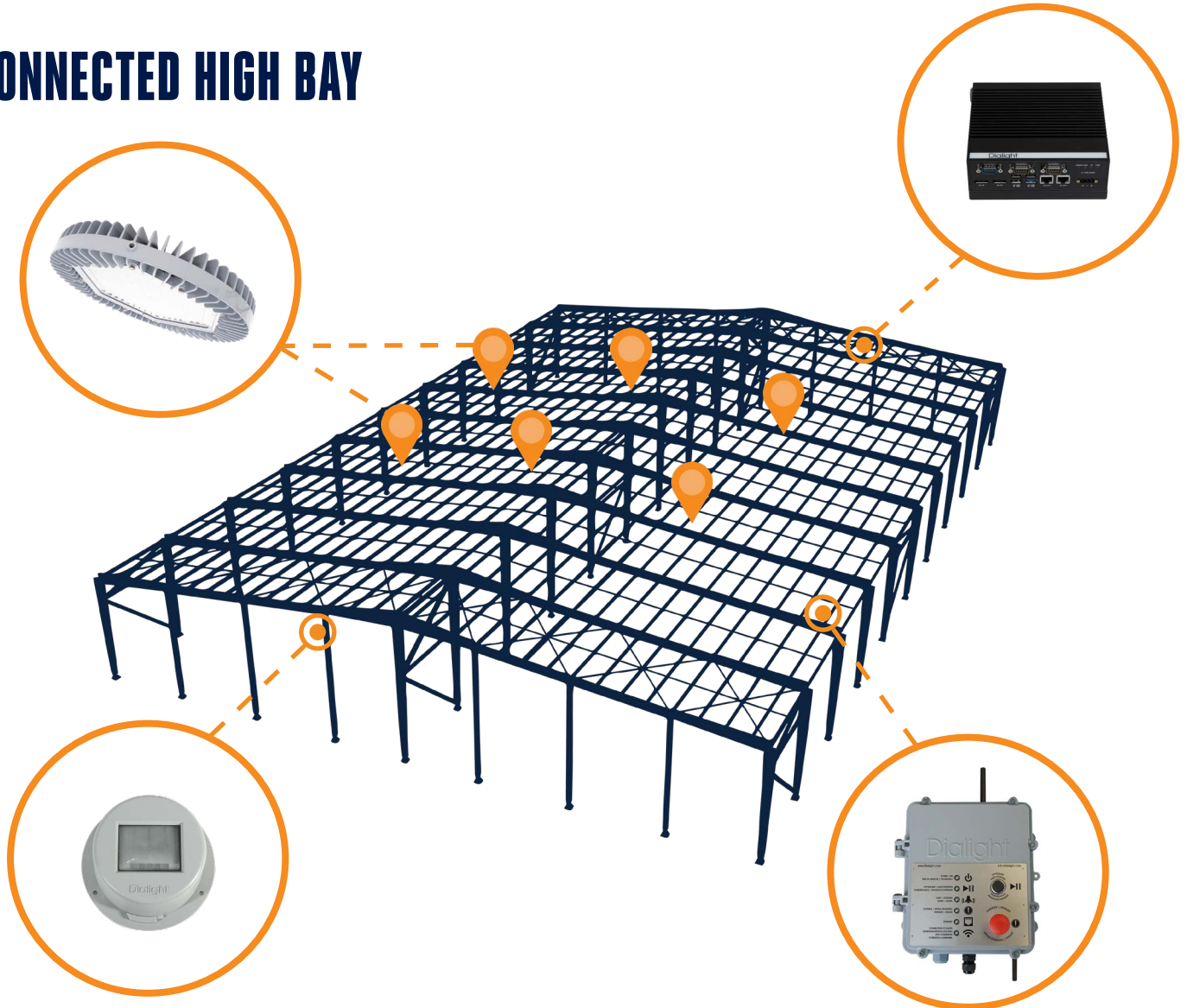


CONNECTED HIGH BAY



WIRELESS SENSORS

GATEWAY CONTROLLER

Dialight® IntelliLED™ Wireless Controls

Technical System Specification Sheet - UL

Vigilant® & SafeSite® Ultra-Efficient High Bay

Corded Model



Mechanical Information:

Fixture weight:
18 lbs (8.16kg)

Shipping weight:
24 lbs (10.8kg)

Mounting:
3/4" NPT - top
Various Kits

Power Cord:
10' 18 AWG ST00W/SOOW

Patent pending

Integrated Wiring Box Model



Mechanical Information:

Fixture weight:
20 lbs (9 kg)

Shipping weight:
26 lbs (12 kg)

Mounting:
3/4" NPT or Hook

Wiring Box Cable Entries:
(2x) 3/4" NPT

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
UL 1598/A
UL 8750
IP66/67

CSA C22.2 No. 250.0-08
NEMA 4X
L70 rated for >150,000 hours
Class I, Div. 2 Groups A, B, C, D (SafeSite® models only)

Variable Dimming:

Variable Dimming Control: 0-10 VDC

Dimming Range: 10 VDC = 100% light output
0 VDC = <10% light output

Occupancy Sensor:

Mounting Height: Up to 40ft
Ingress Protection: IP66

Electrical Specifications:

Operating Voltage: 100-277 VAC, 120-250 VDC
347-480 VAC

Total system power consumption: See table

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

Harmonics: IEC 61000-3-2 Class C

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

Transient protection: 100-277 VAC models tested to withstand up to 8kV/4kA per IEEE C62.41.
347-480 VAC models tested to withstand up to 6kV/3kA per IEEE C62.41

THD: <20%

Power Factor: >0.9

Fusing: Internal

Construction:

Housing: Copper free aluminum

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

Lens: See table

Photometric Information:

CRI: 80

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

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

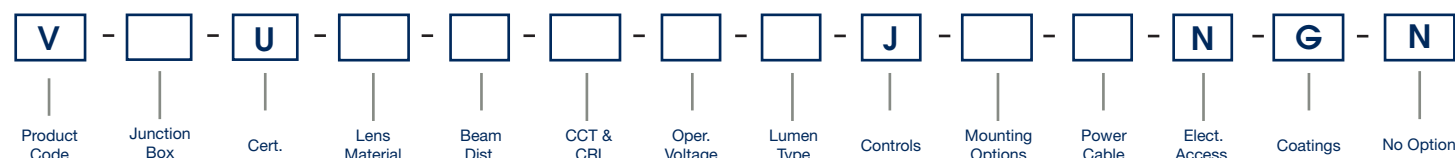
Dimensions in inches (mm)

Please reference spec sheet at www.dialight.com for all High Bay technical information.

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Vigilant® & SafeSite® Ultra-Efficient High Bay

Ordering Information



Product Code V Vigilant® Ultra-Efficient	CCT & CRI B Cool White 5000K - 70 CRI C Cool White 5000K - 80 CRI L Neutral White 4000K - 70 CRI N Neutral White 4000K - 80 CRI	Controls J IntelliLED Wireless	Electrical Accessories* N No Plug
Junction Box C Wiring Box E No Junction Box	Operating Voltage 2 100-277 VAC / 120-250 VDC 5 347-480 VAC	Mounting Options H Hook N 3/4" NPT P Secondary Retention Bracket	Coatings G Gray (RAL 7040)
Certification U UL 1598/A, CSA, NOM	Lumen Type¹ A 12,100 Lumens B 15,000 Lumens C 19,100 Lumens E 26,300 Lumens F 30,900 Lumens H 35,700 Lumens J 41,300 Lumens	Power Cable N No Cord (Wiring Box only) W 10' [3 meter] Power Cable	Option N No Option
Lens Material 4 Polycarbonate - Clear 7 Tempered Glass - Clear L Polycarbonate Dome - Diffused	Beam Distribution E Aisle M Medium N Narrow R High Efficacy Round		

*Cord & plug options available upon request

Notes

1) Lumen type based on using a glass lens, round optic, 70 CRI. See page 14 for output of other options.

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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

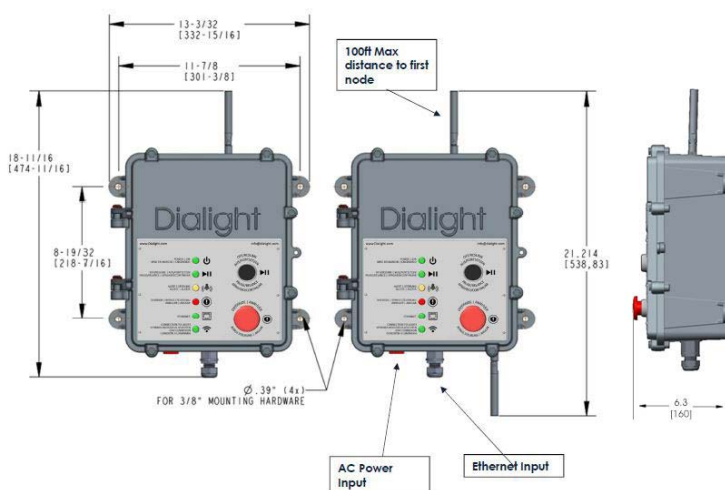
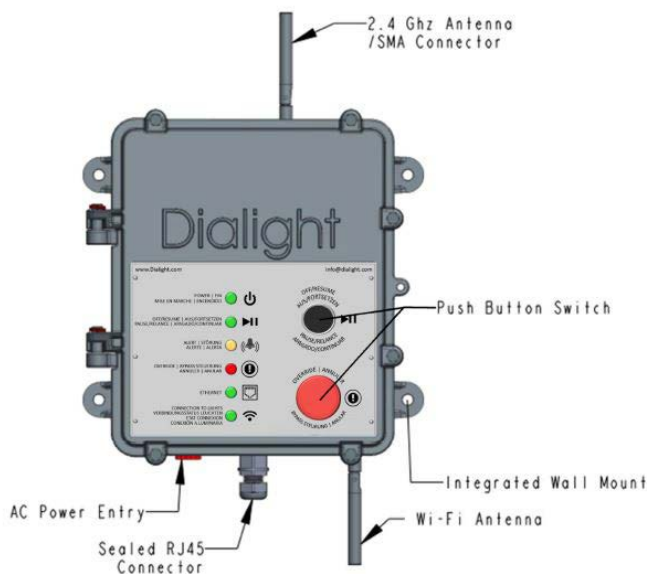
- 5 year warranty
- UL 916
- CSA C22.2 No. 205
- FCC
- Canada IC
- NEMA 4X
- IP66
- EN 55032
- EN 55016-2-1
- EN 55016-2-3
- EN 61000-3-2
- EN 61000-3-3
- EN 61000-4-2
- EN 61000-4-3
- EN 61000-4-4
- EN 61000-4-5
- EN 61000-4-6
- EN 61000-4-11

Technical Specifications:

Weight:	15.8 lbs (7.2 kg)
Shipping weight:	19.2 lbs (8.7 kg)
Operating voltage:	100-277 VAC, 50/60Hz
Operating temperature:	-40°F to +149°F (-40°C to +65°C)
Ethernet:	10/100/Gb Ethernet Wired and WIFI for connectivity/control
Wireless protocol:	2.4 GHz wireless mesh network
Maximum nodes*:	120
Dimensions (WxDxH):	13.09" x 6.3" x 21.214" 323.5mm x 160mm x 538.84mm
Quick disconnect:	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 inches [mm]

Ordering Information

Part Number	Description
GAUW24AG	Gateway (GW), wireless controller

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Enterprise Server



The Enterprise Server offers the flexibility for complete site-wide lighting management through an easy to use web interface.

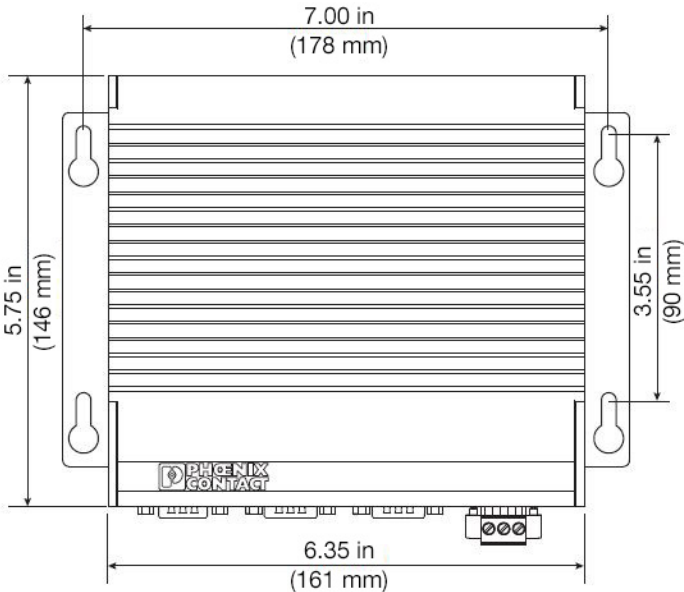
Certifications & Ratings

- 2 year warranty
- UL 508
- Dry location only
- EN 60068-2-6
- IEC 60068-2-27
- IEC 61000-6-2
- IEC 61000-4-2
- IEC 61000-4-3
- IEC 61000-4-4
- IEC 61000-4-5
- IEC 61000-4-6
- IEC 61000-4-8
- IEC 55022

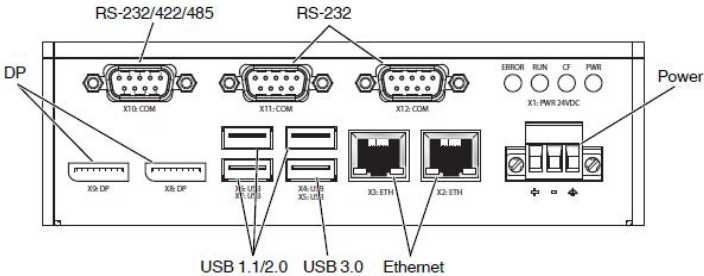
Technical Specifications:

Weight:	3.5 lbs (1.6 kg)
Shipping weight:	4.9 lbs (2.2 kg)
Operating voltage:	19.2-28.8 VDC, 65W
Operating temperature:	+32°F to +122°F (0°C to +50°C)
Ethernet:	10/100/Gb Ethernet
Wireless protocol:	2.4 GHz wireless mesh network
Memory (RAM/SSD):	8 GB DDR3 / 250 GB mSATA
Dimensions (WxDxH):	6.4" x 5.75" x 1.93" 162mm x 146.2mm x 49mm

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



Dimensions in inches [mm]



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

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Occupancy Sensor



Long Range

Wide Angle

Certifications & Ratings

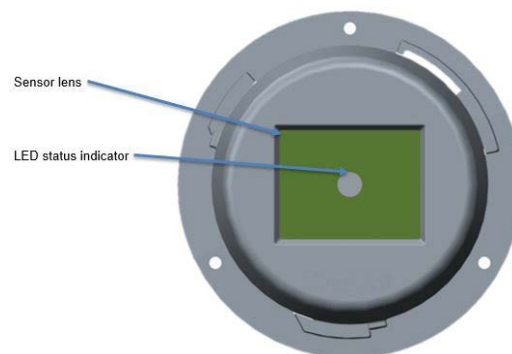
- 5 year warranty
- UL 916
- CSA C22.2 No. 205
- IP66

Technical Specifications:

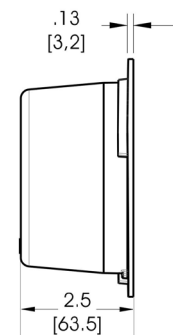
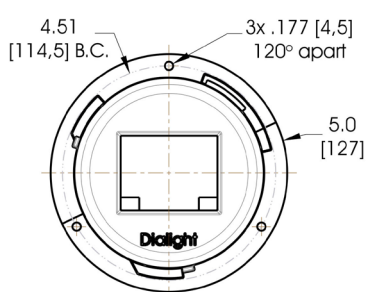
Weight:	8.8 oz (250 g)
Shipping weight:	1.5 lbs (0.7 kg)
Operating temperature:	-40°F to +140°F (-40°C to +60°C)
Power input:	2x "AA" lithium batteries 1.5V
Mounting:	Ceiling or walls at least 3' to 5' (900mm to 1500mm) height off the ground
Estimated battery life:	2-5 years (based on usage)
Radio frequency:	2.4Ghz
Dimensions (HxD):	5" x 2.5" 125mm x 63.5mm
Sensing area:	Wide angle - 20'-30', 1,250 sq ft, 120° Long range - 100' max, 7,600 sq ft, 10°
Sensing technology:	Passive infrared
Housing:	Grey polycarbonate
Lens:	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.



Green LED	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.
Red LED	A single red LED3 flash indicates motion detected and low battery voltage below 2.7 Volts.
Reset Button	Resets the processor.
LED On/Off Switch	Located on bottom of sensor board, it will turn the LED indicators ON or OFF.
Leave Button	Push and hold for 5 seconds to force sensor to leave its gateway.
Join Button	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 inches [mm]

Ordering Information

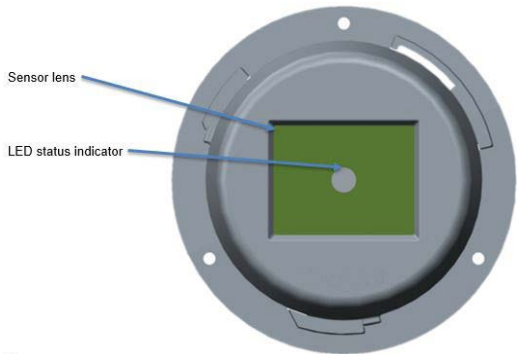
Part Number	Description
WOSU22BG2	Occupancy Sensor, battery powered sensor - wide angle
WOSU12BG2	Occupancy Sensor, battery powered sensor - long range

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Daylight Harvesting Sensor



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



Certifications & Ratings

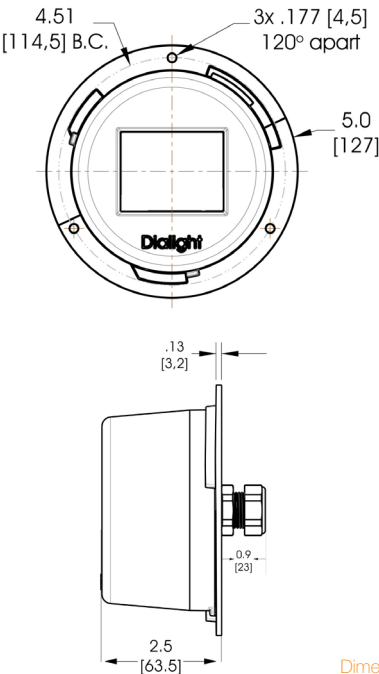
- 5 year warranty
- UL 916
- CSA C22.2 No. 205
- EN 55022: 2008
- EN 61000-4-5: 2014
- EN 61000-4-6: 2014
- EN 61000-4-11: 2004

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

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

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



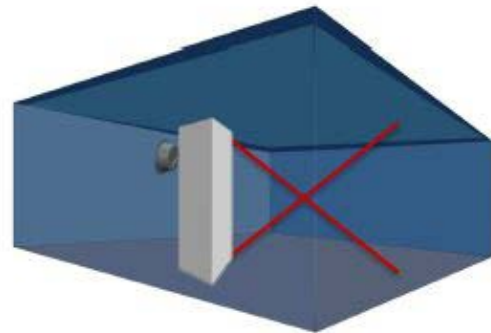
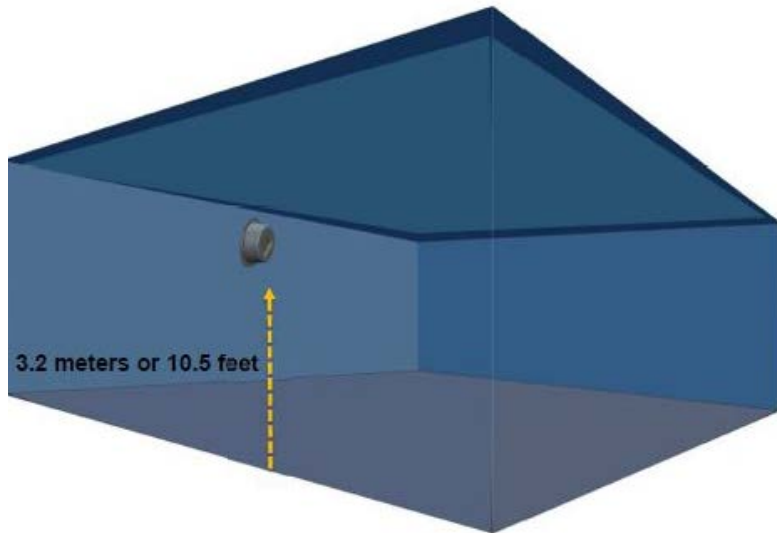
Dimensions in inches [mm]

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

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Sensor Mounting

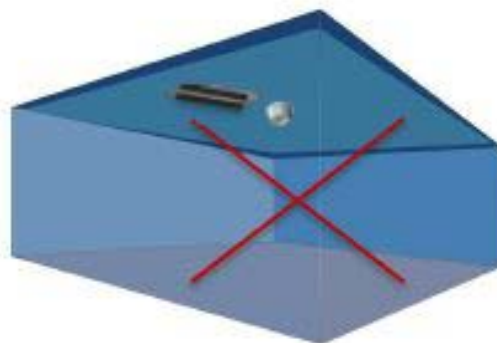
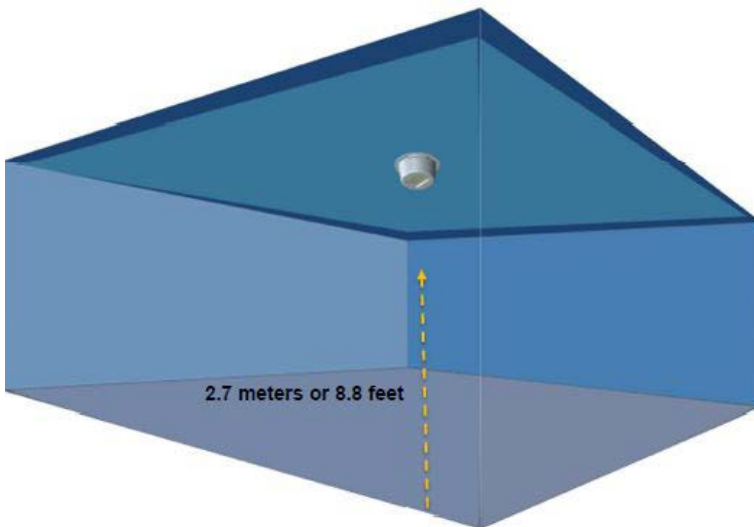
Long Range Sensor Wall Mount



The long range sensor is best used as a wall mounted sensor. The recommended install for this sensor is 3.2 meters or 10.5 feet from the floor.

Avoid placing sensors where obstacles can block the sensor's line of sight.

Wide Angle Sensor Ceiling Mount



The wide optic sensor is best used as a ceiling mounted sensor. The recommended install for this sensor is 2.7 meters or 8.8 feet from the floor.

Sensor should be mounted 6 feet away from any open air vent or strong air supply openings.

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