

# Dialight



## Vigilant<sup>®</sup> LED High Bay - VDE / CE / ENEC

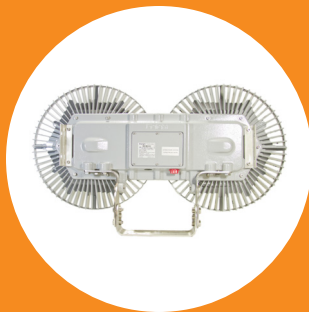
for Indoor and Outdoor Industrial Applications



# On when it matters most.

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Products and solutions that protect your business





## Features & Benefits

- 10 year full performance warranty
- L70 rated for >100,000 hours @ 25°C ambient
- Significantly reduced glare
- Instant on/off
- Maintenance free
- Mercury free
- No UV or IR
- Resistant to shock and vibration
- Reflector based optics for precise light control
- Temperature compensation technology for long life

## Application

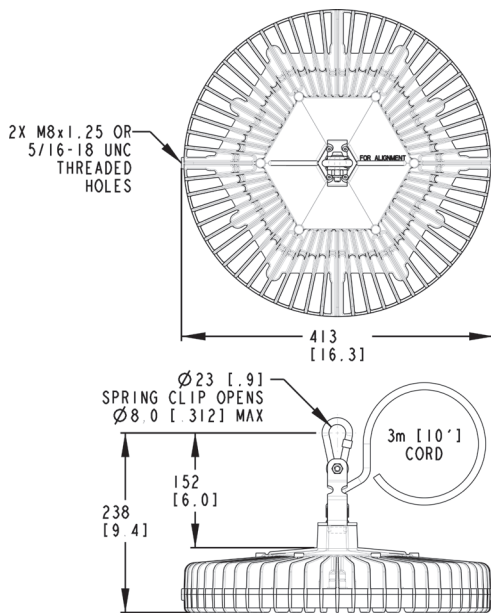
The Dialight Vigilant® LED High Bay luminaire was designed specifically to replace conventional lighting in a wide variety of industrial applications, both indoor and outdoor. Its low profile, light weight design and versatile mounting options make it ideal for many applications such as high bay lighting, warehouses, factories, cold stores, restricted access areas, service areas and other applications with mounting heights greater than 4 meters.

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## Standard Models



Patent pending



Dimensions in mm (Inches)

### Certifications & Ratings

- CE  
Certificate # 40042266  
DIN EN 60598-1:2009-09;  
EN 60598-1:2008+A11  
DIN EN 60598-2-6:1995-10;  
EN 60598-2-6:1994  
DIN EN 60598-2-6/A1:1997-09;  
EN 60598-2-6/A1:1997  
DIN EN 60598-2-24:1997-07;  
EN 60598-2-24:1998  
EN 61547  
EN 55015
- IEC60068  
Salt spray testing - severity 1
- IP66 to EN60529
- IK10 to EN50102  
(Polycarbonate lens)
- IK06 to EN50102  
(Acrylic lens)
- IK05 to EN50102  
(Glass lens)
- D-Marking to EN60598 2-24

### Mechanical Information:

|                         |                         |
|-------------------------|-------------------------|
| <b>Fixture weight:</b>  | 8kg (18lbs)             |
| <b>Shipping weight:</b> | 11kg (24lbs)            |
| <b>Mounting:</b>        | Hook (included)         |
| <b>Entries:</b>         | 3m (10') PVC Power Cord |

### Electrical Specifications:

|  |  |   |
|--|--|---|
| <b>Operating Voltage:</b>              | 110 – 277V AC: 24,750lm models   | 100 – 277V AC: 10,250 - 16,750lm models |
| <b>Total system power consumption:</b> | See table  |   |
| <b>Operating Temp:</b>                 | -40°C to +65°C (-40°F to +149°F)   |   |
| <b>Harmonics:</b>                      | IEC 61000-3-2  |   |
| <b>Transient protection:</b>           | 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 |   |
| <b>THD:</b>                            | <20%   |   |
| <b>Power Factor:</b>                   | > 0.9  |   |

### Construction:

|                 |  |
|-----------------|--|
| <b>Housing:</b> | Copper free aluminium  |
| <b>Finish:</b>  | Superior dual coat finish<br>- Sealed polyester topcoat<br>- Chemical-resistant epoxy primer |
| <b>Lens:</b>    | Tempered glass (standard)  |

### Photometric Information:

|             |   |
|-------------|---|
| <b>CRI:</b> | 75  |
| <b>CCT:</b> | 5000K (cool white)<br>4000K (neutral white) |

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

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## 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

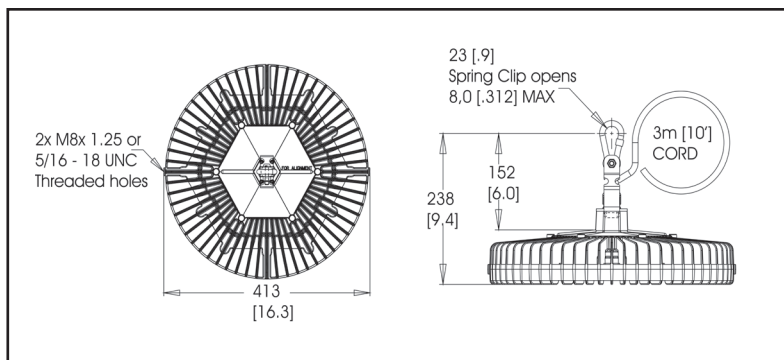


**HBXGS**  
 • Glare shield (internal use only, for use with flat lens)



**HBXSBK**  
 • Sand blast kit (flat lens)  
**HBXSBL**  
 • Sacrificial flat lens

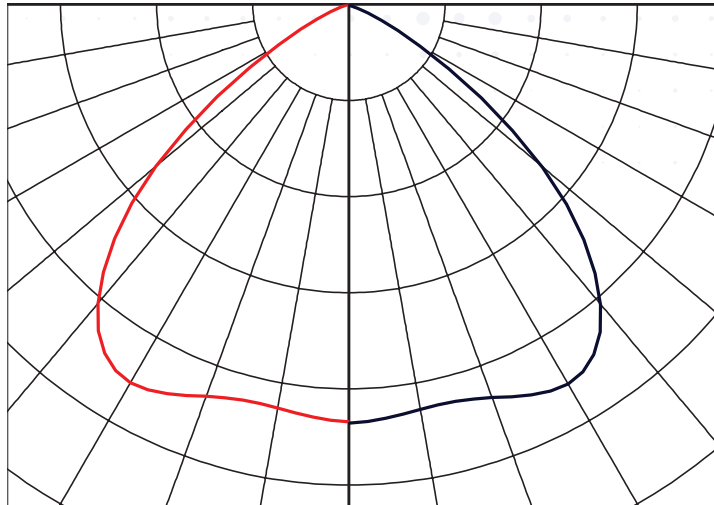
### Standard hook dimensions



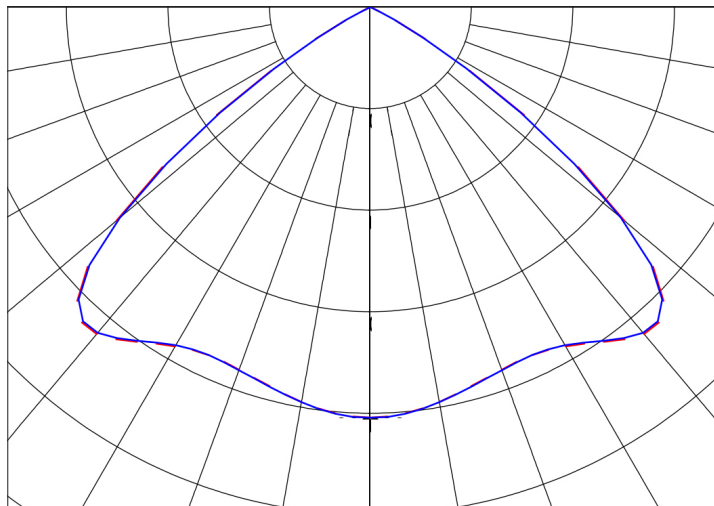
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## Light Distribution Patterns

Medium pattern



Wide pattern



# Vigilant LED High Bay - VDE / CE / ENEC

## Ordering Information

| Part Number     | Initial Fixture Lumens | Wattage | Lm/W | IP Rating | Voltage       | Colour Temperature (CCT) | Lens           | Light Distribution |
|-----------------|------------------------|---------|------|-----------|---------------|--------------------------|----------------|--------------------|
| Standard Models |                        |         |      |           |               |                          |                |                    |
| HEVGMC4PN-HNG   | 24,500                 | 212     | 114  | IP66      | 110 - 277V AC | 5000K (cool white)       | Tempered glass | Medium             |
| HEVGRC4PN-HNG   | 24,500                 | 212     | 114  | IP66      | 110 - 277V AC | 5000K (cool white)       | Tempered glass | Wide               |
| HEVGMC4KN-HNG   | 16,500                 | 144     | 114  | IP66      | 100 - 277V AC | 5000K (cool white)       | Tempered glass | Medium             |
| HEVGRC4KN-HNG   | 16,500                 | 144     | 114  | IP66      | 100 - 277V AC | 5000K (cool white)       | Tempered glass | Wide               |
| HEVGMC4GN-HNG   | 13,750                 | 112     | 122  | IP66      | 100 - 277V AC | 5000K (cool white)       | Tempered glass | Medium             |
| HEVGRC4GN-HNG   | 13,750                 | 112     | 122  | IP66      | 100 - 277V AC | 5000K (cool white)       | Tempered glass | Wide               |
| HEVGMC4DN-HNG   | 10,750                 | 88      | 122  | IP66      | 100 - 277V AC | 5000K (cool white)       | Tempered glass | Medium             |
| HEVGRC4DN-HNG   | 10,750                 | 88      | 125  | IP66      | 100 - 277V AC | 5000K (cool white)       | Tempered glass | Wide               |

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

All models shown in the table are cool white, for models in neutral white, 4000K CCT, replace the 6th character with an **N**. Ex: HEVGMC4PN-HNG becomes HEVGMN4PN-HNG. Deduct 5% from lumen values when specifying neutral.

For models needing a safety bracket, replace the 11th character with a **S**. Example HEVGMC4PN-HNG becomes HEVGMC4PN-HSG.

Part numbers listed in the tables above come with a glass lens. For models needing a polycarbonate dome lens, replace the 4th character with a **L**. Ex: HEVGMC4PN-HNG becomes HEVLMC4PN-HNG.

For models needing a flat acrylic lens, replace the 4th character with a **1**. Ex: HEVGMC4PN-HNG becomes HEV1MC4PN-HNG. For models needing a flat polycarbonate lens, replace the 4th character with a **2**. Ex: HEVGMC4PN-HNG becomes HEV2MC4PN-HNG.

