



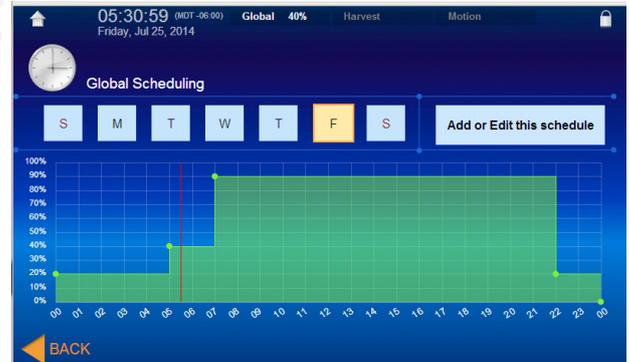
# DuroSite<sup>®</sup> LED High Bay with DALI or Wireless Controls - CE

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

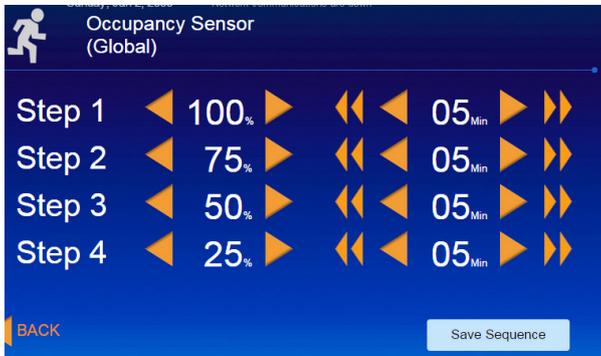
## Scheduling

### 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

### Dialights High Bay Gateway can be control with multiple devices

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

## Mesh network topology

### Increases reliability between Dialights' LED High Bay and network

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

## Communications Range

### Long communication range from controller to fixture

- Up to 30m from the High Bay Gateway to the first fixture and 30m from fixture to fixture

## Secure encrypted communications

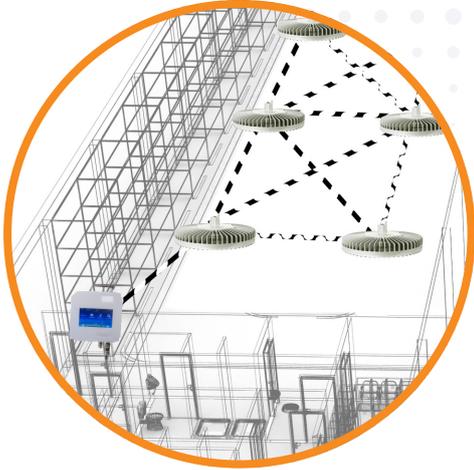
### Secure authentication

- 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 fixtures can be mounted up to 984' (300m) apart and away from the High Bay Gateway
- 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



# DuroSite 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

- 5 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:** 7.7kg (17lbs)
- Shipping weight:** 10.43kg (23 lbs)
- Mounting:** 3.5m (10') STOOV Power Cord

### Electrical Specifications:

- Operating Voltage:** 100 – 277V AC
- Total system power consumption:** See table
- Operating Temp:** -40°C to +65°C)
- 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

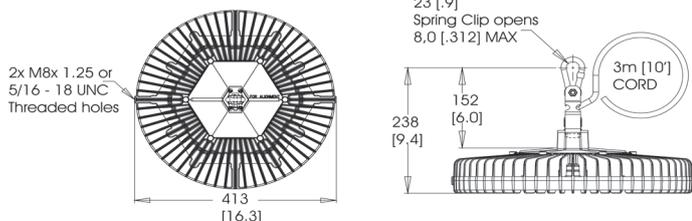
### Construction:

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

### Photometric Information:

- CRI:** >70
- CCT:** 5000K (cool white)  
4000K (neutral white)

All values typical unless otherwise stated



Dimensions are in mm (Inches)

# High Bay Gateway - CE

for Indoor and Outdoor Industrial Applications



### Physical Dimensions

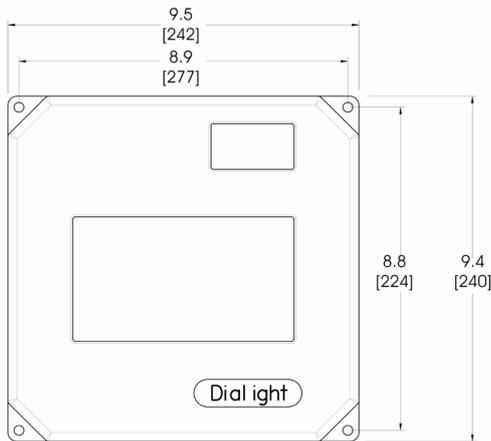
- 241.3mm Width
- 241.3mm Height
- 50.8mm Depth

### Screen

- 177.8mm Diagonal
- 152.4mm Wide
- 88.9mm High
- User Input: Resistive Touch screen
- Resolution – 800 x 480 pixels

### Features & Benefits

- 5 year full performance warranty



Dimensions are in inches (mm)

### Mechanical Information:

- Fixture weight:** 3.18kg (7lbs)
- Mounting:** Four 6.35mm (.25In) 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:** Aluminium  
Plastic available (consult factory)

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

# DuroSite 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
<b>DuroSite LED High Bay - Jennet 2.4GHz</b>								
HBGCMP-EUH-Z2	17,000	175	97	IP66	100 - 277V AC	5000K (cool white)	Tempered glass	Medium
HBGNMP-EUH-Z2	15,500	175	89	IP66	100 - 277V AC	4000K (neutral white)	Tempered glass	Medium
HB2CMP-EUH-Z2	14,750	175	84	IP66	100 - 277V AC	5000K (cool white)	Polycarbonate	Medium
HBGC4P-EUH-Z2	14,500	151	96	IP66	100 - 277V AC	5000K (cool white)	Tempered glass	Medium
HBEC4P-EUH-Z2	13,500	164	82	IP66	100 - 277V AC	5000K (cool white)	Tempered glass	Oval
HBGN4P-EUH-Z2	12,750	157	81	IP66	100 - 277V AC	4000K (neutral white)	Tempered glass	Medium
HB2C4M-EUH-Z2	10,000	151	66	IP66	100 - 277V AC	5000K (cool white)	Polycarbonate	Medium
<b>DuroSite LED High Bay - DALI Protocol</b>								
HBGCMP-EUH-D1	17,000	175	97	IP66	100 - 277V AC	5000K (cool white)	Tempered glass	Medium
HBGC4P-EUH-D1	14,000	157	89	IP66	100 - 277V AC	5000K (cool white)	Tempered glass	Medium
<b>High Bay Gateway - DALI &amp; Jennet</b>								
WLC-004-MBAL		10W typical, 20W max			120 - 277V AC			

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



**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

