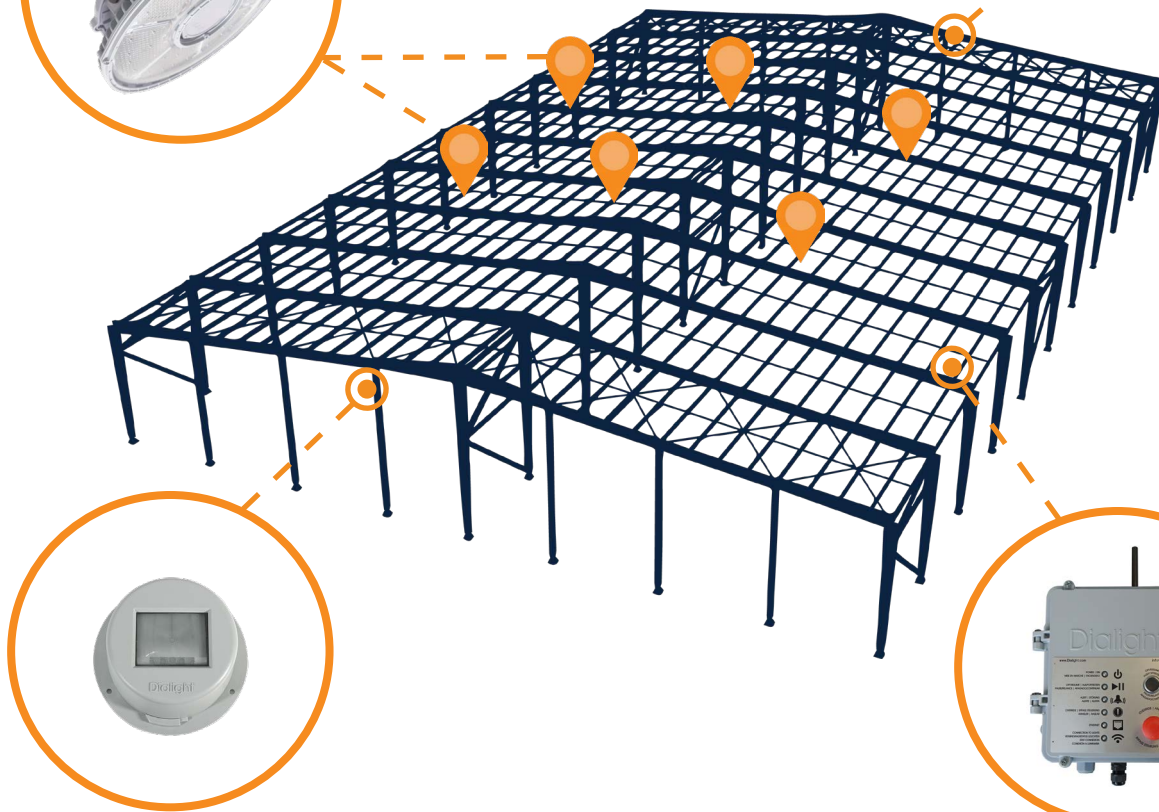


## ENTERPRISE SERVER

## CONNECTED HIGH BAY



## WIRELESS SENSORS

## GATEWAY CONTROLLER

# Dialight® IntelliLED™ Wireless Controls

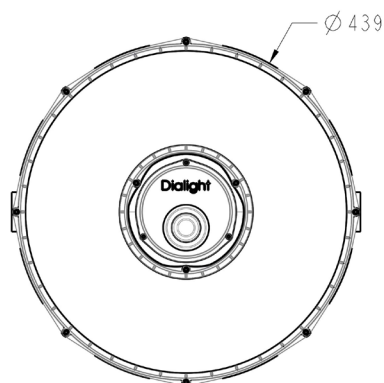
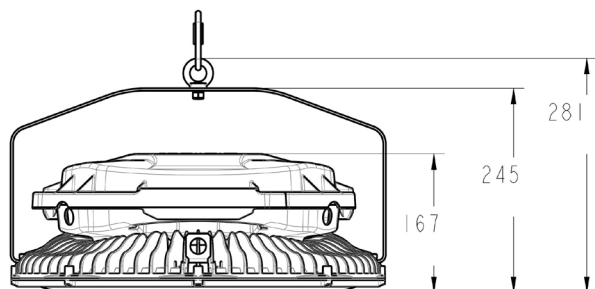
Technical System Specification Sheet - EMEA

## Reliant™ LED High Bay



### Certifications & Ratings

- 10 year warranty
- CE / ENEC
- IP66
- L70 rated for >100,000 hours @ 55°C
- L90 rated for >100,000 hours @ 25°C



Dimensions in mm

### Mechanical Information:

Fixture weight:	9.3 kg
Shipping weight:	12 kg
Box dimensions:	515 x 515 x 350mm

### Mounting:

Mounting:	304 stainless steel mounting bracket
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### Electrical Specifications:

Operating voltage:	100-277 VAC 50/60Hz
Operating temperature:	-40°C to +55°C
Total system power consumption:	See ordering table
EMC:	EN 55015 IEC 61000-3-3 IEC 61547 IEC 61000-4-2 IEC 61000-4-3 IEC 61000-4-6 IEC 61000-4-8 IEC 61000-4-11
Transient protection:	6kV/3kA combination wave, as per IEEE C62.41, line-line and line-ground IEC 61000-4-5 IEC 61000-4-4
THD:	IEC 55015 <20% @ 100-277 VAC
Harmonics:	IEC 61000-3-2, Class C
Power factor:	>0.9 @ 100-277 VAC
Flicker:	IEC 61000-3-3
Dimming:	DALI 1.0 and 2.0 5% 0-10 VDC continuous dimming to 5% Wireless dimming via Dialight IntelliLED controls to 5%
Cable entry:	(3) M20
Terminals:	5 position, 0.5-4 mm <sup>2</sup>
Materials:	
Housing:	Polycarbonate (upper) Aluminium (lower)
Lens:	Polycarbonate Glass and acrylic options also available
Hardware:	304 stainless steel
Hook:	304 stainless steel
Fixture finish:	Superior dual coat finish - sealed polyester topcoat - epoxy primer

### Gaskets:

Light engine:	Santoprene
Wiring box:	EPDM

### Photometric Information:

CRI:	80
CCT:	5000K (cool white) 4000K (neutral white) options available consult factory

All values typical unless otherwise stated (tolerance +/- 10%)

## Reliant™ LED High Bay



Part Number	Fixture Lumen	Wattage	lm/W	CCT	Lens	Beam Distribution	Controls
DALI Models							
RRE-4MC2-JDHN-NGN	33,800	232	146	5000K (cool white)	Polycarbonate Clear	Medium	DALI
RRE-4AC2-JDHN-NGN	33,800	232	146			Aisle	
RRE-4MC2-GDHN-NGN	28,200	191	148			Medium	
RRE-4AC2-GDHN-NGN	28,200	191	148			Aisle	
RRE-4MC2-EDHN-NGN	22,800	159	143			Medium	
RRE-4AC2-EDHN-NGN	22,800	159	143			Aisle	
RRE-4MC2-CDHN-NGN	16,900	114	148			Medium	
RRE-4AC2-CDHN-NGN	16,900	114	148			Aisle	
RRE-4MC2-BDHN-NGN	13,400	91	147			Medium	
RRE-4AC2-BDHN-NGN	13,400	91	147			Aisle	
RRE-4MC2-ADH-NGN	10,600	71	149			Medium	
RRE-4AC2-ADH-NGN	10,600	71	149			Aisle	

All values typical unless otherwise stated (tolerance +/- 10%).

Models available up to 160 lm/W with acrylic or glass lens. Please contact a Dialight sales representative.

Standard hardware options: bracket with hook.

Standby power draw < 1 watt

IntelliLED™ wireless controls can be easily added to the Reliant™ High Bay with the use of a wireless control card:



### RR-WIRELESS-1

- IntelliLED wireless control

**DISCLAIMER.** All product information provided is, to the best of Dialight's knowledge, accurate as of the date of publication. When ordering, refer to [www.dialight.com](http://www.dialight.com) for current versions of: (a) relevant product documentation (including the relevant product data sheets); (b) Dialight terms and conditions of sale; and, (c) the relevant product warranty. To the extent that any contract is deemed formed between Dialight and the purchaser of Dialight products and/or an end-user, versions of documents available at [www.dialight.com](http://www.dialight.com) as at the date of sale shall be the versions incorporated therein. In the event of any discrepancy between this document or information provided at [www.dialight.com](http://www.dialight.com), the latter shall prevail.

## Gateway Controller



### Certifications & Ratings

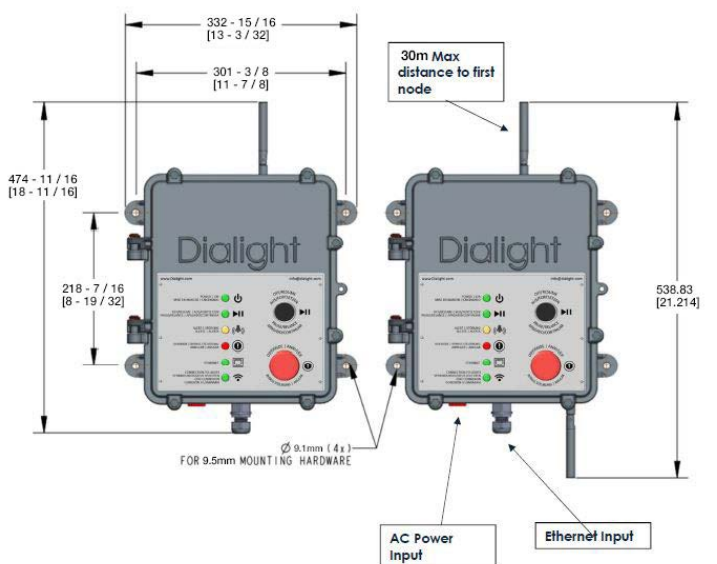
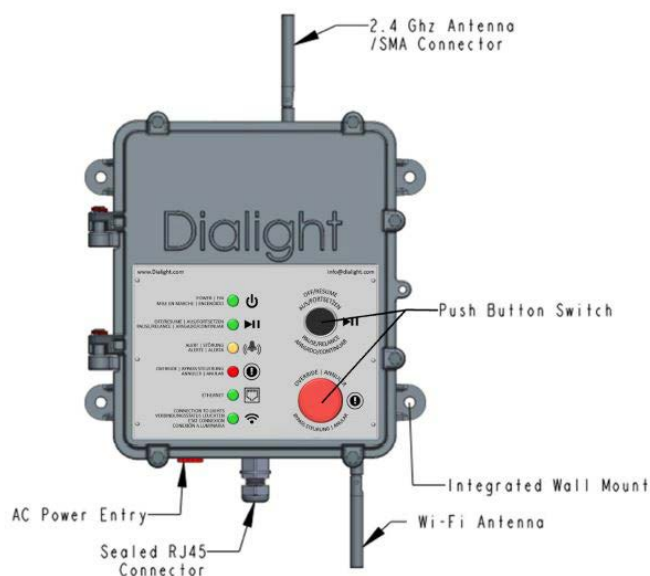
- 5 year warranty
- IP66
- EN 55032
- EN 55016-2-1
- EN 55016-2-3
- EN 61000-3-2
- EN 61000-3-3
- EN 61000-4-2
- EN 61000-4-3
- EN 61000-4-4
- EN 61000-4-5
- EN 61000-4-6
- EN 61000-4-11
- EN 61347-2-11+C1
- EN 61347-1+A1

### Technical Specifications:

<b>Weight:</b>	7.2 kg (15.8 lbs)
<b>Shipping weight:</b>	8.7 kg (19.2 lbs)
<b>Operating voltage:</b>	100-277 VAC, 50/60Hz
<b>Operating temperature:</b>	-40°C to +65°C (-40°F to +149°F)
<b>Ethernet:</b>	10/100/Gb Ethernet Wired and WIFI for connectivity/control
<b>Wireless protocol:</b>	2.4 GHz wireless mesh network
<b>Maximum nodes*:</b>	120
<b>Dimensions (WxDxH):</b>	323.5mm x 382mm x 538.84mm 13.09" x 15" x 21.214"
<b>Quick disconnect:</b>	This device must be connected to a quick disconnect device, such as a circuit breaker

All values typical unless otherwise stated (tolerance +/- 10%)

\*Nodes = fixtures and sensors



Dimensions in mm [inches]

### Ordering Information

Part Number	Description
GAUW24AG	Gateway (GW), wireless controller

**WARNING - INSTALLATION & SECONDARY RETENTION.** Use of any Dialight products without proper installation (including secondary retention / netting) and periodic inspections could cause severe injury or death. Dialight recommends that all installations should use secondary retention / netting (appropriate to the installation environment) where applicable. It is the exclusive responsibility of the contractor, installer and/or end-user to: (a) determine the suitability of the product for its intended application; and, (b) ensure that the product is safely installed (with secondary retention / netting where appropriate) and in compliance with all applicable laws and regulations. To the extent permissible under applicable laws, Dialight disclaims all liability for personal injury and/or other damage resulting from any dislodgment or other dislocation of its products.

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## Occupancy Sensor



Long Range

Wide Angle

### Certifications & Ratings

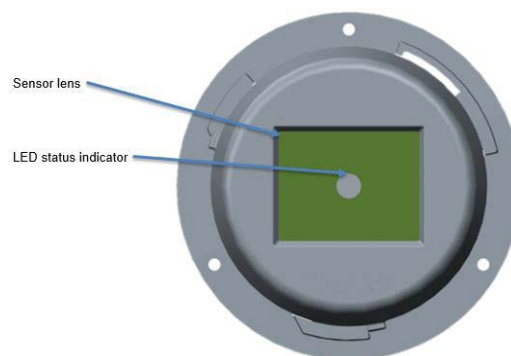
- 5 year warranty
- IP66
- EN 61347-1:2015
- EN 61347-2-11:2001 + C1:2001
- EN 61000-3-2:2014
- EN 61000-3-3:2013
- EN 60669-2-1:2002+A1:2008+A2:2015
- CISPR 15:2013+A1:2015

### Technical Specifications:

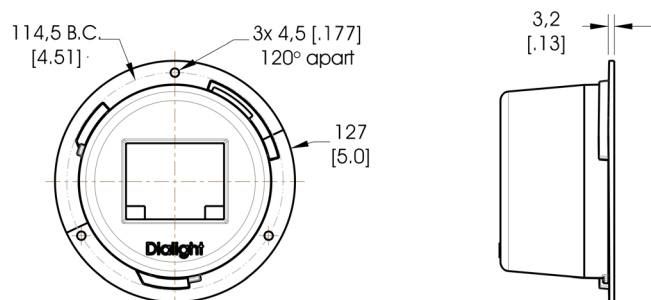
<b>Weight:</b>	250 g (8.8 oz)
<b>Shipping weight:</b>	0.7 kg (1.5 lbs)
<b>Operating temperature:</b>	-40°C to +60°C (-40°F to +140°F)
<b>Power input:</b>	2x "AA" lithium batteries 1.5V
<b>Mounting:</b>	Ceiling or walls at least 900mm to 1500mm (3' to 5') height off the ground
<b>Estimated battery life:</b>	2-5 years (based on usage)
<b>Radio frequency:</b>	2.4GHz
<b>Dimensions (DxH):</b>	125mm x 63.5mm 5" x 2.38"
<b>Sensing area:</b>	Wide angle - 20'-30', 1,250 sq ft, 120° Long range - 100' max, 7,600 sq ft, 10°
<b>Sensing technology:</b>	Passive infrared
<b>Housing:</b>	Grey polycarbonate
<b>Lens:</b>	Diffused high density polyethylene

All values typical unless otherwise stated (tolerance +/- 10%)

Reduce run time and maximize cost savings with standalone battery powered occupancy sensors in standard or wide angle options.



<b>Green LED</b>	Green LED1 flashes one time when motion is detected. Indicates battery voltage above 2.7 Volts. Green LED flashes twice every 5 seconds while searching for a network connection.
<b>Red LED</b>	A single red LED3 flash indicates motion detected and low battery voltage below 2.7 Volts.
<b>Reset Button</b>	Resets the processor.
<b>LED On/Off Switch</b>	Located on bottom of sensor board, it will turn the LED indicators ON or OFF.
<b>Leave Button</b>	Push and hold for 5 seconds to force sensor to leave its gateway.
<b>Join Button</b>	Push and hold for 5 seconds. Sensor will double blink while trying to join a gateway. Sensor will stop blinking if it doesn't join a gateway within 30 minutes.



Dimensions in mm [inches]

### Ordering Information

Part Number	Description
WOSU22BG2	Occupancy Sensor, battery powered sensor - wide angle
WOSU12BG2	Occupancy Sensor, battery powered sensor - long range

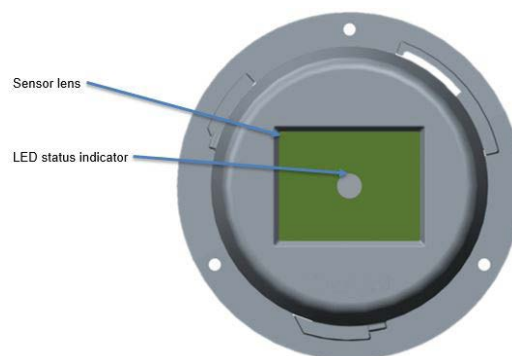
**WARNING - INSTALLATION & SECONDARY RETENTION.** Use of any Dialight products without proper installation (including secondary retention / netting) and periodic inspections could cause severe injury or death. Dialight recommends that all installations should use secondary retention / netting (appropriate to the installation environment) where applicable. It is the exclusive responsibility of the contractor, installer and/or end-user to: (a) determine the suitability of the product for its intended application; and, (b) ensure that the product is safely installed (with secondary retention / netting where appropriate) and in compliance with all applicable laws and regulations. To the extent permissible under applicable laws, Dialight disclaims all liability for personal injury and/or other damage resulting from any dislodgment or other dislocation of its products.



# Daylight Harvesting Sensor



Reduce run time and maximize cost savings with standalone AC wired daylight harvesting sensors to control light levels.



## Certifications & Ratings

- 5 year warranty
- EN 61347-1:2015
- EN 61347-2-11:2001 + C1:2001
- EN 61000-3-2:2014
- EN 61000-3-3:2013
- EN 60669-2-1:2002+A1:2008+A2:2015
- EN 55015:2013

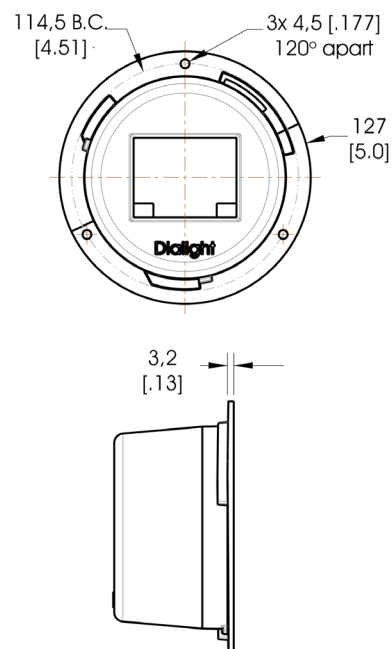
### Green LED

Ready to join network: Light blinks twice quickly  
Identify: Light will blink steadily on/off

## Technical Specifications:

<b>Weight:</b>	238 g (10 oz)
<b>Shipping weight:</b>	0.7 kg (1.5 lbs)
<b>Operating voltage:</b>	100-277 VAC, 50/60Hz, 100mA max.
<b>Operating temperature:</b>	-25°C to +65°C (-13°F to +149°F)
<b>Mounting:</b>	Ceiling or walls at least 1500mm (5') height from the ground away from direct sunlight or obstructions
<b>Radio frequency:</b>	2.4GHz
<b>Object detection:</b>	Light
<b>Dimensions (DxH):</b>	125mm x 63.5mm 5" x 2.5"
<b>Housing:</b>	Grey polycarbonate
<b>Lens:</b>	Polycarbonate

All values typical unless otherwise stated (tolerance +/- 10%)



Dimensions in mm [inches]

## Ordering Information

Part Number	Description
DLHU124UG2	Daylight Harvesting Sensor, standalone, AC wired sensor

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