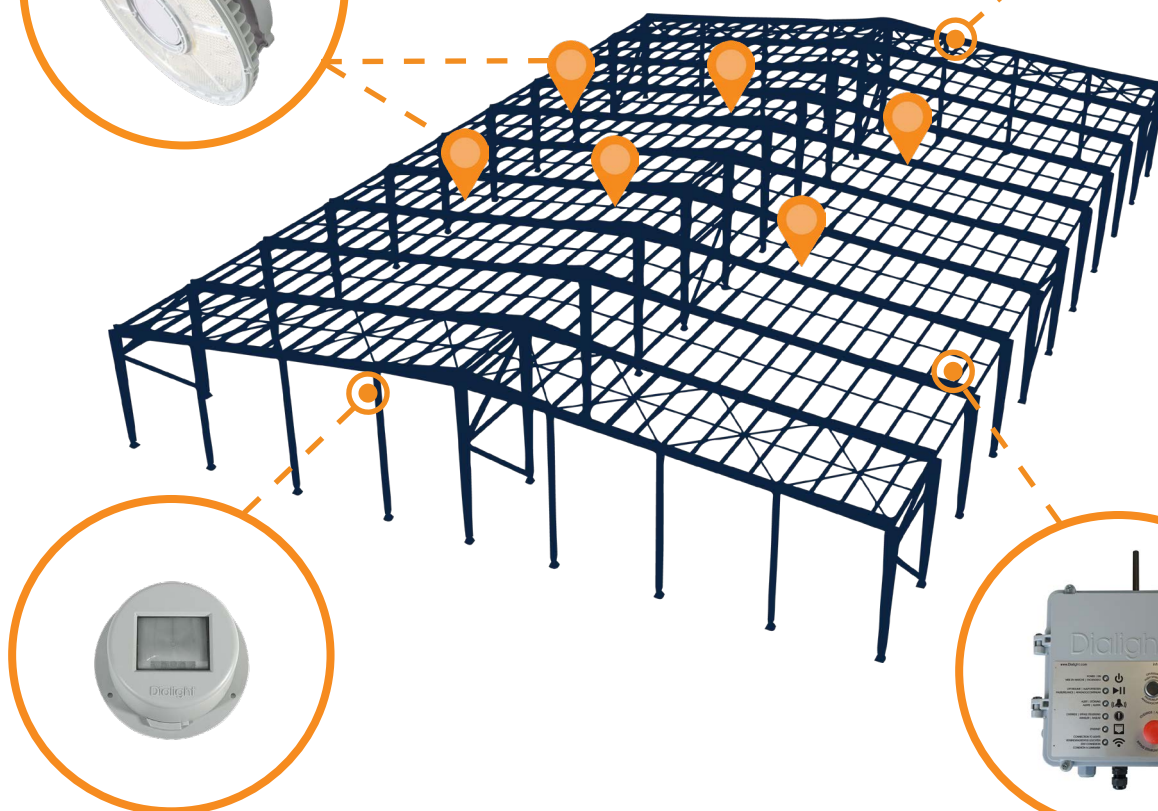


## ENTERPRISE SERVER

## CONNECTED HIGH BAY



## WIRELESS SENSORS

## GATEWAY CONTROLLER

# Dialight® IntelliLED™ Wireless Controls

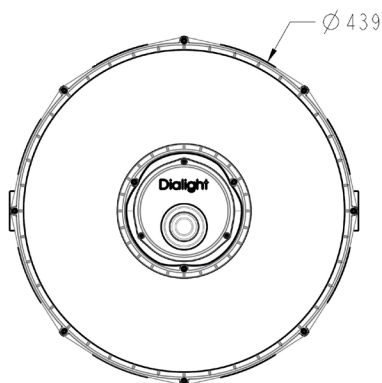
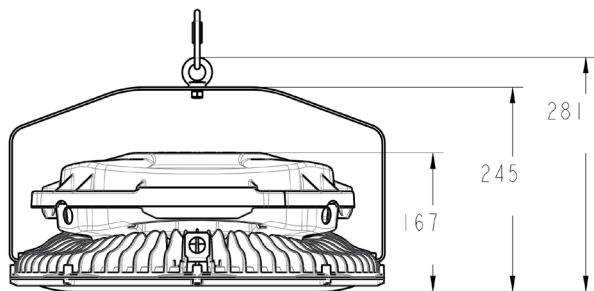
Technical System Specification Sheet - APAC

## Reliant™ High Bay



### Certifications & Ratings

- 10 year warranty
- CE
- RCM
- 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
-----------	--------------------------------------

### 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 1.8m cable & plug (Australia only)
Terminals:	5 position, 0.5-4 mm²
Materials:	
Housing:	Polycarbonate (upper) Aluminium (lower)
Lens:	Acrylic Polycarbonate & glass options 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:	4000K (neutral white) 5000K (cool white)

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

Please reference spec sheet at [www.dialight.com](http://www.dialight.com) for all High Bay technical information.

**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.

## Reliant™ High Bay

Ordering Information - Australia							
Part Number	Fixture Lumen	Wattage	lm/W	CCT	Lens	Beam Distribution	Mounting
DALI Models							
RRE-2MN2-ADH1-AGN	11,100	71	156	4000K (neutral white)	Acrylic	Medium	Hook, 1.8m cable & plug
RRE-2MN2-BDH1-AGN	14,000	91	154	4000K (neutral white)	Acrylic	Medium	Hook, 1.8m cable & plug
RRE-2MN2-CDH1-AGN	17,600	114	154	4000K (neutral white)	Acrylic	Medium	Hook, 1.8m cable & plug
RRE-2MN2-EDH1-AGN	23,800	159	150	4000K (neutral white)	Acrylic	Medium	Hook, 1.8m cable & plug
RRE-2MN2-GDH1-AGN	29,400	191	154	4000K (neutral white)	Acrylic	Medium	Hook, 1.8m cable & plug
RRE-2MN2-JDH1-AGN	35,300	232	152	4000K (neutral white)	Acrylic	Medium	Hook, 1.8m cable & plug
IntelliLED™ Models							
RRE-2MN2-EJH1-AGN	23,800	159	150	4000K (neutral white)	Acrylic	Medium	Hook, 1.8m cable & plug
RRE-2MN2-GJH1-AGN	29,400	191	154	4000K (neutral white)	Acrylic	Medium	Hook, 1.8m cable & plug
RRE-2MN2-JJH1-AGN	35,300	232	152	4000K (neutral white)	Acrylic	Medium	Hook, 1.8m cable & plug
Occupancy Sensor Models							
RRE-2MN2-EHH1-AGN	23,800	159	150	4000K (neutral white)	Acrylic	Medium	Hook, 1.8m cable & plug
RRE-2MN2-GHH1-AGN	29,400	191	154	4000K (neutral white)	Acrylic	Medium	Hook, 1.8m cable & plug
RRE-2MN2-JHH1-AGN	35,300	232	152	4000K (neutral white)	Acrylic	Medium	Hook, 1.8m cable & plug

Ordering Information - Asia							
Part Number	Fixture Lumen	Wattage	lm/W	CCT	Lens	Beam Distribution	Mounting
DALI Models							
RRE-2MC2-ADHN-NGN	11,300	71	159	5000K (cool white)	Acrylic	Medium	Hook
RRE-2MC2-BDHN-NGN	14,300	91	157	5000K (cool white)	Acrylic	Medium	Hook
RRE-2MC2-CDHN-NGN	18,000	114	158	5000K (cool white)	Acrylic	Medium	Hook
RRE-2MC2-EDHN-NGN	24,300	159	153	5000K (cool white)	Acrylic	Medium	Hook
RRE-2MC2-GDHN-NGN	30,000	191	157	5000K (cool white)	Acrylic	Medium	Hook
RRE-2MC2-JDHN-NGN	36,000	232	155	5000K (cool white)	Acrylic	Medium	Hook
IntelliLED™ Models							
RRE-2MC2-EJH1-NGN	24,300	159	153	5000K (cool white)	Acrylic	Medium	Hook
RRE-2MC2-GJH1-NGN	30,000	191	157	5000K (cool white)	Acrylic	Medium	Hook
RRE-2MC2-JJH1-NGN	36,000	232	155	5000K (cool white)	Acrylic	Medium	Hook
Occupancy Sensor Models							
RRE-2MC2-EHH1-NGN	24,300	159	153	5000K (cool white)	Acrylic	Medium	Hook
RRE-2MC2-GHH1-NGN	30,000	191	157	5000K (cool white)	Acrylic	Medium	Hook
RRE-2MC2-JHH1-NGN	36,000	232	155	5000K (cool white)	Acrylic	Medium	Hook

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

The above Reliant™ High Bay part numbers require the IntelliLED node or the occupancy sensor part number to be added, for large quantities these can be factory fitted.

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

Please reference spec sheet at [www.dialight.com](http://www.dialight.com) for all High Bay technical information.

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### Vigilant® High Bay

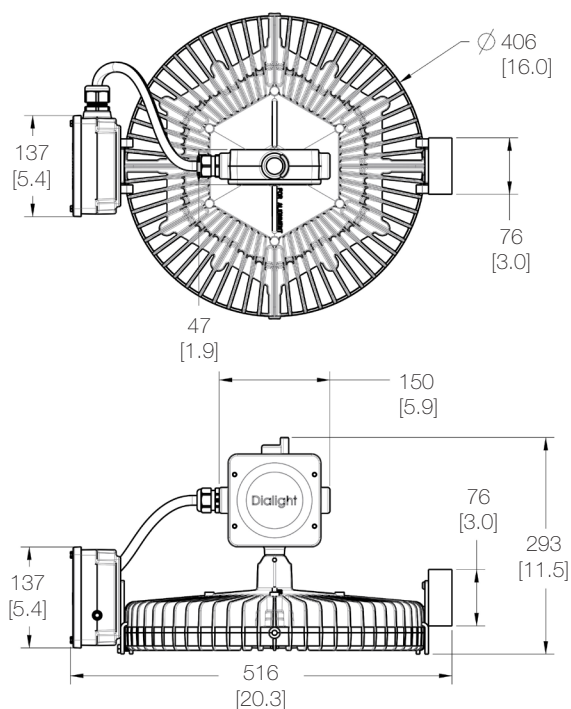


Our state-of-the-art, highly efficient Vigilant® High Bay fixture can communicate wirelessly with all components in the IntelliLED™ system.

#### Certifications & Ratings

- 10 year warranty
- IP66/67
- EN 60598-1:2015
- EN 60598-2-1 (ed.1), IEC 60598-2-1 (ed.8)
- EN 60598-2-24:2013
- EN 62471:2008
- EN 62778:2014
- EN 62493:2015
- EN 61000-3-3:2013
- EN 61347-2-11:2001+C1:2001+A1:2017
- EN 301 489-1 V2.1.1
- EN 301 489-17 V3.1

#### 100-277V Wiring Box



Dimensions in mm [inches]

#### Technical Specifications:

<b>Fixture weight:</b>	12.7 kg (28 lbs)
<b>Shipping weight:</b>	15.9 kg (35 lbs)
<b>Operating voltage:</b>	100-277 VAC, 120-250 VDC
<b>Operating temp:</b>	-40°C to +65°C (-40°F to +149°F)
<b>Harmonics:</b>	IEC 61000-3-2
<b>Noise requirement /EMC:</b>	EN 61547: 2009 Radiated and Conducted Emissions: EN 55015
<b>Transient protection:</b>	Protection devices capable of handling up to 10kv. Tested for 10kv/2 ohm combination wave, as per IEEE C62.41, line-line and line ground
<b>THD:</b>	<20%
<b>Power factor:</b>	> 0.9
<b>Fusing:</b>	Internal
<b>Housing:</b>	Copper free aluminum
<b>Finish:</b>	Superior dual coat finish - Sealed polyester topcoat - Chemical resistant epoxy primer
<b>Lens:</b>	See table
<b>CRI:</b>	80
<b>CCT:</b>	4000K (neutral white) Optional 5000K (cool white)

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

Please reference spec sheet at [www.dialight.com](http://www.dialight.com) for all High Bay technical information.

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## Vigilant® High Bay

Ordering Information - CE/RCM - APAC								
Part Number	Lumens	Watts	lm/W	Certification	CCT	CRI	Lens	Beam Distribution
<b>High Bay - 100-277 VAC Models - Integrated Pendant Wiring Box w/ Hook - Glass Lens</b>								
HCE-7MN2-EJHV-ZGN	25,250	186	136	CE/RCM	4000K	80	Glass	Medium
HCE-7MN2-CJHV-ZGN	18,750	129	145	CE/RCM	4000K	80	Glass	Medium
HCE-7MN2-BJHV-ZGN	13,750	102	135	CE/RCM	4000K	80	Glass	Medium
HCE-7MN2-AJHV-ZGN	11,000	80	138	CE/RCM	4000K	80	Glass	Medium
<b>High Bay - 100-277 VAC Models - Integrated Pendant Wiring Box w/ Hook - Acrylic Lens</b>								
HCE-2MN2-EJHV-ZGN	24,500	186	132	CE/RCM	4000K	80	Acrylic	Medium
HCE-2MN2-CJHV-ZGN	18,000	129	140	CE/RCM	4000K	80	Acrylic	Medium
HCE-2MN2-BJHV-ZGN	13,000	102	127	CE/RCM	4000K	80	Acrylic	Medium
HCE-2MN2-AJHV-ZGN	10,500	80	131	CE/RCM	4000K	80	Acrylic	Medium
<b>High Bay - 100-277 VAC Models - Integrated Pendant Wiring Box w/ Hook - Polycarbonate Dome Lens</b>								
HCE-LMN2-EJHV-ZGN	23,750	186	128	CE/RCM	4000K	80	Polycarbonate Dome	Medium
HCE-LMN2-CJHV-ZGN	17,500	129	136	CE/RCM	4000K	80	Polycarbonate Dome	Medium
HCE-LMN2-BJHV-ZGN	12,750	102	125	CE/RCM	4000K	80	Polycarbonate Dome	Medium
HCE-LMN2-AJHV-ZGN	9,950	80	124	CE/RCM	4000K	80	Polycarbonate Dome	Medium
<b>Low Bay - 100-277 VAC Models - Hex Wiring Box</b>								
LWE-LUN2-9JAV-ZGN	8,750	80	109	CE/RCM	4000K	80	Polycarbonate Dome - Diffused	Ultra Wide

### Notes

For High Bay aisle optic options, change the 5th character from "M" to "E"

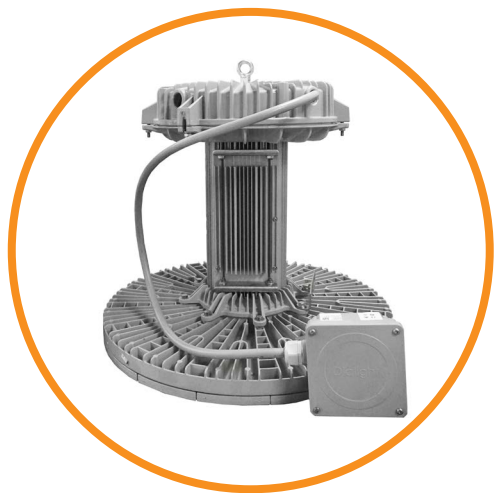
For cool white options, change the 6th character from "N" to "C"

Please consult factory for other lenses, beam distribution angles, mounting options, cable and plug accessories

Please reference spec sheet at [www.dialight.com](http://www.dialight.com) for all High Bay technical information.

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## Vigilant® High Bay - High Output



### Certifications & Ratings

- 10 year warranty
- CE
- IP66/67

Our Vigilant® High Bay 42,000-72,000lm fixture can communicate wirelessly with all components in the IntelliLED™ system.

### Mechanical Information:

#### Fixture weight:

120-277 VAC models: 32.2 kg (71 lbs)  
347/480 VAC models: 39.5 kg (87 lbs)

#### Shipping weight:

120-277 VAC models: 38.6 kg (85 lbs)  
347/480 VAC models: 45.8 kg (101 lbs)

Note that the wire box is installed separately from the housing. This allows single installer for fixtures.

120-277 VAC wire box: 6.6 kg (15 lbs) [mount first]  
347/480 VAC wire box: 6.3 kg (14 lbs) [mount first]  
Light fixture (base): 25.6 kg (56 lbs) [mount last]

#### Mounting:

(1) 3/4" NPT - top  
(4) 3/4" NPT - sides

### Variable Dimming:

**Variable dimming cable:** Two conductor cable

**Power cable:** Three conductor cable

**Variable dimming control:** 0-10 VDC

**Dimming range:** 10 VDC = 100% light output  
0 VDC = 5% light output

### Electrical Specifications:

**Operating voltage:** 120-277 VAC, 50/60Hz  
347/480 VAC, 50/60Hz

**Total system power consumption:** See table

**Operating temp:** -40°C to +65°C (-40°F to +149°F)

**Harmonics:** IEC 61000-3-2

**Noise requirement /EMC:** FCC Title 47, Subpart B, Section 15, class A device. RF Immunity; 10V/m, 80MHz-1GHz

**Transient protection:** 6kV/3kA combination wave, as per IEEE C62.41, line-line and line-ground

**THD:** <20%

**Power factor:** >0.9

### Construction:

**Housing:** Copper free aluminum

**Finish:** Superior dual coat finish  
- Sealed polyester topcoat  
- Chemical-resistant epoxy primer

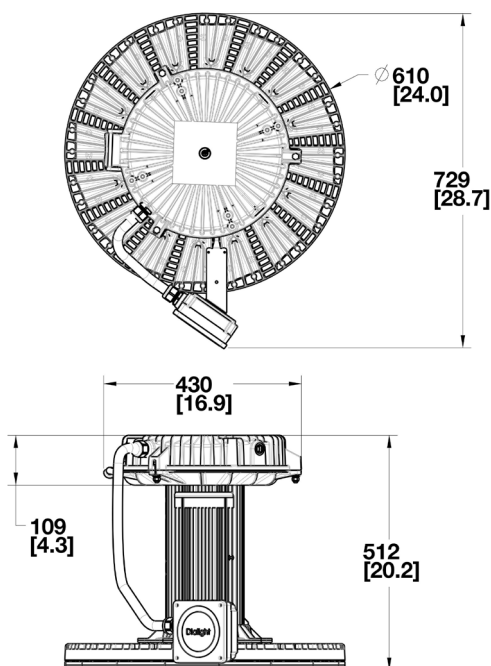
**Lens:** Tempered glass, acrylic, polycarbonate

### Photometric Information:

**CRI:** 80

**CCT:** 5000K (cool white)  
4000K (neutral white)

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



Dimensions in mm [inches]

Please reference spec sheet at [www.dialight.com](http://www.dialight.com) for all High Bay technical information.

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## Vigilant® High Bay - High Output

Ordering Information - CE/RCM - APAC								
Part Number	Lumens	Wattage	lm/W	IP Rating	Voltage	Colour Temperature (CCT)	Lens	Beam Distribution
High Bay - 100-277 VAC Models - Hex Wiring Box								
H6E-7MN2-RJHN-NGN	72,000	484	149	IP66	120-277 VAC	4000K (neutral white)	Glass	Medium
H6E-7NN2-RJHN-NGN	72,000	484	149	IP66	120-277 VAC	4000K (neutral white)	Glass	Narrow
H6E-7MN2-NJHN-NGN	60,000	414	145	IP66	120-277 VAC	4000K (neutral white)	Glass	Medium
H6E-7NN2-NJHN-NGN	60,000	414	145	IP66	120-277 VAC	4000K (neutral white)	Glass	Narrow
H6E-7MN2-KJHN-NGN	45,000	309	146	IP66	120-277 VAC	4000K (neutral white)	Glass	Medium
H6E7-NN2-KJHN-NGN	45,000	309	146	IP66	120-277 VAC	4000K (neutral white)	Glass	Narrow
High Bay - 415 VAC Models - Hex Wiring Box								
H6E-7NNC-RDHN-NGN	72,000	506	142	IP66/67	415 VAC	4000K (neutral white)	Glass	Narrow
H6E-7MNC-NDHN-NGN	60,000	431	139	IP66/67	415 VAC	4000K (neutral white)	Glass	Medium
H6E-7NNC-NDHN-NGN	60,000	431	139	IP66/67	415 VAC	4000K (neutral white)	Glass	Narrow
H6E-7MNC-KDHN-NGN	45,000	324	139	IP66/67	415 VAC	4000K (neutral white)	Glass	Medium
H6E-7NNC-KDHN-NGN	45,000	324	139	IP66/67	415 VAC	4000K (neutral white)	Glass	Narrow

Please reference spec sheet at [www.dialight.com](http://www.dialight.com) for all High Bay technical information.

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### Gateway Controller



The gateway wirelessly integrates fixtures and sensors, offering ground-level control for up to 120 nodes (fixtures and sensors).

#### Certifications & Ratings

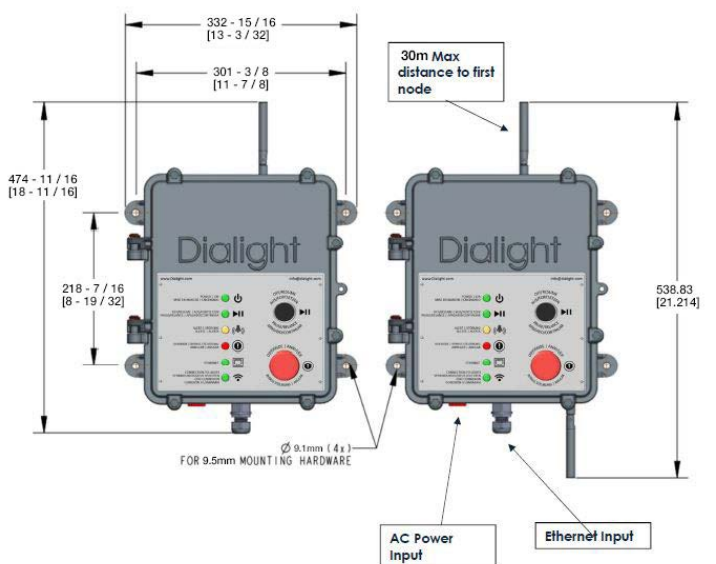
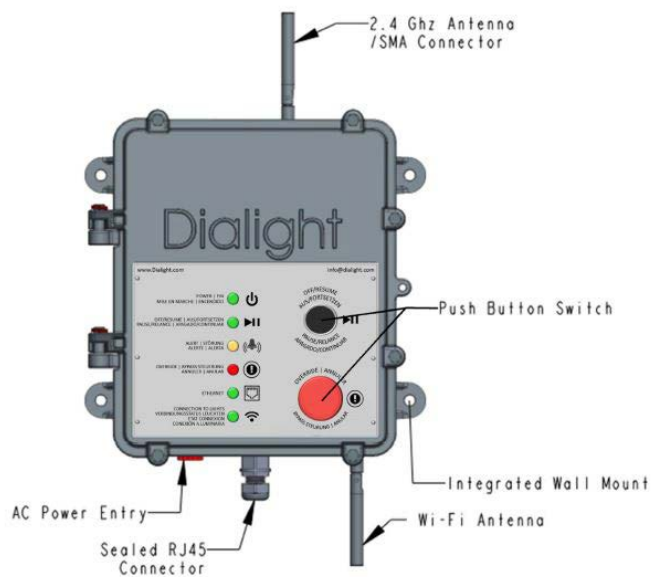
- 5 year warranty
- IP66
- EN 55032
- EN 55016-2-1
- EN 55016-2-3
- EN 61000-3-2
- EN 61000-3-3
- EN 61000-4-2
- EN 61000-4-3
- EN 61000-4-4
- EN 61000-4-5
- EN 61000-4-6
- EN 61000-4-11
- EN 61347-2-11+C1
- EN 61347-1+A1

#### 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

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Technical drawing of the front view of the device. The overall width is 178 mm (7.00 in). The overall height is 146 mm (5.75 in.). The central area features horizontal slats. On the right side, there is a vertical dimension of 90 mm (3.55 in.) indicating the height of the upper section. At the bottom center, there is a small rectangular component with three circular openings.

- 2 year warranty
- EN 55024:2010
- EN 61000-6-2:2005
- EN 61000-6-4:2007+A1:2011

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

Ordering Information	
Part Number	Description
DACN825AP	Enterprise Server (ES), with wired communication to Gateway

[www.dialight.com](http://www.dialight.com)

## Occupancy Sensor



Long Range

Wide Angle

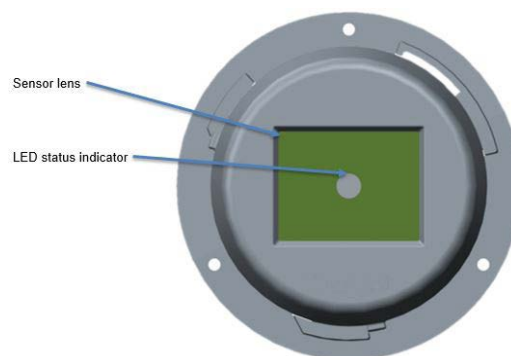
### Certifications & Ratings

- 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

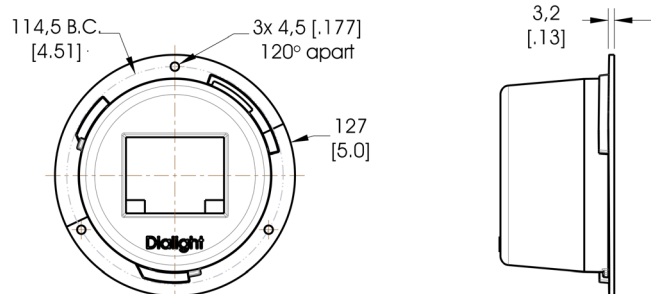
### Technical Specifications:

<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)
<small>*Realized lifespan may vary depending on operating temperature, type and condition of the batteries used and the frequency of traffic that triggers the sensor</small>	
<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
<small>All values typical unless otherwise stated (tolerance +/- 10%)</small>	

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

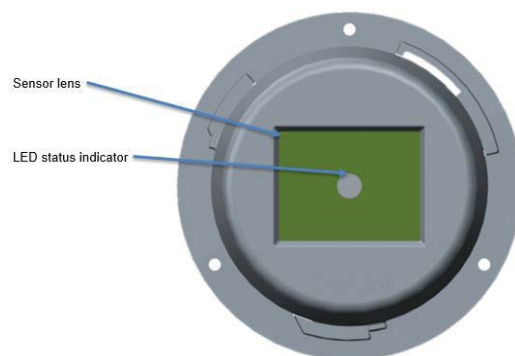
Part Number	Description
WOSU22BG2	Occupancy Sensor, battery powered sensor - wide angle
WOSU12BG2	Occupancy Sensor, battery powered sensor - long range

**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

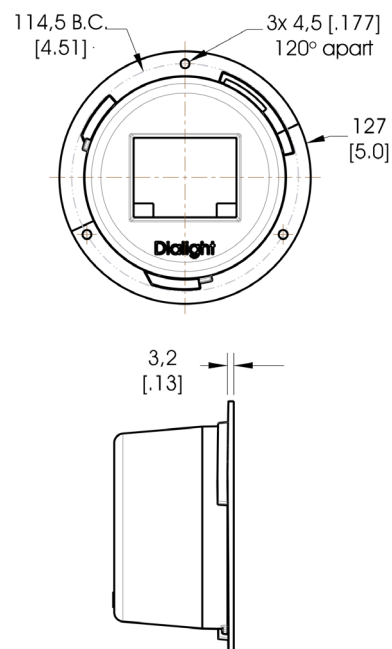
#### Green LED

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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### WARNING / DISCLAIMERS:

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