

## Vigilant® H2 Series LED High Bay - CE

for Indoor and Outdoor Industrial Applications



# On when it matters most.

Products and solutions that protect your business





## **Features & Benefits**

- 10 year full performance warranty
- 140 lm/W Typical
- L70 rated for >100,000 hours
- Significantly reduced glare
- Instant on/off
- Maintenance free
- Mercury free
- No UV or IR
- Resistant to shock and vibration

## **Application**

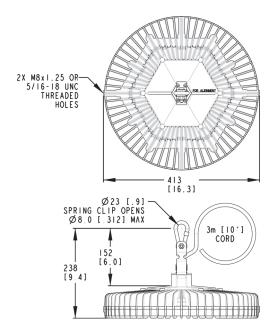
At 140 lumens per Watt, Dialight's new ultra-efficient industrial LED High Bay revolutionises the world of LED lighting and leads the LED luminaire market with the highest level of efficacy. With a marketleading 10 year full performance warranty, the new Vigilant® High Bay utilises cuttingedge optical and electrical design to provide for significantly reduced glare and superior light distribution.

## Vigilant LED High Bay - CE

#### **Standard Models**



Patent pending



Dimensions in mm (inches)

#### Certifications & Ratings

• CE

EN 55015:2013 EN 61547:2009

EN 60598:2008

 IEC60068 salt spray testingseverity 1

- IK05 to EN50102
- IP66 to FN60529

#### **Mechanical Information:**

 Fixture weight:
 8.16kg (18lbs)

 Shipping weight:
 10.8kg (24lbs)

Mounting: Hook (supplied) or

Swivel bracket (supplied separately)

Cabling: 3m (10') PVC Power Cord

#### **Electrical Specifications:**

Operating Voltage: 110 – 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

Transient protection: Protection devices capable of handling

up to 6kV. Tested for 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 aluminum

Finish: Superior dual coat finish

Sealed polyester topcoatChemical-resistant epoxy prime

**Lens:** Tempered glass

#### **Photometric Information:**

**CRI:** 75

80 min. option available

CCT: 5000K (cool white)

4000K (neutral white)

\*Wireless and DALI controls available for select models, please reference the controls brochure

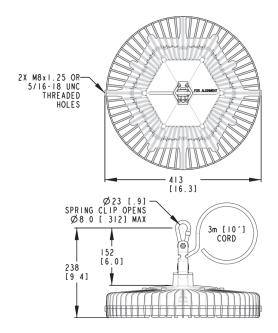
All values typical unless otherwise stated Lumen values are typical (tolerance +/- 10%)

## Vigilant H2 Series LED High Bay - CE

#### **Variable Dimming Models**



Patent pending



Dimensions in mm (inches)

#### **Features & Benefits**

- 3 meter, 5 core PVC cable pre-installed
- Multiple High Bays can be connected to the same dimmer

#### **Mechanical Information:**

Fixture weight: 8.16kg (18lbs) Shipping weight: 10.8kg (24lbs)

Mounting: Hook (supplied) or

Swivel bracket (supplied separately)

Cabling: 3m (10') PVC Power Cord

**Variable Dimming:** 

Variable Dimming Cable: Dimming connection is via 2 conductors included in the standard,

factory installed, 5-core cable

Variable Dimming Control: 0-10V DC

**Dimming Range:** 10V DC = 100% light output

OV DC = 30% light output

#### **Electrical Specifications for High Bay:**

**Operating Voltage:** 110 - 277V AC 480V AC

Total system power

See table consumption:

**Operating Temp:** -40°F to +149°F (-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

Protection devices capable of handling up to 6kV. Tested for 6kV/2 ohm Transient protection:

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 prime

Lens: Tempered glass

**Photometric Information:** 

CRI:

CCT: 5000K (cool white)

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

## Vigilant LED High Bay - CE

### **Options and Accessories**



#### 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**

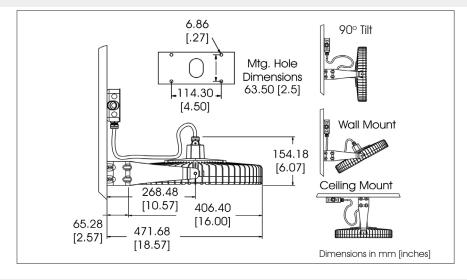
• Glare sheild (internal use only, for use with flat lens)



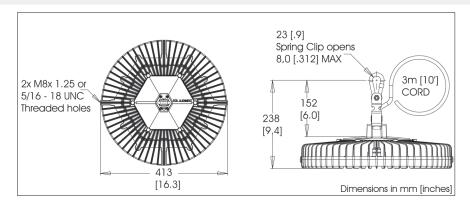
#### **HBXSBK**

- Sand blast kit (flat lens)
   HBXSBL
- Sacrificial flat lens





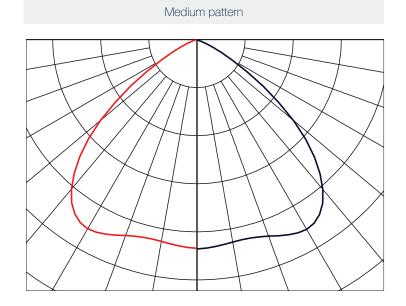
#### Standard hook dimensions



# Vigilant LED High Bay - CE Options and Accessories Drawings

Part Number	Initial Fixture Lumens	Wattage	Lm/W	IP Rating	Voltage	Colour Temperature (CCT)	Lens	Light Distribution
Standard Models								
H2EGMC4NN-HNG	25,250	180	140	IP66	110 - 277V AC	5000K (cool white)	Tempered glass	Medium
Variable Dimming Models								
H2EGMC4ND-HNG	25,250	180	140	IP66	110 - 277V AC	5000K (cool white)	Tempered glass	Medium

#### Light Distribution Patterns



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