of two sets of leads, one for each circuit. Not recommended to be used with other control options, motion response, or photocells.

**Field Adjustable Wattage Selector (FAWS):** Luminaire equipped with the ability to manually adjust the wattage in the field to reduce total luminaire lumen output and light levels. Comes pre-set to the highest position at the lumen output selected. Use chart below to estimate reduction in lumen output desired. Cannot be used with other control options or motion response.

| FAWS Position | Percent of Typical Lumen Output |
|---|---|
| 1 | 25% |
| 2 | 50% |
| 3 | 55% |
| 4 | 65% |
| 5 | 75% |
| 6 | 80% |
| 7 | 85% |
| 8 | 90% |
| 9 | 95% |
| 10 | 100% |

**Note:** Typical value accuracy +/- 5%

**SiteWise (SW):** SiteWise system includes a controller fully integrated in he luminaire that enables the luminaires to communicate with a dimming ignal transmitter cabinet located on site using patented central dimming technology. A locally accessible mobile app allows users to access the system and set functionalities such as ON/OFF, dimming levels and scheduling. SiteWise is available with motion response options in order to bring the light back to 100% when motion is detected. Cannot be used with other control options or photocell options. Additional functionalities are available such as communication with indoor lighting and connection to BMS systems. Complete information on the control system can be found on the SiteWise website at philips.com/sitewise.

**Automatic Profile Dimming (CS/CM):** Standard dimming profiles provide flexibility towards energy savings goals while optimizing light levels during specific dark hours. Dimming profiles include two dimming settings including dim to 30% or 50% of the total lumen output. When used in combination with not programmed motion response it overrides the controller's schedule when motion is detected. After 5 minutes with no motion, it will return to the automatic dimming profile schedule. Automatic dimming profile scheduled with the following settings:

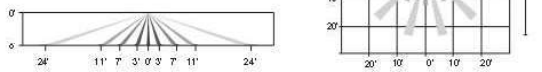
- **CS50/CS30:** Security for 7 hours night duration (Ex., 11 PM - 6 AM)
- **CM50/CM30:** Median for 8 hours night duration (Ex., 10 PM - 6 AM)

All above profiles are calculated from mid point of the night. Dimming is set for 6 hours after the mid point and 2, or 3 hours before depending of the duration of dimming. Cannot be used with other dimming control options.

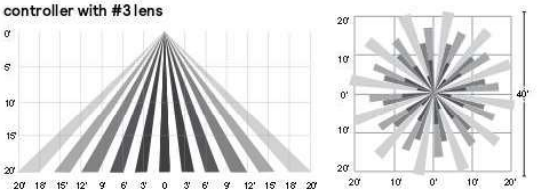
**Emergency Battery Backup Cold Pack (EBPC):** Emergency battery pack is cold weather rated down to -20oC (-4oF) and integral to the luminaire, allowing for a consistent look between emergency and non-emergency sconces. A separate surface mount accessory box is not required. Emergency battery pack is used with 16L configuration up to 700mA, operating in emergency mode to meet various redundancy requirements. Secondary driver with relay immediately detects AC power loss and powers luminaire for a minimum of 90 minutes from the time power is lost. Available in 120 or 277V only.

**Wireless system (LLC):** Optional wireless controller integral to luminaire ready to be connected to a Limelight system (sold by others). The system allows you to wirelessly manage the entire site, independent lighting groups or individual luminaires while on-site or remotely. Based on a high-density mesh network with an easy to use web-based portal, you can conveniently access, monitor and manage your lighting network remotely. Wireless controls can be combined with site and area, pedestrian, and parking garage luminaires as well, for a completely connected outdoor solution. Equipped with motion response with #2 lens (LLC-IMRI2) for 8' to 15' mounting height" or #3 lens (LLC-IMRI3) for 8-25' mounting heights. Also available with remote pod accessory where pod is mounted separate from luminaire to pole or wall.

**LLC-IMRI2 Luminaire or remote mount controller with #2 lens**




**LLC-IMRI3 Luminaire or remote mount controller with #3 lens**




### Motion Response Options

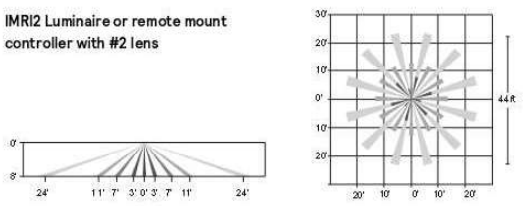
# 121 LED wall sconce

## Specifications

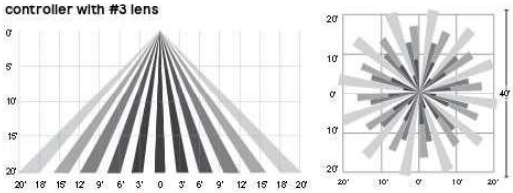
**Bi-Level Infrared Motion Response (BL-IMRI3):** Motion Response module is mounted integral to luminaire factory pre-programmed to 50% dimming when not ordered with other control options. BL-IMRI is set/operates in the following fashion: The motion sensor is set to a constant 50%. When motion is detected by the PIR sensor, the luminaire returns to full power/light output. Dimming on low is factory set to 50% with 5 minutes default in "full power" prior to dimming back to low. When no motion is detected for 5 minutes, the motion response system reduces the wattage by 50%, to 50% of the normal constant wattage reducing the light level. Other dimming settings can be provided if different dimming levels are required. This can also be done with FSIR-100 Wireless Remote Programming Tool (contact Technical Support for details).

**Infrared Motion Response with Other Controls (SW-IMRI3):** When used in combination with other controls (Automatic Dimming Profile and SiteWise), motion response device will simply override controller's schedule with the added benefits of a combined dimming profile and sensor detection. In this configuration, the motion response device cannot be re-programmed with FSIR-100 Wireless Remote Programming Tool. The profile can only be reprogrammed via the controller. Infrared Motion Response Lenses (IMRI2/IMRI3): Infrared Motion Response Integral module is available with two different sensor lens types to accommodate various mounting heights and occupancy detection ranges. Lens #2 (IMRI2) is designed for lower mounting heights up to 8' with larger coverage areas up to 44' diameter coverage area. Lens #3 (IMRI3) is designed for mounting heights up to 20' with a 40' diameter coverage area. See charts for approximate detection patterns:

**IMRI2 Luminaire or remote mount controller with #2 lens**




**IMRI3 Luminaire or remote mount controller with #3 lens**




**Driver:** Driver efficiency (>90% standard). 120-480V available (restrictions apply). Open/short circuit protection. Optional 0-10V dimming to 10% power. RoHS compliant.

**Button Photocontrol (PCB):** Button style design for internal luminaires mounting applications. The photocontrol is constructed of a high impact UV stabilized polycarbonate housing. Rated voltage of 120V or 208-277V with a load rating of 1000 VA. The photocell will turn on with 1-4Fc of ambient light.

**Surge protection (SP1/SP2):** Each luminaire is provided as standard with surge protector tested in accordance with ANSI/IEEE C62.45 per ANSI/IEEE C62.41.2 Scenario I Category C High Exposure 10kV/5kA waveforms for Line Ground, Line Neutral and Neutral Ground, and in accordance with U.S. DOE (Department of Energy) MSSLC (Municipal Solid-State Street Lighting Consortium) Model Specification for LED Roadway Luminaires Appendix D Electrical Immunity High Test Level 10kV / 5kA. Optional 20kV is available for additional protection.

### 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.

### Listings

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. Emergency Battery Pack option is tested and listed to UL924 and CSA C22.2 No. 141-10 DesignLights Consortium qualified on models as listed on DLC QPL. CCTs 3000K and warmer are Dark Sky Approved. Luminaire is rated for operation in ambient temperature of -40°C (-40°F) up to +40°C (+104°F)[4].

### Warranty

121 LED sconce luminaires feature a 5-year limited warranty.
See signify.com/warranties for complete details and exclusions

### Electrical



Signify North America Corporation
200 Franklin Square Drive,
Somerset, NJ 08873
Telephone 855-486-2216

Signify Canada Ltd.
281 Hillmount Road,
Markham, ON, Canada L6C 2S3
Telephone 800-668-9008