

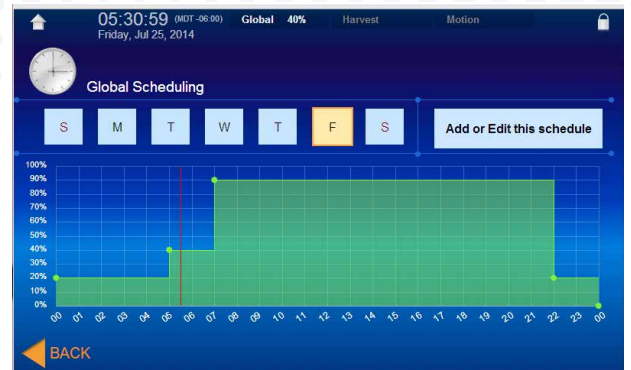


Vigilant[®] LED High Bay Controls - CE

for Indoor and Outdoor Industrial Applications

Take control of your lighting

The High Bay lighting control system combines Dialight's industry leading LED High Bay with a powerful yet simple to use High Bay Gateway.



On / Off Control

Instant on/off capabilities

- Take advantage of the instant on/off capabilities of LED lighting with the touch of a button

Dimming

Maximise your ROI by taking advantage of the easy to use dimming feature

- Adjust light output from 100% down to 20% in 5% increments
- Dimming events are faded for smooth transitions between light levels



Grouping

Fixtures can be combined into groups to allow quick control over different areas in a facility

- Fixtures can be set to blink for easy identification

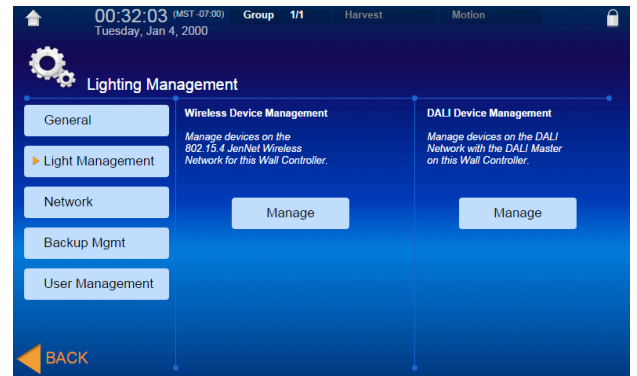
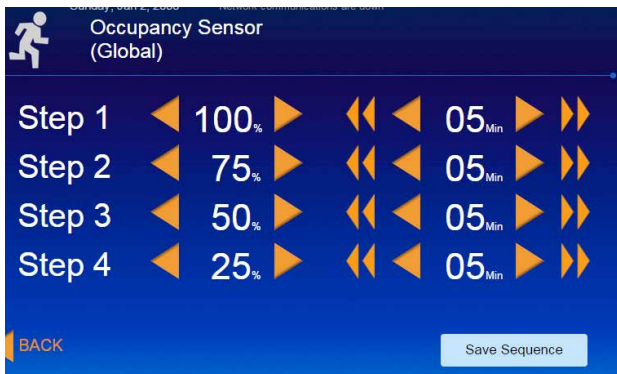
Scheduling

Dialight's comprehensive, energy efficient and fully customisable lighting schedule allows you to get the most out of your lighting network, 24/7

- Easily control when fixtures turn on, off or dim
- Lighting events are set by daily profiles and can be scheduled in one-minute intervals

Wireless IEEE 802.15.4 Standard

The DuroSite with Controls allows facilities to leverage numerous energy-saving and operational advantages



Frequency of operation

Standard communication platform

- 2.4GHz global digital communication standard



High Bay Gateway

Dialight's High Bay Gateway can be controlled by multiple devices

- Can be controlled from any Tablet or PC on the network
- One High Bay Gateway can control up to 100 lights

Mesh network topology

Increases reliability between Dialight's LED High Bay and network

- Extends network range by relaying network communications from light to light
- Increases reliability by self-healing wireless network routing

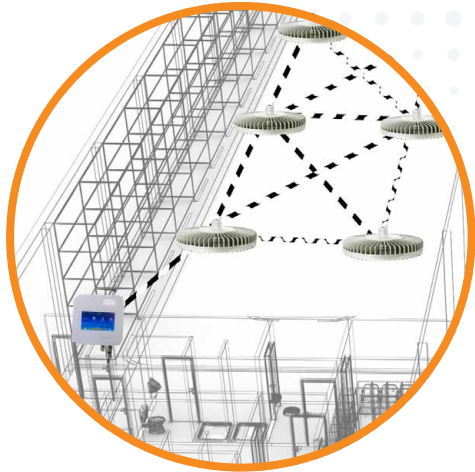
Secure encrypted communications

Secure authentication

- 128-bit AES encryption
- Secure authentication and device joining

Wired DALI System

The High Bay lighting control system combines Dialight's industry leading LED High Bay with a powerful yet simple to use High Bay Gateway.



DALI Communication

Create a fixture network

- Create a fixture network of up to 64 lights
- DALI communication wires can be wired without regard for polarity

Wi - Fi Connections

Directly connect to the High Bay Gateway from your Wi-Fi enabled device

Wi - Fi Connections

Direct Wi-Fi connectivity to the High Bay Gateway gives users the freedom to fully manage the lighting system while roaming about the lighting area.

- Fixtures can be set to blink for easy identification



Daylight Harvesting Sensor

Standard Models



Certifications & Ratings

- UL 916
- CSA 22.2 #205
- CE
- IP certification rating (pending)

Features & Benefits

- Capable of measuring up to 2000 lux (200 fc)
- Wireless communication to Gateway
- Low power consumption
- Separate mounting base for easy installation
- Fully compatible with Dialight WLC-004-MBAL Gateway

Mechanical Information:

- Fixture weight:** 283 g (10 oz)
- Shipping weight:** 510 g (18 oz)
- Dimensions:** 127 mm (5") D x 63.5 (2.5") H
- Mounting:** Mounting plate (comes with sensor)

Electrical Specifications:

- Operating voltage:** 110 – 277V AC, 50/60 Hz
- Total system power consumption:** ~300mW
- Operating temperature:** -25°C to +65°C (-13°F to +149°F)
- Lux measurement range:** 0 - 2000 lux

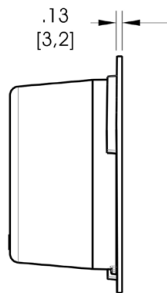
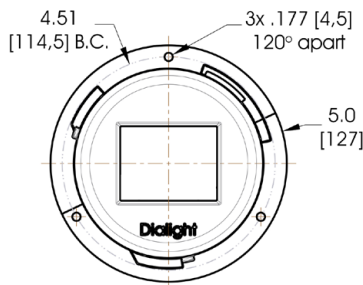
EMC:

- Emissions:** EN55022 Class A
- RF immunity:** IEC/EN61000-4-3 Class A, 10V/m
- Conducted immunity:** IEC/EN61000-4-6 Class A, 10V/m
- Surge:** IEC/EN61000-4-5 2kV/2 Ohms L -> N combination wave
- Voltage dips & interrupts:** IEC/EN61000-4-11 Class B

Construction:

- Housing:** UV stabilized polycarbonate
- Color:** Grey
- Lens:** UV stabilized polycarbonate

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

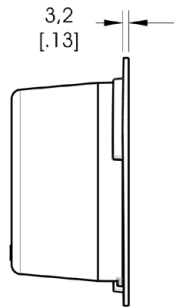
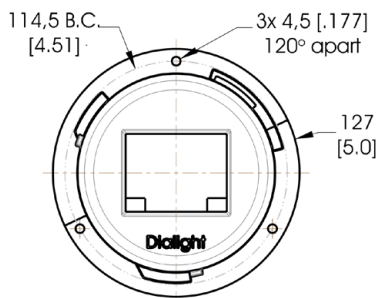


Dimensions are in inches [mm]

Part Number	Voltage
DLHU124UG	100 - 277V AC, 50/60 Hz

Wireless Occupancy Sensor

Standard Models



Dimensions in mm [inches]

Certifications & Ratings

- UL 916
- CE
- CSA 22.2 #205
- IP66
- 5 year full performance warranty

Mechanical Information:

Fixture weight:	283 g (10 oz)
Shipping weight:	510 g (18 oz)
Dimensions:	127 mm (5") D x 63.5 (2.5") H
Mounting:	Mounting plate (comes with sensor)

Electrical Specifications:

Operating voltage:	3.3V via 2 – AA Lithium Batteries (included)
Total system power consumption:	25 mW typical / 83 mW max
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:	1 kV line to line 2 kV line to ground
THD:	<20%
Power Factor:	> 0.9

Construction:

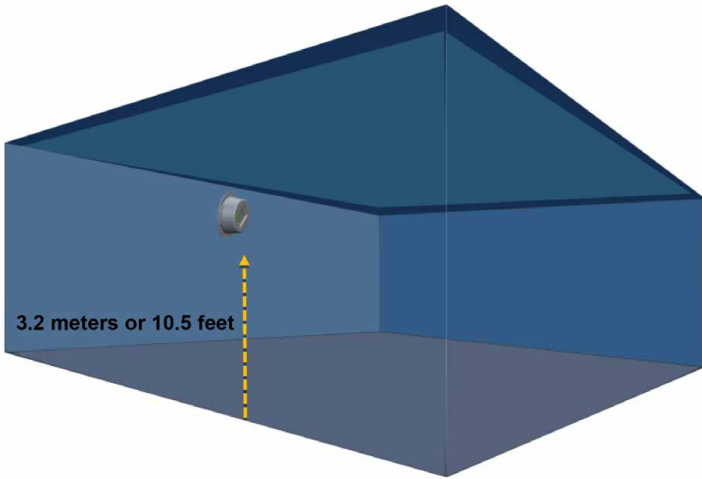
Housing:	UV stabilized polycarbonate
Finish:	Grey
Lens:	Fresnel

All values typical unless otherwise stated

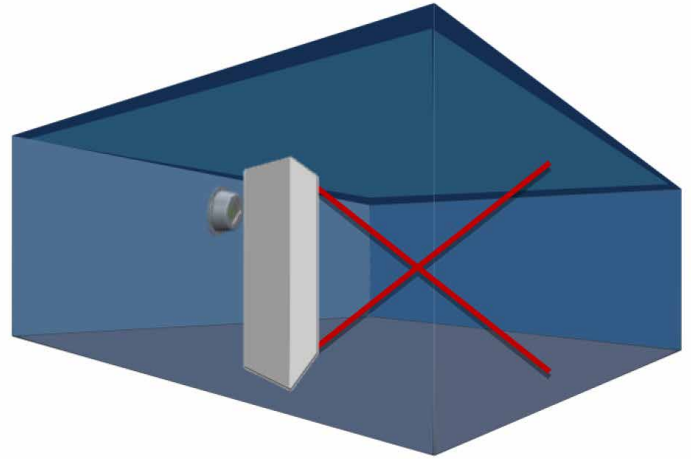
Wireless Occupancy Sensor

Ordering Information and Mounting Options

Mounting Options - Narrow

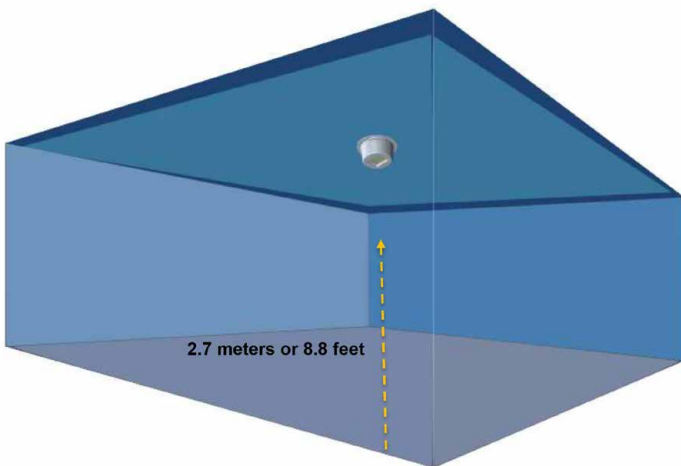


The long range sensor is best used as a wall mounted sensor. The recommended install for this sensor is 3.2 meters or 10.5 feet from the floor.

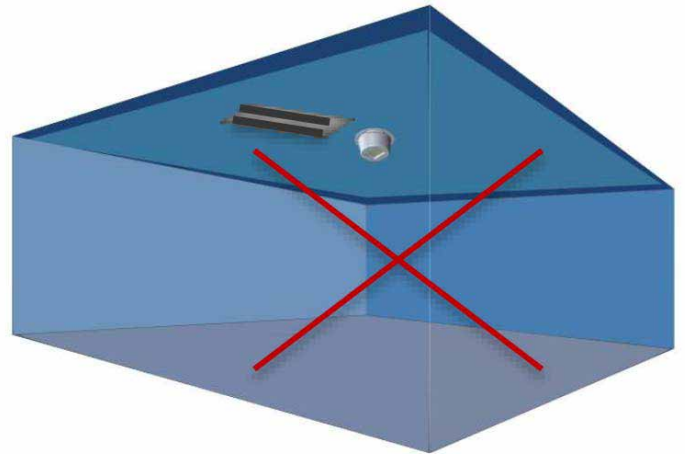


Avoid placing sensors where obstacles can block the sensors line of sight.

Mounting Options - Wide



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.



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

Part number	Voltage	Lens	Angle
WOSU12BG	3.3V via 2 – AA lithium batteries	Fresnel	Narrow
WOSU22BG	3.3V via 2 – AA lithium batteries	Fresnel	Wide

Vigilant® LED High Bay with Controls - CE

Standard Models



Certifications & Ratings

- CE
 - EN 55015:2006
 - EN 61547:2009
 - EN 60598:2008
 - EN 62471:2008
- IP66 to EN60529
- IEC60068
 - salt spray testing - severity 1
- IK05 to EN50102 (glass lens)

Features & Benefits

- 10 year full performance warranty
- L70 rated for >100,000 hours @ 25°C ambient
- Significantly reduced glare
- Instant on/off
- Maintenance free

Mechanical Information:

- Fixture weight:** 8.16 kg (18 lbs)
- Shipping weight:** 10.8 kg (24 lbs)
- Mounting:** 3.5m (10') STOOW Power Cord

Electrical Specifications:

- Operating Voltage:**
 - 26,500lm: 110 - 277V AC
 - 11,000 - 18,000lm: 100 - 277V AC
- 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/2 ohm combination wave, as per IEEE C62.41, line-line and line-ground
- THD:** <20%
- Power Factor:** > 0.9

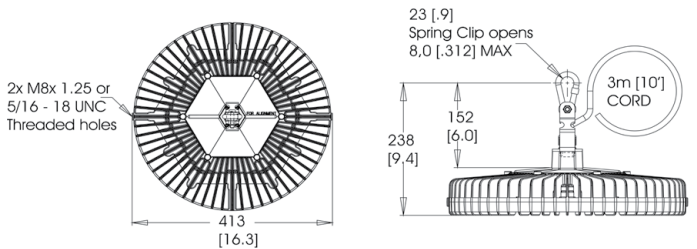
Construction:

- Housing:** Copper free aluminium
- Finish:** Superior dual coat finish
 - Sealed polyester topcoat
 - Chemical-resistant epoxy primer
- Lens:** Tempered glass

Photometric Information:

- CRI:** >75
- CCT:** 5000K (cool white)
4000K (neutral white)

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



Dimensions in mm [inches]

High Bay Gateway - CE

for Indoor and Outdoor Industrial Applications

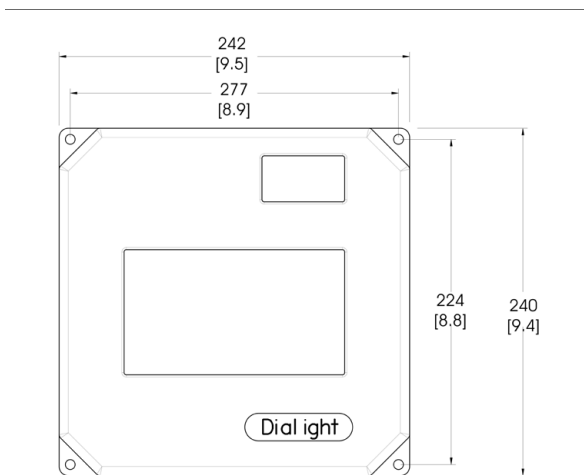


Physical Dimensions

- 241.3 mm (9.5 in) Width
- 241.3 mm (9.5 in) Height
- 50.8 mm (2 in) Depth

Screen

- 177.8 mm (7 in) Diagonal
- 152.4 mm (6 in) Wide
- 88.9 mm (3.5 in) High
- User Input: Resistive Touch screen
- Resolution – 800 x 480 pixels



Dimensions in mm [inches]

Mechanical Information:

- Fixture weight:** 3 kg (7 lbs)
- Shipping weight:** 8 kg (12 lbs)
- Mounting:** Four (4) 6.35mm (.25") Flat surface wall mounting screw holes
- Cabling:** RJ45 10/100MB Ethernet port

Electrical Specifications:

- Operating Voltage:** 120 - 277V AC
- Total system power consumption:** See table
- Operating Temp:** -40°C to +65°C
- Network Adapter:** RJ45 10/100MB Ethernet port

Construction:

- Housing:** Aluminum
Plastic available (consult factory)

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

Vigilant® LED High Bay with Controls - CE

Ordering Information

Part number	Initial Fixture Lumens	Wattage	Lm/W	IP Rating	Voltage	Colour Temperature (CCT)	Lens	Light Distribution
DuroSite LED High Bay - Jennet 2.4GHz								
HEEGMC4PJ-HNG	26,500	213	124	IP66	110 - 277V AC	5000K (cool white)	Tempered glass	Medium
HEEGRC4PJ-HNG	26,500	213	124	IP66	110 - 277V AC	5000K (cool white)	Tempered glass	Wide
HEEGMC4KJ-HNG	18,000	145	124	IP66	100 - 277V AC	5000K (cool white)	Tempered glass	Medium
HEEGRC4KJ-HNG	18,000	145	124	IP66	100 - 277V AC	5000K (cool white)	Tempered glass	Wide
HEEGMC4GJ-HNG	14,000	113	124	IP66	100 - 277V AC	5000K (cool white)	Tempered glass	Medium
HEEGRC4GJ-HNG	14,000	113	124	IP66	100 - 277V AC	5000K (cool white)	Tempered glass	Wide
HEEGMC4DJ-HNG	11,000	89	124	IP66	100 - 277V AC	5000K (cool white)	Tempered glass	Medium
HEEGRC4DJ-HNG	11,000	89	124	IP66	100 - 277V AC	5000K (cool white)	Tempered glass	Wide
DuroSite LED High Bay - DALI Protocol								
HEEGMC4PA-HNG	26,500	213	124	IP66	110 - 277V AC	5000K (cool white)	Tempered glass	Medium
HEEGRC4PA-HNG	26,500	213	124	IP66	110 - 277V AC	5000K (cool white)	Tempered glass	Wide
HEEGMC4KA-HNG	18,000	145	124	IP66	100 - 277V AC	5000K (cool white)	Tempered glass	Medium
HEEGRC4KA-HNG	18,000	145	124	IP66	100 - 277V AC	5000K (cool white)	Tempered glass	Wide
High Bay Gateway - DALI & Jennet								
WLC-004-MBAL		10W typical, 20W max			120 - 277V AC			

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

Part numbers in the table above are in cool white (5,000K CCT). For models needing neutral white (4,000K CCT), replace the 6th character with a N. Example: HEEGMC4PN-HNG becomes HEEGMN4PN-HNG. Deduct 8% from lumen values when specifying neutral.

For models needing a safety bracket replace the 10th character with an S. Example: HEEGMC4PN-HNG becomes HEEGMC4PN-HSG



HBXW3

- Aluminium swivel bracket



HBXW3-SSL-316M

- 316 stainless steel bracket

HBXW3-SSL-304M

- 304 Stainless steel bracket



FLX-1HBX-SS

- 304 stainless steel forward throw bracket



HBXSBDK

- Sand blast kit (dome lens)

HBXSBDL

- Sacrificial dome lens



HBXGS

- Glare shield (internal use only, for use with flat lens)



HBXSBK

- Sand blast kit (flat lens)

HBXSBL

- Sacrificial flat lens

