Maintenance Comparison

10 years

- Typical non-Dialight LED product
- High Pressure Sodium
- Fluorescent
- Metal Halide
About Dialight

With over 40 years of industrial LED lighting experience and the largest installed base in the world, Dialight’s extensive network of support staff, distributor and channel partners are ready to help you select among our wide range of products to identify a lighting solution that meets your specific needs.

**Reliant™**
- LED lighting for light industrial applications
- 10 year warranty

**Vigilant®**
- LED lighting for general industrial applications
- 10 year warranty

**DuroSite®**
- LED lighting for general industrial applications
- 5 & 10 year warranty

**SafeSite®**
- LED lighting for hazardous applications
- 5 & 10 year warranty
Hazardous Area Ratings

Fixed and portable fixtures for installation and use in hazardous areas.

Zones
The zone defines the probability of hazardous material being present in an explosive concentration in the atmosphere.

<table>
<thead>
<tr>
<th>Zone</th>
<th>Hazardous Material in Surrounding Atmosphere</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zone 0, 20</td>
<td>Area in which an explosive gas / dust mixture is continuously present or present for long periods</td>
</tr>
<tr>
<td>Zone 1, 21</td>
<td>Area in which an explosive gas / dust mixture is likely to occur for short periods in normal operation</td>
</tr>
<tr>
<td>Zone 2, 22</td>
<td>Area in which an explosive gas / dust mixture is present for a very short time due to an abnormal condition</td>
</tr>
</tbody>
</table>

Protection Types
The protection types are used to denote the protection concept utilised in the devices.

<table>
<thead>
<tr>
<th>Ex</th>
<th>Presence of Hazardous Material</th>
<th>Zones</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ex d</td>
<td>Flameproof (Explosion proof) Enclosure</td>
<td>1, 21, 2, 22</td>
</tr>
<tr>
<td>Ex e</td>
<td>Increased Safety</td>
<td>1, 21, 2, 22</td>
</tr>
<tr>
<td>Ex m</td>
<td>Encapsulation</td>
<td>1, 21, 2, 22</td>
</tr>
<tr>
<td>Ex n or N</td>
<td>Non incendive or/and normally no sparking circuits</td>
<td>2, 22</td>
</tr>
</tbody>
</table>

Temperature Ratings
Certified equipment is tested for maximum temperature rating by approval agencies. Equipment for Group II receives a temperature code indicating the maximum temperatures of the product.

<table>
<thead>
<tr>
<th>Temperature Rating</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>T1</td>
<td>450°C</td>
</tr>
<tr>
<td>T2</td>
<td>300°C</td>
</tr>
<tr>
<td>T3</td>
<td>200°C</td>
</tr>
<tr>
<td>T4</td>
<td>135°C</td>
</tr>
<tr>
<td>T5</td>
<td>100°C</td>
</tr>
<tr>
<td>T6</td>
<td>85°C</td>
</tr>
</tbody>
</table>

Groups (Gas & Dust)
Equipment is tested for suitability in specified gas groups and dust groups. Gas groups IIA, IIB, IIC. Dust groups IIIA, IIIB, IIIC

<table>
<thead>
<tr>
<th>Group</th>
<th>Hazardous Material in Surrounding Atmosphere</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group IIA</td>
<td>Propane group</td>
</tr>
<tr>
<td>Group IIB</td>
<td>Ethylene group</td>
</tr>
<tr>
<td>Group IIC</td>
<td>Hydrogen group</td>
</tr>
<tr>
<td>Group II A</td>
<td>Combustible flyings</td>
</tr>
<tr>
<td>Group II B</td>
<td>Non-conductive dust</td>
</tr>
<tr>
<td>Group II C</td>
<td>Conductive dust</td>
</tr>
</tbody>
</table>
Table of Contents

**Reliant™ LED Lighting for Industrial Applications**
- Reliant™ LED High Bay

**Vigilant® LED Lighting for Industrial Applications**
- Vigilant® LED High Bay
- Vigilant® LED High Bay - High Output
- Vigilant® LED High Bay - High Output - DALI
- Vigilant® LED Dual Floodlight
- Vigilant® LED Area Light
- Vigilant® LED Conveyor Light
- Vigilant® LED Bulkhead

**DuroSite® LED Lighting for Industrial Applications**
- DuroSite® LED Floodlight
- DuroSite® LED Stainless Steel Linear, Emergency Model
- DuroSite® LED Bulkhead, Emergency Model

**SafeSite® LED Lighting for Hazardous Applications**
- SafeSite® LED High Bay
- SafeSite® LED GRP Linear
- SafeSite® LED Stainless Steel Linear, Emergency Model
- SafeSite® LED Area Light
- SafeSite® LED Bulkhead, Emergency Model

**SafeSite LED Transportable Lighting for Hazardous Applications**
- SafeSite® LED Transportable Bulkhead

**StreetSense® LED Fixture for Infrastructure Solutions**
- StreetSense® LED Street Light - ATEX, IECEx

**Obstruction LED Lighting**
- ICAO
## Reliant™ LED Lighting Fixtures

for Industrial Applications

### LED High Bay

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wattage Range</td>
<td>71-232W</td>
</tr>
<tr>
<td>Lumen Output Range</td>
<td>10,600-33,800</td>
</tr>
<tr>
<td>Lumens per Watt</td>
<td>Up to 149</td>
</tr>
<tr>
<td>Input Voltage</td>
<td>100-277 VAC 50/60Hz</td>
</tr>
<tr>
<td>Mounting</td>
<td>Overhead</td>
</tr>
<tr>
<td>Mounting Height</td>
<td>Up to 12m</td>
</tr>
</tbody>
</table>

### Vigilant® LED Lighting Fixtures

for Industrial Applications

### LED High Bay

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wattage Range</td>
<td>80-186W</td>
</tr>
<tr>
<td>Lumen Output Range</td>
<td>10,500-27,000</td>
</tr>
<tr>
<td>Lumens per Watt</td>
<td>Up to 151</td>
</tr>
<tr>
<td>Input Voltage</td>
<td>100-277 VAC, 120-250 VDC</td>
</tr>
<tr>
<td>Mounting</td>
<td>Overhead, Ceiling, Suspended</td>
</tr>
<tr>
<td>Mounting Height</td>
<td>Up to 12m</td>
</tr>
</tbody>
</table>

### LED High Bay - High Output

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wattage Range</td>
<td>309-484W</td>
</tr>
<tr>
<td>Lumen Output Range</td>
<td>45,000-72,000</td>
</tr>
<tr>
<td>Lumens per Watt</td>
<td>Up to 149</td>
</tr>
<tr>
<td>Input Voltage</td>
<td>120-277 VAC</td>
</tr>
<tr>
<td>Mounting</td>
<td>Suspended</td>
</tr>
<tr>
<td>Mounting Height</td>
<td>Up to 30m</td>
</tr>
</tbody>
</table>

---

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Overview | Industrial Applications

Vigilant® LED Lighting Fixtures
for Industrial Applications

**LED Dual Floodlight**
- **Wattage Range:** 385W
- **Lumen Output Range:** 54,000-56,000
- **Lumens per Watt:** Up to 145
- **Input Voltage:** 100-277 VAC, 120-250 VDC
- **Mounting:** Structure, Pole
- **Mounting Height:** Up to 25m

**LED Area Light**
- **Wattage Range:** 40-66W
- **Lumen Output Range:** 5,500-9,000
- **Lumens per Watt:** Up to 143
- **Input Voltage:** 100-277 VAC, 120-250 VDC
- **Mounting:** Ceiling, Wall, Pole
- **Mounting Height:** Up to 10m

**LED Conveyor Light**
- **Wattage:** 64W
- **Lumen Output:** 6,700
- **Lumens per Watt:** Up to 106
- **Input Voltage:** 100-277VAC, 120-250 VDC
- **Mounting:** 34mm pole mount
- **Mounting Height:** Up to 6m

**LED Bulkhead**
- **Wattage:** 20-48W
- **Lumen Output:** 3,100-6,700
- **Lumens per Watt:** Up to 149
- **Input Voltage:** 100-277VAC, 120-250 VDC, 230/240 VAC
- **Mounting:** Pole mount
- **Mounting Height:** Up to 6m

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DuroSite® LED Lighting Fixtures
for Industrial Applications

**LED Floodlight**
- **Wattage Range:** 106-140W
- **Lumen Output Range:** 10,500-15,000
- **Lumens per Watt:** Up to 111
- **Input Voltage:** 100-277 VAC
- **Mounting:** Structure, Pole
- **Mounting Height:** Up to 15m

**LED Stainless Steel Linear & Emergency Battery Backup**
- **Wattage Range:** 34W-67W (Standard), 35W-70W (Emergency)
- **Lumen Output Range:** 2,600-5,100
- **Lumens per Watt:** Up to 76
- **Input Voltage:** 100-277 VAC (Standard), 230/240 VAC (Emergency)
- **Mounting:** Overhead, Wall, Pole
- **Mounting Height:** Up to 6m

**LED Bulkhead & LED Emergency Bulkhead**
- **Wattage Range:** 34W (Standard), 36W (Emergency)
- **Lumen Output Range:** 2,250
- **Lumens per Watt:** Up to 86
- **Input Voltage:** 100-277 VAC (Standard), 207-264 VAC (Emergency)
- **Mounting:** Wall, Ceiling, Stanchion, Adjustable
- **Mounting Height:** Up to 4m

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www.dialight.com
SafeSite® LED Lighting Fixtures
for Hazardous Area Applications

LED High Bay
Wattage: 88W-212W
Lumen Output Range: 9,650-23,500
Lumens per Watt: 110
Input Voltage: 100-277 VAC
Mounting: Pole, Overhead, Ceiling, Wall
Mounting Height: Up to 12m
Zone: Zone 1, 21 and Zone 2, 22

LED GRP Linear
Wattage Range: 25-51W
Lumen Output Range: 2,785-5,750
Lumens per Watt: Up to 123
Input Voltage: 100-277 VAC/120-250 VDC, 230/240 VAC (Emergency)
Mounting: Ceiling, Wall, Pole
Mounting Height: Up to 6m
Zone: Zone 2, 21 & 22

LED Linear & LED Emergency Linear - Stainless Steel
Wattage Range: 34W-67W (Standard), 35W-70W (Emergency)
Lumen Output Range: 2,600-5,100
Lumens per Watt: Up to 76
Input Voltage: 110-250 VAC (Standard), 230-240 VAC (Emergency)
Mounting: Overhead, Ceiling, Wall, Pole
Mounting Height: Up to 6m
Zone: Zone 1, 21 and Zone 2, 22

LED Area Light
Wattage Range: 58W
Lumen Output Range: 5,600-6,000
Lumens per Watt: Up to 103
Input Voltage: 100-277 VAC
Mounting: Overhead, Ceiling, Wall, Pole
Mounting Height: Up to 10m
Zone: Zone 1, 21 and Zone 2, 22

LED Bulkhead & LED Emergency Bulkhead
Wattage Range: 34W (Standard), 36W (Emergency)
Lumen Output Range: 2,250
Lumens per Watt: Up to 66
Input Voltage: 100-277 VAC (Standard), 207-264 VAC (Emergency)
Mounting: Wall, Ceiling, Stanchion, Adjustable
Mounting Height: 4m and lower
Zone: Zone 1, 21 and Zone 2, 22

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SafeSite® LED Transportable Range
for Hazardous Area Applications

SafeSite LED Transportable Bulkhead

- Wattage Range: 34W
- Lumen Output Range: 2,250
- Lumens per Watt: Up to 66
- Input Voltage: 100-277 VAC
- Zone: Zone 1, 21 and Zone 2, 22

StreetSense® LED Street Light
for Industrial and Hazardous Area Applications

StreetSense LED Street Light - CE and ATEX Zone 2

- Wattage Range: 65-252W
- Lumen Output Range: 5,500-20,250
- Lumens per Watt: Up to 85
- Input Voltage: 100-277 VAC
- Zone: Zone 2

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Obstruction LED Lighting Solutions

ICAO

Vigilant LED Based ICAO Type A
High Intensity (White / Red) Strobe

- Effective Intensity:
  - White Day – 200,000 cd
  - White Twilight- 20,000 cd
  - White or Red Night- 2,000 cd

- Wattage:
  - White Day - 160W
  - White twilight - 30W
  - White Night - 23W
  - Red Night - 30W

- Input Voltage: 208-277 VAC

Vigilant LED Based ICAO Type A/Type B
Medium Intensity (White/Red) Strobe - Infrared (IR) available

- Effective Intensity:
  - White Day- 20,000 cd
  - White Night- 2,000 cd
  - Red Night- 2,000 cd

- Wattage:
  - White Day- 36W (system = 75W)
  - White Night- 4W (system = 10W)
  - Red Night- 12W (system = 25W)

- Input Voltage: 120-240 VAC or +/- 48 VDC

Vigilant LED Based ICAO Type B/Type C
Medium Intensity (Red) Beacon - Infrared (IR) available

- Effective Intensity: 2,000 cd

- Wattage:
  - 3.3W (16.7% duty circle)- standard
  - 7.0W (16.7% duty circle)- IR model
  - 20 flashes per minute with 0.5 sec. on time

- Input Voltage: 120-240 VAC or 24-48 VDC

Vigilant LED Based ICAO Type B/Type E
Low Intensity (Red) RTO Side Light - Infrared (IR) available

- Effective Intensity: 32.5 cd

- Wattage Range: 1.5-9.0W

- Input Voltage: 12-48 VDC, 120-240 VAC, 277 VAC

Vigilant LED Based ICAO Type B/Type E
Low Intensity (Red) Side Light

- Effective Intensity: 32.5 cd

- Wattage Range: 13-24W

- Input Voltage: 12-48 VDC, 120 VAC, 230 VAC
Reliant™ LED High Bay
Technical Specification

Certifications & Ratings
- 10 year warranty
- CE / ENEC
- IP66
- IK10 (polycarbonate) / IK07 (glass)
- L70 rated for >100,000 hours @ 55°C
- L90 rated for >100,000 hours @ 25°C

Mechanical Information:
- Fixture weight: 9.3 kg
- Shipping weight: 12 kg
- Box dimensions: 515 x 515 x 350mm

Mounting:
- Mounting: 304 stainless steel mounting bracket

Electrical Specifications:
- Operating voltage: 100-277 VAC 50/60Hz
- Operating temperature: -40°C to +55°C
- Total system power consumption: See ordering table
- EMC: EN 55015
- IEC 61000-3-3
- IEC 61000-4-2
- IEC 61000-4-3
- IEC 61000-4-4
- Transient protection: 6kV/3kA combination wave, as per IEEE C62.41, line-line and line-ground
- IEC 61000-4-5
- IEC 61000-4-4
- THD: IEC 55015 <20% @ 100-277 VAC
- Harmonics: IEC 61000-3-2, Class C
- Power factor: >0.9 @ 100-277 VAC
- Flicker: IEC 61000-4-5
- Dimming: DALI 1.0 and 2.0 - 100-5%
- 0V-10 VDC continuous dimming - 100-5%
- Wireless dimming via optional Dialight IntelliLED controls - 100-5%
- Cable entry: (3) M20
- Terminals: 5 position, 0.5-4 mm²

Materials:
- Housing: Polycarbonate (upper)
- Aluminium (lower)
- Lens: Polycarbonate
- Glass and acrylic options also available
- Hardware: 304 stainless steel
- Hook: 304 stainless steel
- Fixture finish: Superior dual coat finish
- sealed polyester topcoat
- epoxy primer
- Gaskets: Santoprene
- Wiring box: EPDM

Photometric Information:
- CRI: 80
- CCT: 5000K (cool white)
- 4000K (neutral white) options available
- All values typical unless otherwise stated (tolerance +/- 10%)
# Reliant™ LED High Bay

## Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Fixture Lumen</th>
<th>Wattage</th>
<th>lm/W</th>
<th>CCT</th>
<th>Lens</th>
<th>Beam Distribution</th>
<th>Controls</th>
</tr>
</thead>
<tbody>
<tr>
<td>RRE-4MC2-JDHN-NGN</td>
<td>33,800</td>
<td>232</td>
<td>146</td>
<td>5000K (cool white)</td>
<td>Polycarbonate Clear</td>
<td>Medium</td>
<td>DALI</td>
</tr>
<tr>
<td>RRE-4AC2-JDHN-NGN</td>
<td>33,800</td>
<td>232</td>
<td>146</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RRE-4MC2-GDHN-NGN</td>
<td>28,200</td>
<td>191</td>
<td>148</td>
<td></td>
<td></td>
<td>Medium</td>
<td></td>
</tr>
<tr>
<td>RRE-4AC2-GDHN-NGN</td>
<td>28,200</td>
<td>191</td>
<td>148</td>
<td></td>
<td></td>
<td>Medium</td>
<td></td>
</tr>
<tr>
<td>RRE-4MC2-EDHN-NGN</td>
<td>22,800</td>
<td>159</td>
<td>143</td>
<td></td>
<td></td>
<td>Medium</td>
<td></td>
</tr>
<tr>
<td>RRE-4AC2-EDHN-NGN</td>
<td>22,800</td>
<td>159</td>
<td>143</td>
<td></td>
<td></td>
<td>Medium</td>
<td></td>
</tr>
<tr>
<td>RRE-4MC2-CDHN-NGN</td>
<td>16,900</td>
<td>114</td>
<td>148</td>
<td></td>
<td></td>
<td>Medium</td>
<td></td>
</tr>
<tr>
<td>RRE-4AC2-CDHN-NGN</td>
<td>16,900</td>
<td>114</td>
<td>148</td>
<td></td>
<td></td>
<td>Medium</td>
<td></td>
</tr>
<tr>
<td>RRE-4MC2-BDHN-NGN</td>
<td>13,400</td>
<td>91</td>
<td>147</td>
<td></td>
<td></td>
<td>Medium</td>
<td></td>
</tr>
<tr>
<td>RRE-4AC2-BDHN-NGN</td>
<td>13,400</td>
<td>91</td>
<td>147</td>
<td></td>
<td></td>
<td>Medium</td>
<td></td>
</tr>
<tr>
<td>RRE-4MC2-ADHN-NGN</td>
<td>10,600</td>
<td>71</td>
<td>149</td>
<td></td>
<td></td>
<td>Aisle</td>
<td></td>
</tr>
<tr>
<td>RRE-4AC2-ADHN-NGN</td>
<td>10,600</td>
<td>71</td>
<td>149</td>
<td></td>
<td></td>
<td>Aisle</td>
<td></td>
</tr>
</tbody>
</table>

All values typical unless otherwise stated (tolerance +/- 10%). Models available up to 160 lm/W with acrylic or glass lens. Please contact a Dialight sales representative. Standard hardware options: bracket with hook. Standby power draw < 1 watt. For additional controls options including occupancy sensor and IntelliLED wireless controls, contact a Dialight sales representative or see spec sheet. Accessory part numbers available on page 15. DALI models are also compatible with 0-10V dimming.

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[www.dialight.com](http://www.dialight.com)
Reliant™ LED High Bay
Beam Distribution

Medium

Aisle
# Reliant™ LED High Bay

## Technical Information

### Part Number | Description | Description
--- | --- | ---
HBXCAB48 | 1.2m long stainless steel safety rope (for use with included safety bracket) | 
RR-WIRELESS-1 | IntelliLED wireless controls - basic | 
RR-WS-OCC-212 | Wattstopper FSP 212 (centre mounted) occupancy sensor | 
RR-CP-OCC-DALI | CPEBDHSMBDD (side mounted) DALI enabled occupancy sensor | 
RR-CP-OCC-REM | Remote for CP occupancy sensor | 

For additional controls options including IntelliLED wireless controls, contact a Dialight sales representative for spec sheet.

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www.dialight.com
Vigilant® LED High Bay
Technical Specification

Certifications & Ratings:
- EN 60598-1:2015
- EN 60598-2-1 (ed.1), IEC 60598-2-1 (ed.8)
- EN 60598-2-24:2013
- EN 62493:2015
- IEC60068 - Salt spray testing - severity 1
- IP66 to EN 60529
- IK10 to EN 50102 (Polycarbonate lens)
- IK06 to EN 50102 (Acrylic lens)
- IK05 to EN 50102 (Glass lens)
- D-Marking to EN 60598 2-24
- ENEC
- L70 >150,000 hours @ 25°C ambient

Variable Dimming as Standard:
Variable Dimming Control: 0-10 VDC
Dimming Range: 10 VDC = 100% light output
0 VDC = <5% light output

Occupancy Sensor:
- Mounting Height: Up to 12M
- Ingress Protection: IP66

Electrical Specifications:
- Operating Voltage: 100-277 VAC
- Total system power consumption: See table
- Operating Temp: -40°C to +65°C
- Harmonics: IEC 61000-3-2
- Noise requirement /EMC: EN 61547: 2009
- Radiated and Conducted Emissions: EN 55015
- EMC Immunity: EN 61547: 2009
- Transient protection: Protection devices capable of handling up to 10kV. Tested for 10kV/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

Photometric Information:
- CRI: 80
- CCT: 5000K (cool white)
- 4000K (neutral white)

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

WARNING - INSTALLATION & SECONDARY RETENTION. Use of any Dialight products without proper installation (including secondary retention / netting) and periodic inspections could cause severe injury or death. Dialight recommends that all installations should use secondary retention / netting (appropriate to the installation environment) where applicable. It is the exclusive responsibility of the contractor, installer and/or end-user to: (a) determine the suitability of the product for its intended application; and, (b) ensure that the product is safely installed (with secondary retention / netting where appropriate) and in compliance with all applicable laws and regulations. To the extent permissible under applicable laws, Dialight disclaims all liability for personal injury and/or other damage resulting from any dislodgment or other dislocation of its products.
Vigilant® LED High Bay

Beam Distribution

**Medium**

![Medium Beam Distribution Diagram]

Maximum Candela = 12130.5, Located At Horizontal Angle = 0, Vertical Angle = 27.5

- # 1 - Vertical Plane Through Horizontal Angles (0 - 180)
- # 2 - Vertical Plane Through Horizontal Angles (90 - 270)

**Oval**

![Oval Beam Distribution Diagram]

Maximum Candela = 20126.4, Located At Horizontal Angle = 85, Vertical Angle = 2.5

- # 1 - Vertical Plane Through Horizontal Angles (0 - 180)
- # 2 - Vertical Plane Through Horizontal Angles (90 - 270)
Vigilant® LED High Bay

Accessories

**HBXW3-SSL-316M**
- Stainless steel bracket

**HBXW3-SSL-304M**
- Stainless steel bracket

**HBXCAB48**
- 48” long stainless steel safety rope (for use with safety bracket)

**HBXSBDK**
- Sand blast kit (dome lens)

**HBXSBDL**
- Sacrificial dome lens

**HBXW3-SSL-304FTM**
- 304 stainless steel forward throw bracket

**HBXW3-SSL-316FTM**
- 316 stainless steel forward throw bracket

**HBXSB**
- 316 stainless steel safety retention tabs (x4)

**HBXSBL**
- 316 stainless steel safety retention tabs (x4)

**HBXSBK**
- Sand blast kit (flat lens)

**HBXSBDK**
- Sand blast kit (dome lens)

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

**HBXW3EUHOOK**
- Swivel bracket with hanging hook

**HBXSBL**
- Sacrificial flat lens

**HBXW3**
- Powder-coated aluminium swivel bracket

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

**HBXW3EUHOOK**
- Swivel bracket with hanging hook

**HBXSBDK**
- Sand blast kit (dome lens)

**HBXSBDL**
- Sacrificial dome lens

**HBXSB**
- 316 stainless steel safety retention tabs (x4)

**HBXSBL**
- 316 stainless steel safety retention tabs (x4)

**HBXSBK**
- Sand blast kit (flat lens)

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

**HBXW3EUHOOK**
- Swivel bracket with hanging hook

**HBXSBDK**
- Sand blast kit (dome lens)

**HBXSBDL**
- Sacrificial dome lens

**HBXSB**
- 316 stainless steel safety retention tabs (x4)

**HBXSBL**
- 316 stainless steel safety retention tabs (x4)

**HBXSBK**
- Sand blast kit (flat lens)

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

**HBXW3EUHOOK**
- Swivel bracket with hanging hook

**HBXSBDK**
- Sand blast kit (dome lens)

**HBXSBDL**
- Sacrificial dome lens

**HBXSB**
- 316 stainless steel safety retention tabs (x4)

**HBXSBL**
- 316 stainless steel safety retention tabs (x4)

**HBXSBK**
- Sand blast kit (flat lens)

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

**HBXW3EUHOOK**
- Swivel bracket with hanging hook

**HBXSBDK**
- Sand blast kit (dome lens)

**HBXSBDL**
- Sacrificial dome lens

**HBXSB**
- 316 stainless steel safety retention tabs (x4)

**HBXSBL**
- 316 stainless steel safety retention tabs (x4)

**HBXSBK**
- Sand blast kit (flat lens)

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

**HBXW3EUHOOK**
- Swivel bracket with hanging hook
# Vigilant® LED High Bay

## Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Legacy Part Number</th>
<th>Lumens</th>
<th>Watts</th>
<th>lm/W</th>
<th>Voltage</th>
<th>CCT</th>
<th>CRI</th>
<th>Lens</th>
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<td>HEE2CM4PNHNG</td>
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<td>141</td>
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<td>5000K</td>
<td>80</td>
<td>Diffused Domed Polycarbonate</td>
<td>Oval</td>
</tr>
</tbody>
</table>

**Notes**

Note 1: Models in chart above are 5000K CCT. For 4000K CCT change the 6th character from C to N & deduct 3% from the lumen table.

Note 2: Flat clear acrylic lens available, consult local Dialight sales office for availability.

---

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[www.dialight.com](http://www.dialight.com)
Vigilant® LED High Bay - High Output

Standard Models

**Mechanical Information:**
- **120-277 VAC model**
  - Complete fixture weight: 28.6 kg (63.1 lbs)
  - Wiring box: 3.2 kg (7.1 lbs) [mount first]
  - Light engine (base): 25.4 kg (56.0 lbs) [mount last]
  - Shipping weight: 37.5 kg (82.6 lbs)
- **415 VAC model**
  - Complete fixture weight: 35.8 kg (79 lbs)
  - Wiring box: 10.4 kg (23 lbs) [mount first]
  - Light engine (base): 25.4 kg (56.0 lbs) [mount last]
  - Shipping weight: 44.7 kg (98.6 lbs)

Note that the wire box is installed separately from the housing. This allows one installer for fixtures.

<table>
<thead>
<tr>
<th>Box dimensions (cm):</th>
<th>Length - 64, Width - 56.5, Height - 72.7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mounting:</td>
<td>Hook mount</td>
</tr>
<tr>
<td></td>
<td>Secondary retention standard</td>
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<tr>
<td>Cable entry:</td>
<td>(4) M25 - sides</td>
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<tr>
<td>Terminals:</td>
<td>5 position, 0.5-4 mm²</td>
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</tbody>
</table>

**Materials:**
- **Housing:** Die cast aluminium alloy A360
- **Hardware:** 18-8 stainless steel
- **Hook:** 304 stainless steel
- **Safety shackles:** 304 stainless steel
- **Safety rope:** Optional 316 stainless steel safety rope, 304 stainless steel crimp

**Gaskets:**
- **Light engine:** Santoprene
- **Wiring box:** Silicone
- **Power supply (ends):** EPDM
- **Lens:** Tempered glass, acrylic or UV stabilized polycarbonate
- **Fixture finish:** Superior dual coat finish - Sealed polyester topcoat - Chemical-resistant epoxy primer

**Electrical Specifications:**
- **Operating voltage:** 120-277 VAC, 50/60 Hz
  - 415 VAC
- **Operating temperature:** -40°C to +65°C (-40°F to +149°F)
- **Total system power consumption:** See table
- **Transient protection:** 6kV/3kA combination wave, as per IEEE C62.41, line-line and line-ground
- **THD:** EN55015:2013 < 20%
- **Harmonics:** IEC 61000-3-2, Class C
- **Power factor:** > 0.9

**Variable Dimming:**
- **Variable dimming control:** 0-10 VDC
- **Dimming range:**
  - 10 VDC = 100% light output
  - 0 VDC = 5% light output

**Photometric Information:**
- **CRI:** 80
- **CCT:**
  - 5000K (cool white)
  - 4000K (neutral white)

All values typical unless otherwise stated (tolerance +/- 10%)
### Vigilant® LED High Bay - High Output

#### Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Fixture Lumen</th>
<th>Watt</th>
<th>lm/W</th>
<th>IP Rating</th>
<th>Voltage</th>
<th>CCT</th>
<th>Lens</th>
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<td>H6E-7NC2-RDHN-NGN</td>
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<td>IP66/67</td>
<td>120-277 VAC</td>
<td>5000K (cool white)</td>
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<td>H6E-7NC2-NDHN-NGN</td>
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<td>Narrow</td>
</tr>
</tbody>
</table>

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

All models shown in table are 5000K (cool white) CCT. For 4000K (neutral white) CCT replace the 6th character with an N.

Example: H6E-7MC2-RDHN-NGN becomes H6E-7MN2-RDHN-NGN.

45,000 lumen output fixture available with factory installed occupancy sensor for mounting heights of up to 12m. Consult factory for more information.

415 VAC options available, please consult local Dialight sales office for availability.

Acrylic and polycarbonate lens options available on made-to-order basis, please consult local Dialight sales office for availability.

---

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**HBXFSIRREMOTE**
- Remote for occupancy sensor
- 45,000 lumen output fixture available with factory installed occupancy sensor for mounting heights of up to 12m. Consult factory for more information.

---

**Coverage Side View**
Vigilant® LED High Bay High Output - DALI

Technical Specification

Mechanical Information (High Output):

- **Fixture weight:**
  - 32.2 kg - 120-277 VAC models
  - 39.5 kg - 347/480 VAC models

- **Shipping weight:**
  - 38.6 kg - 120-277 VAC models
  - 45.8 kg - 347/480 VAC models

Note that the wire box is installed separately from the housing. This allows single installer for fixtures.

- **120-277 VAC wire box:** 6.6 kg [mount first]
- **347/480 VAC wire box:** 6.3 kg [mount first]
- **Light fixture (base):** 25.6 kg [mount last]

**Box dimensions (cm):**
- Length - 64, Width - 56.5, Height - 72.7

**Mounting:** Hook mount

**Cable entry:** (3) M25 - sides

**Terminals:** 5 position, 0.5-4 mm²

Technical Information (DALI):

- **Maximum number of units:** 64
- **Maximum number of addresses:** 64
- **Signal level:** +/- 16V
- **Maximum cable length:** 300m
- **Cable topology:** Chain, star, tree, line
- **Maximum messages/second:** 40
- **Maximum number of groups:** 16
- **Maximum number of scenes per luminaire:** 16

Certifications & Ratings (High Output High Bay)

- CE
- EN 55015:2013
- EN 60598:2008
- EN 61547:2009
- EN 62471:2008
- ENEC
- RCM
- IK06 to EN50102
- IP65/67
- 10 year warranty
- L70 >150,000 hours @ 25°C ambient

Certifications & Ratings (High Output High Bay - DALI)

- CE
- EN 61547:2009
- EN 62471:2008
- EN 55015:2013
- ENEC
- RCM
- IK06 to EN50102
- IP66/67
- 10 year warranty
- L70 >150,000 hours @ 25°C ambient
- 10 year warranty
- L70 >150,000 hours @ 25°C ambient

Electrical Specifications (High Output):

- **Operating voltage:**
  - 120-277 VAC, 50/60Hz
  - 347/480 VAC, 50/60Hz
- **Total system power consumption:** See table
- **Operating temp:** -40°C to +65°C
- **Harmonics:** IEC 61000-3-2
- **Noise requirement /EMC:**
- **Transient protection:** 6kV/3kA combination wave, as per IEEE C62.41, line-line and line-ground
- **THD:** <20%
- **Power factor:** >0.9

Construction (High Output):

- **Housing:** Copper free aluminum
- **Finish:** Superior dual coat finish
- **Lens:** Tempered glass, acrylic, polycarbonate

Photometric Information (High Output):

- **CRI:** 80
- **CCT:**
  - 5000K (cool white)
  - 4000K (neutral white)

All values typical unless otherwise stated (tolerance +/- 10%)
**Vigilant® LED High Bay High Output - DALI**

Ordering Information & Beam Distribution

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<th>IP Rating</th>
<th>Voltage</th>
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<th>Beam Distribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>H6E-7MC2-RAHN-NGN</td>
<td>72,000</td>
<td>484</td>
<td>149</td>
<td>IP66</td>
<td>120-277 VAC</td>
<td>5000K (cool white)</td>
<td>Glass</td>
<td>Medium</td>
</tr>
<tr>
<td>H6E-7NC2-RAHN-NGN</td>
<td>72,000</td>
<td>484</td>
<td>149</td>
<td>IP66</td>
<td>120-277 VAC</td>
<td>5000K (cool white)</td>
<td>Glass</td>
<td>Narrow</td>
</tr>
<tr>
<td>H6E-7MC2-NAHN-NGN</td>
<td>60,000</td>
<td>414</td>
<td>145</td>
<td>IP66</td>
<td>120-277 VAC</td>
<td>5000K (cool white)</td>
<td>Glass</td>
<td>Medium</td>
</tr>
<tr>
<td>H6E-7NC2-NAHN-NGN</td>
<td>60,000</td>
<td>414</td>
<td>145</td>
<td>IP66</td>
<td>120-277 VAC</td>
<td>5000K (cool white)</td>
<td>Glass</td>
<td>Narrow</td>
</tr>
<tr>
<td>H6E-7MC2-KAHN-NGN</td>
<td>45,000</td>
<td>309</td>
<td>146</td>
<td>IP66</td>
<td>120-277 VAC</td>
<td>5000K (cool white)</td>
<td>Glass</td>
<td>Medium</td>
</tr>
<tr>
<td>H6E-7NC2-KAHN-NGN</td>
<td>45,000</td>
<td>309</td>
<td>146</td>
<td>IP66</td>
<td>120-277 VAC</td>
<td>5000K (cool white)</td>
<td>Glass</td>
<td>Narrow</td>
</tr>
</tbody>
</table>

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

---

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[www.dialight.com](http://www.dialight.com)
Vigilant® LED Dual Floodlight
Technical Specifications

Ratings and Certifications
- 10 year warranty
- CE
- IP66
- L70 >150,000 hours @ 25°C ambient
- Glass = IK05
- Polycarbonate = IK10

*All features not available on every model. Please refer to product part number pages for model specifics.

**Mechanical Information**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fixture weight</td>
<td>25.4 kg (56 lbs)</td>
</tr>
<tr>
<td>Shipping weight</td>
<td>27.2 kg (60 lbs)</td>
</tr>
<tr>
<td>EPA (sq.m)</td>
<td>0.25 sq. m (2.69 sq. ft)</td>
</tr>
<tr>
<td>Mounting</td>
<td>304 stainless steel trunnion mounting bracket included</td>
</tr>
<tr>
<td></td>
<td>Secondary retention standard</td>
</tr>
<tr>
<td>Entries</td>
<td>M20 x 2</td>
</tr>
<tr>
<td>Terminals</td>
<td>4mm² x 4</td>
</tr>
</tbody>
</table>

**Specifications**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>100-277 VAC, 50/60Hz 120-250 VDC</td>
</tr>
<tr>
<td>Housing</td>
<td>Copper-free aluminium</td>
</tr>
<tr>
<td>Operating temp</td>
<td>-40°C to +65°C</td>
</tr>
<tr>
<td>Finish</td>
<td>Superior dual coat finish</td>
</tr>
<tr>
<td></td>
<td>- Sealed polyester topcoat</td>
</tr>
<tr>
<td></td>
<td>- Chemical-resistant epoxy primer</td>
</tr>
<tr>
<td>Power factor</td>
<td>&gt;0.9</td>
</tr>
<tr>
<td>THD</td>
<td>&lt;20%</td>
</tr>
<tr>
<td>Lumens</td>
<td>56,000 385</td>
</tr>
<tr>
<td>Wattage</td>
<td>54,000 385</td>
</tr>
<tr>
<td>lm/W</td>
<td>145</td>
</tr>
<tr>
<td>Mounting Heights</td>
<td>Up to 25m</td>
</tr>
</tbody>
</table>

**Comparison**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Warranty</th>
<th>L70</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dialight LED Floodlight</td>
<td>10yr</td>
<td>&gt;150,000</td>
</tr>
<tr>
<td>Metal Halide</td>
<td>1</td>
<td>15,000</td>
</tr>
<tr>
<td>High Pressure Sodium</td>
<td>1</td>
<td>20,000</td>
</tr>
</tbody>
</table>

**Dimensions**

<table>
<thead>
<tr>
<th>Dimension in mm [inches]</th>
</tr>
</thead>
<tbody>
<tr>
<td>820 [32.3]</td>
</tr>
<tr>
<td>465 [18.3]</td>
</tr>
<tr>
<td>194 [7.7]</td>
</tr>
<tr>
<td>144 [5.7]</td>
</tr>
</tbody>
</table>

**Beam Distribution**

- 92° Beam Angle
- 35° Beam Angle

**WARNING - INSTALLATION & SECONDARY RETENTION.** Use of any Dialight products without proper installation (including secondary retention / netting) and periodic inspections could cause severe injury or death. Dialight recommends that all installations should use secondary retention / netting (appropriate to the installation environment) where applicable. It is the exclusive responsibility of the contractor, installer and/or end-user to: (a) determine the suitability of the product for its intended application; and, (b) ensure that the product is safely installed (with secondary retention / netting where appropriate) and in compliance with all applicable laws and regulations. To the extent permissible under applicable laws, Dialight disclaims all liability for personal injury and/or other damage resulting from any dislodgment or other dislocation of its products.
Vigilant® LED Dual Floodlight
Ordering Information & Mounting Accessories

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Fixture Lumens</th>
<th>Wattage</th>
<th>lm/W</th>
<th>Voltage</th>
<th>Colour Temperature (CCT)</th>
<th>Lens</th>
<th>Beam Angle</th>
<th>Field Angle</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLE66MC2NG</td>
<td>56,000</td>
<td>385</td>
<td>145</td>
<td>100-277 VAC, 120-250 VDC</td>
<td>5000K (cool white)</td>
<td>Tempered Glass</td>
<td>35°</td>
<td>108°</td>
</tr>
<tr>
<td>FLEB0MC2NG</td>
<td>54,000</td>
<td>385</td>
<td>140</td>
<td>100-277 VAC, 120-250 VDC</td>
<td>5000K (cool white)</td>
<td>Tempered Glass</td>
<td>92°</td>
<td>120°</td>
</tr>
</tbody>
</table>

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

HZXCB2L
- Stainless steel safety cable kit

Dual Floodlight Mounting Options

Factory-Installed Mounting Bracket Dimensions

14.2 [0.56] clearance for 2.7mm bolt
166.1 [6.50]
31.8 [1.25]
60.45 [2.380]
79.5 [3.13]
14.2 [0.56] 4x clearance for 2.7mm bolt
121.9 [4.80]
1

Dimension in mm [inches]
Vigilant® LED Area Light

Technical Specifications

Ratings and Certifications
• 10 year warranty
• L70 >300,000 hours @ 65°C ambient
• CE/ENEC
• IP66/67
• IK07 (glass lens) / IK10 (polycarbonate lens)

*All features not available on every model. Please refer to product part number pages for model specifics.

### Mechanical Information

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fixture weight</td>
<td>5.2 kg (11.5 lbs)</td>
</tr>
<tr>
<td>Shipping weight</td>
<td>6.1 kg (13.5 lbs)</td>
</tr>
<tr>
<td>Mounting</td>
<td>316 Stainless steel mounting bracket  Secondary retention standard</td>
</tr>
<tr>
<td>Cable Entries</td>
<td>M20 x 2</td>
</tr>
<tr>
<td>Terminals</td>
<td>4mm² x 5</td>
</tr>
</tbody>
</table>

### Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>100 - 277 VAC 50/60Hz, 120-250 VDC</td>
</tr>
<tr>
<td>Wattage</td>
<td></td>
</tr>
<tr>
<td>lm/W</td>
<td></td>
</tr>
<tr>
<td>Mounting Heights</td>
<td></td>
</tr>
<tr>
<td>Housing</td>
<td>Copper-free aluminium</td>
</tr>
<tr>
<td>Finish</td>
<td>Superior dual coat finish</td>
</tr>
<tr>
<td></td>
<td>- Sealed polyester topcoat</td>
</tr>
<tr>
<td>Power factor</td>
<td>&gt;0.9</td>
</tr>
<tr>
<td>THD</td>
<td>&lt;20%</td>
</tr>
<tr>
<td>Surge protection</td>
<td>6kV / 3kA combination wave, as per IEEE C62.41, line-line and line-ground</td>
</tr>
<tr>
<td>CRI</td>
<td>80</td>
</tr>
<tr>
<td>CCT</td>
<td>5000K (cool white)</td>
</tr>
</tbody>
</table>

### Comparison

<table>
<thead>
<tr>
<th>Feature</th>
<th>Warranty</th>
<th>L70</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dialight LED Area Light</td>
<td>10yr</td>
<td>&gt;300,000</td>
</tr>
<tr>
<td>Metal Halide</td>
<td>1</td>
<td>15,000</td>
</tr>
<tr>
<td>High Pressure Sodium</td>
<td>1</td>
<td>20,000</td>
</tr>
</tbody>
</table>

### Lumens | Wattage | lm/W | Mounting Heights |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>9,000</td>
<td>66</td>
<td>136</td>
<td>10m</td>
</tr>
<tr>
<td>7,900</td>
<td>52</td>
<td>140</td>
<td></td>
</tr>
<tr>
<td>5,700</td>
<td>40</td>
<td>143</td>
<td>3m</td>
</tr>
</tbody>
</table>

### Dimensions

- Dimensions in mm [inches]
- WARNING - INSTALLATION & SECONDARY RETENTION. Use of any Dialight products without proper installation (including secondary retention / netting) and periodic inspections could cause severe injury or death. Dialight recommends that all installations should use secondary retention / netting (appropriate to the installation environment) where applicable. It is the exclusive responsibility of the contractor, installer and/or end-user to: (a) determine the suitability of the product for its intended application; and, (b) ensure that the product is safely installed (with secondary retention / netting where appropriate) and in compliance with all applicable laws and regulations. To the extent permissible under applicable laws, Dialight disclaims all liability for personal injury and/or other damage resulting from any dislodgment or other dislocation of its products.

www.dialight.com
## Vigilant® LED Area Light

### Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Legacy Part Number</th>
<th>Lumens</th>
<th>Wattage</th>
<th>lm/W</th>
<th>Colour Temperature (CCT)</th>
<th>Lens</th>
<th>Beam Angle</th>
<th>Mounting Options</th>
<th>Hardware Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALE7AC26DBJUGN</td>
<td>STJW8C2GEU</td>
<td>5500</td>
<td>40</td>
<td>138</td>
<td>5000K (cool white)</td>
<td>Glass</td>
<td>180°</td>
<td>316 stainless steel adjustable bracket</td>
<td>Junction box</td>
</tr>
<tr>
<td>ALE7AC27DBJUGN</td>
<td>STJWEC2GEU</td>
<td>7100</td>
<td>52</td>
<td>137</td>
<td>5000K (cool white)</td>
<td>Glass</td>
<td>180°</td>
<td>316 stainless steel adjustable bracket</td>
<td>Junction box</td>
</tr>
<tr>
<td>ALETAC29DBJUGN</td>
<td>8800</td>
<td>66</td>
<td>133</td>
<td>5000K (cool white)</td>
<td>Glass</td>
<td>180°</td>
<td>316 stainless steel adjustable bracket</td>
<td>Junction box</td>
<td></td>
</tr>
<tr>
<td>ALE7BC26DBJUGN</td>
<td>STJW9C2GEU</td>
<td>5700</td>
<td>40</td>
<td>143</td>
<td>5000K (cool white)</td>
<td>Glass</td>
<td>360°</td>
<td>316 stainless steel adjustable bracket</td>
<td>Junction box</td>
</tr>
<tr>
<td>ALE7BC27DBJUGN</td>
<td>STJWFC2GEU</td>
<td>7500</td>
<td>52</td>
<td>140</td>
<td>5000K (cool white)</td>
<td>Glass</td>
<td>360°</td>
<td>316 stainless steel adjustable bracket</td>
<td>Junction box</td>
</tr>
<tr>
<td>ALE7BC29DBJUGN</td>
<td>9000</td>
<td>66</td>
<td>136</td>
<td>5000K (cool white)</td>
<td>Glass</td>
<td>360°</td>
<td>316 stainless steel adjustable bracket</td>
<td>Junction box</td>
<td></td>
</tr>
</tbody>
</table>

All values typical unless otherwise stated (tolerance +/- 10%).
Neutral white option available, please consult local Dialight sales office for availability.
3m cable gland lead options available on made-to-order basis, please consult local Dialight sales office for availability.

### Beam Distribution

- **180° Beam Angle**
- **360° Beam Angle**

### Factory-Installed Mounting Bracket Dimensions

![Factory-Installed Mounting Bracket Dimensions](image_url)

**Dimension in mm [inches]**

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Vigilant® LED Conveyor Light

Technical Specifications

### Ratings and Certifications
- 10 year warranty
- L70 >300,000 hours @ 65°C ambient
- CE/ENEC
- IP66/67
- IK10 (polycarbonate lens)

*All features not available on every model. Please refer to product part number pages for model specifics.*

<table>
<thead>
<tr>
<th>Mechanical Information</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fixture weight:</strong></td>
<td><strong>Voltage options:</strong> 100-277 VAC 50/60Hz, 120-250 VDC</td>
</tr>
<tr>
<td>6.8 kg (15 lbs)</td>
<td><strong>Housing:</strong> Copper-free aluminium</td>
</tr>
<tr>
<td><strong>Shipping weight:</strong></td>
<td><strong>Operating temp:</strong> -40°C to +65°C</td>
</tr>
<tr>
<td>7.7 kg (17 lbs)</td>
<td><strong>Finish:</strong> Superior dual coat finish</td>
</tr>
<tr>
<td><strong>Mounting:</strong></td>
<td>- Sealed polyester topcoat</td>
</tr>
<tr>
<td>34mm slip-fit stanchion</td>
<td>- Chemical-resistant epoxy prime</td>
</tr>
<tr>
<td>mount Secondary retention standard</td>
<td></td>
</tr>
<tr>
<td><strong>Cable Entries:</strong></td>
<td><strong>Power factor:</strong> &gt;0.9</td>
</tr>
<tr>
<td>M25 x 1 rear</td>
<td><strong>THD:</strong> &lt;20%</td>
</tr>
<tr>
<td><strong>Terminals:</strong></td>
<td><strong>Surge protection:</strong> 6kV / 3kA combination wave, as per IEEE C62.41, line-line and line-ground</td>
</tr>
<tr>
<td>4mm² x 5</td>
<td><strong>CCT:</strong> 5000K (cool white)</td>
</tr>
</tbody>
</table>

### Comparison

<table>
<thead>
<tr>
<th>Warranty</th>
<th>L70</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dialight LED Conveyor Light</td>
<td>10yr</td>
</tr>
<tr>
<td>High Pressure Sodium</td>
<td>1</td>
</tr>
<tr>
<td>Metal Halide</td>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lumens</th>
<th>Wattage</th>
<th>lm/W</th>
<th>Mounting Heights</th>
</tr>
</thead>
<tbody>
<tr>
<td>6700</td>
<td>64</td>
<td>106</td>
<td>Up to 6m</td>
</tr>
</tbody>
</table>

### Dimensions

- **Beam Distribution:** Wide

- **34 mm Slip-Fit Stanchion Mount Junction Box**

**WARNING - INSTALLATION & SECONDARY RETENTION.** Use of any Dialight products without proper installation (including secondary retention / netting) and periodic inspections could cause severe injury or death. Dialight recommends that all installations should use secondary retention / netting (appropriate to the installation environment) where applicable. It is the exclusive responsibility of the contractor, installer and/or end-user to: (a) determine the suitability of the product for its intended application; and, (b) ensure that the product is safely installed (with secondary retention / netting where appropriate) and in compliance with all applicable laws and regulations. To the extent permissible under applicable laws, Dialight disclaims all liability for personal injury and/or other damage resulting from any dislodgment or other dislocation of its products.
Vigilant® LED Conveyor Light

Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Lens Material</th>
<th>Beam Distribution</th>
<th>CCT</th>
<th>CRI</th>
<th>Lumens</th>
<th>Wattage</th>
<th>lm/W</th>
<th>Mounting Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALE5WC27DYNUG</td>
<td>Polycarbonate</td>
<td>Wide</td>
<td>5000K</td>
<td>80</td>
<td>6,700</td>
<td>64</td>
<td>106</td>
<td>34mm slip-fit adapter</td>
</tr>
</tbody>
</table>

All values typical unless otherwise stated (tolerance +/- 10%).
Neutral white option available, please consult local Dialight sales office for availability.

Spacing Table

- 6,700 fixture light levels
- Mounting height - 3m
- Spacing - 8m
- Average illuminance - 112 lux
- Light loss factor - 0.85

- 6,700 fixture light levels
- Mounting height - 3m
- Spacing - 12m
- Average illuminance - 78 lux
- Light loss factor - 0.85

- 6,700 fixture light levels
- Mounting height - 3m
- Spacing - 15m
- Average illuminance - 65 lux
- Light loss factor - 0.85

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Vigilant® LED Bulkhead
Technical Specifications

Mechanical Information:
- **Fixture weights:**
  - Standard models: 6.3 kg (13.8 lb)
  - Battery backup models: 7.7 kg (17 lb)
- **Shipping weights:**
  - Standard models: 7 kg (15.4 lb)
  - Battery backup models: 8.4 kg (18.5 lb)
- **Cable entry:**
  - (2) M20 - optional (4) M20
- **Materials:**
  - Housing: A360 Die-cast aluminium
  - Finish: Superior dual coat finish
    - Sealed polyester topcoat
    - Epoxy primer
  - Lens: Polycarbonate clear
    Polycarbonate diffused (optional)
  - Hardware: 316 Stainless Steel

Electrical Specifications:
- **Operating voltage:**
  - Standard models: 100-277 VAC / 120-250 VDC
  - Battery backup models: 230/240 VAC
- **Operating temperature:**
  - Standard models: -40°C to +65°C (-40°F to +149°F)
  - Battery backup models: -20°C to +65°C (-4°F to +131°F)
- **Surge protection:**
  - Tested to IEC 61000-4-5
  - 6kV/3kA, 1.2/50, 8/20us Combination Wave
    - Line-line and line-ground
- **THD:**
  - < 18%
- **Power factor:**
  - > 0.9
- **Dimming:**
  - DALI 1.0 and 2.0
  - 0-10 VDC continuous dimming to <10%

Battery Backup Models: (integral battery)
- **Battery duration** (circular optic, clear lens):
  - 6.5k lumen outputs:
    - 180 mins ~ 900 lm
    - 90 mins ~ 1100 lm
    - 60 mins ~ 1140 lm
  - 3k lumen outputs:
    - 180 mins ~ 800 lm
    - 90 mins ~ 1100 lm
    - 60 mins ~ 1140 lm
- **Expected battery life:**
  - 4 years

Photometric Information:
- **Lumen output**: 3,000 & 6,500 lm (white light)
- **CRI**: > 80 (white light)
- **CCT**: 5000K (cool white)
  4000K (neutral white)

All values typical unless otherwise stated (tolerance +/- 10%)
* @ 25°C ambient
### Vigilant® LED Bulkhead

#### Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Fixture Lumens</th>
<th>Wattage</th>
<th>lm/W</th>
<th>Voltage</th>
<th>CCT</th>
<th>Lens</th>
<th>Beam Distribution</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Standard Models with Flush Bracket</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BHE-4BC2-3NFN-VGN</td>
<td>3,200</td>
<td>22</td>
<td>149</td>
<td>100-277 VAC / 120-250 VDC</td>
<td>5000K</td>
<td>Clear Polycarbonate</td>
<td>Circular</td>
</tr>
<tr>
<td>BHE-4BC2-6NFN-VGN</td>
<td>6,700</td>
<td>45</td>
<td>149</td>
<td>100-277 VAC / 120-250 VDC</td>
<td>5000K</td>
<td>Clear Polycarbonate</td>
<td>Circular</td>
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<tr>
<td>BHE-4UC2-3NFN-VGN</td>
<td>3,100</td>
<td>22</td>
<td>144</td>
<td>100-277 VAC / 120-250 VDC</td>
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<td>Ultra-Wide (Type 1)</td>
</tr>
<tr>
<td>BHE-4UC2-6NFN-VGN</td>
<td>6,400</td>
<td>45</td>
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<td>100-277 VAC / 120-250 VDC</td>
<td>5000K</td>
<td>Clear Polycarbonate</td>
<td>Ultra-Wide (Type 1)</td>
</tr>
<tr>
<td><strong>Battery Backup Models with Flush Bracket</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BHE-4BCG-3NFN-VGG</td>
<td>3,200</td>
<td>25</td>
<td>128</td>
<td>230/240 VAC</td>
<td>5000K</td>
<td>Clear Polycarbonate</td>
<td>Circular</td>
</tr>
<tr>
<td>BHE-4BCG-6NFN-VGG</td>
<td>6,700</td>
<td>48</td>
<td>140</td>
<td>230/240 VAC</td>
<td>5000K</td>
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<td>Circular</td>
</tr>
<tr>
<td>BHE-4UCG-3NFN-VGG</td>
<td>3,100</td>
<td>25</td>
<td>124</td>
<td>230/240 VAC</td>
<td>5000K</td>
<td>Clear Polycarbonate</td>
<td>Ultra-Wide (Type 1)</td>
</tr>
<tr>
<td>BHE-4UCG-6NFN-VGG</td>
<td>6,400</td>
<td>48</td>
<td>133</td>
<td>230/240 VAC</td>
<td>5000K</td>
<td>Clear Polycarbonate</td>
<td>Ultra-Wide (Type 1)</td>
</tr>
</tbody>
</table>

*All values typical unless otherwise stated (tolerance +/- 10%).*  
*Part numbers listed in **bold** are typically available in stock.*  
*All models shown in table are 5000K (cool white) CCT. For 4000K (neutral white) CCT please contact your local representative for more information.*
Vigilant® LED Bulkhead - Pole Mount Model

Technical Specifications

**Mechanical Information:**

**Fixture weights:**
- Standard models: 8.1 kg (17.9 lb)
- Battery backup models: 9 kg (19.7 lb)

**Shipping weights:**
- Standard models: 8.8 kg (19.4 lb)
- Battery backup models: 9.7 kg (20.4 lb)

**Cable entry:**
(1) M25

**Spigot entry size:**
35mm ID

**Materials:**
- **Housing:** A360 Die-cast aluminium
- **Finish:** Superior dual coat finish
  - Sealed polyester topcoat
  - Epoxy primer
- **Lens:** Polycarbonate clear
  Polycarbonate diffused (optional)
- **Hardware:** 316 Stainless Steel

**Electrical Specifications:**

**Operating voltage:**
- Standard models: 100-277 VAC / 120-250 VDC
- Battery backup models: 230/240 VAC

**Operating temperature:**
- Standard models: -40°C to +65°C (-40°F to +149°F)
- Battery backup models: -20°C to +55°C (-4°F to +131°F)

**Surge protection:**
Tested to IEC 61000-4-5
6kV/3kA, 1.2/50, 8/20us Combination Wave
Line-line and line-ground

**THD:**
< 18%

**Power factor:**
> 0.9

**Dimming:**
DALI 1.0 and 2.0
0-10 VDC continuous dimming to <10%

**Battery Backup Models: (integral battery)**

**Battery duration** (circular optic, clear lens):
- 6.5k lumen outputs:
  - 180 mins ~ 900 lm
  - 90 mins ~ 1100 lm
  - 60 mins ~ 1140 lm
- 3k lumen outputs:
  - 180 mins ~ 800 lm
  - 90 mins ~ 1100 lm
  - 60 mins ~ 1140 lm

**Expected battery life:**
4 years

**Photometric Information:**

**Lumen output:**
- 3,000 & 6,500 lm (white light)
- > 80 (white light)
- 5000K (cool white)
- 4000K (neutral white)

All values typical unless otherwise stated (tolerance +/- 10%)
* @ 25°C ambient

**Certifications & Ratings**

- 10 year warranty
- CE
- IP66/67
- IK10
- L70 > 150,000 hours @ 65°C (149°F) ambient

**Dimensions in mm (inches):**

- 220 [8.7]
- 350 [13.8]
- 559 [22.0]
- 118 [4.6]

---

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## Vigilant® LED Bulkhead - Pole Mount Model
### Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Fixture Lumens</th>
<th>Wattage</th>
<th>lm/W</th>
<th>Voltage</th>
<th>CCT</th>
<th>Lens</th>
<th>Beam Distribution</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Pole Mount Models</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BPE-4BC2-3NNN-VGN</td>
<td>3,200</td>
<td>22</td>
<td>149</td>
<td>100-277 VAC / 120-250 VDC</td>
<td>5000K (cool white)</td>
<td>Clear Polycarbonate</td>
<td>Circular</td>
</tr>
<tr>
<td>BPE-4BC2-6NNN-VGN</td>
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<td>45</td>
<td>149</td>
<td>100-277 VAC / 120-250 VDC</td>
<td>5000K (cool white)</td>
<td>Clear Polycarbonate</td>
<td>Circular</td>
</tr>
<tr>
<td>BPE-4UC2-3NNN-VGN</td>
<td>3,100</td>
<td>22</td>
<td>144</td>
<td>100-277 VAC / 120-250 VDC</td>
<td>5000K (cool white)</td>
<td>Clear Polycarbonate</td>
<td>Ultra-Wide (Type 1)</td>
</tr>
<tr>
<td>BPE-4UC2-6NNN-VGN</td>
<td>6,400</td>
<td>45</td>
<td>142</td>
<td>100-277 VAC / 120-250 VDC</td>
<td>5000K (cool white)</td>
<td>Clear Polycarbonate</td>
<td>Ultra-Wide (Type 1)</td>
</tr>
<tr>
<td><strong>Pole Mount Battery Backup Models</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BPE-4BCG-3NNN-VGG</td>
<td>3,200</td>
<td>25</td>
<td>128</td>
<td>230/240 VAC</td>
<td>5000K (cool white)</td>
<td>Clear Polycarbonate</td>
<td>Circular</td>
</tr>
<tr>
<td>BPE-4BCG-6NNN-VGG</td>
<td>6,700</td>
<td>48</td>
<td>140</td>
<td>230/240 VAC</td>
<td>5000K (cool white)</td>
<td>Clear Polycarbonate</td>
<td>Circular</td>
</tr>
<tr>
<td>BPE-4UCG-3NNN-VGG</td>
<td>3,100</td>
<td>25</td>
<td>124</td>
<td>230/240 VAC</td>
<td>5000K (cool white)</td>
<td>Clear Polycarbonate</td>
<td>Ultra-Wide (Type 1)</td>
</tr>
<tr>
<td>BPE-4UCG-6NNN-VGG</td>
<td>6,400</td>
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<td>230/240 VAC</td>
<td>5000K (cool white)</td>
<td>Clear Polycarbonate</td>
<td>Ultra-Wide (Type 1)</td>
</tr>
</tbody>
</table>

All values typical unless otherwise stated (tolerance +/- 10%).
Part numbers listed in **bold** are typically available in stock.
All models shown in table are 5000K (cool white) CCT. For 4000K (neutral white) CCT please contact your local representative for more information.
DuroSite® LED Floodlight

Technical Specifications

**Mechanical Information**

<table>
<thead>
<tr>
<th>Fixture weight:</th>
<th>Lumens</th>
<th>Wattage</th>
<th>lm/W</th>
</tr>
</thead>
<tbody>
<tr>
<td>14,500 - 15,000 lm:</td>
<td>15,000</td>
<td>135</td>
<td>111</td>
</tr>
<tr>
<td>11,000 - 11,500 lm:</td>
<td>14,750</td>
<td>135</td>
<td>109</td>
</tr>
<tr>
<td>Shipping weight:</td>
<td>14,500 - 15,000 lm:</td>
<td>14,500</td>
<td>140</td>
</tr>
<tr>
<td>11,000 - 11,500 lm:</td>
<td>11,500</td>
<td>106</td>
<td>108</td>
</tr>
<tr>
<td>11,250</td>
<td>106</td>
<td>106</td>
<td></td>
</tr>
<tr>
<td>11,000</td>
<td>106</td>
<td>104</td>
<td></td>
</tr>
<tr>
<td>EPA (sq.m)</td>
<td>0.05 sq. m (0.55 sq. ft)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mounting:</td>
<td>304 Stainless steel trunnion mounting bracket included</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Secondary retention standard</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cable Entry:</td>
<td>M20 x 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Terminals:</td>
<td>4mm² x 3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Specifications**

- **Voltage options:** 100-277 VAC, 50/60Hz
- **Housing:** Die cast aluminium
- **Operating temp:** -40°C to +65°C
- **Finish:** Superior dual coat finish
  - Sealed polyester topcoat
  - Chemical-resistant epoxy prime
- **Power factor:** >0.9
- **Lens:** Tempered glass
  - Polycarbonate
- **THD:** <20%
- **CRI:** 75
- **Surge protection:** 6kV line-to-line, 6kV line-to-ground
- **CCT:** 5000K (cool white)

**Ratings and Certifications**

- 10 year warranty
- L70 >150,000 hours @ 25°C ambient
- CE
- IP66/67
- IK07 (glass lens), IK10 (polycarbonate lens)

*All features not available on every model. Please refer to product part number pages for model specifics.

**Dimensions**

**WARNING - INSTALLATION & SECONDARY RETENTION.** Use of any Dialight products without proper installation (including secondary retention / netting) and periodic inspections could cause severe injury or death. Dialight recommends that all installations should use secondary retention / netting (appropriate to the installation environment) where applicable. It is the exclusive responsibility of the contractor, installer and/or end-user to: (a) determine the suitability of the product for its intended application; and, (b) ensure that the product is safely installed (with secondary retention / netting where appropriate) and in compliance with all applicable laws and regulations. To the extent permissible under applicable laws, Dialight disclaims all liability for personal injury and/or other damage resulting from any dislodgment or other dislocation of its products.

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# DuroSite® LED Floodlight

## Ordering Information & Mounting Accessories

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Lumens</th>
<th>Wattage</th>
<th>lm/W</th>
<th>Voltage</th>
<th>Colour Temperature (CCT)</th>
<th>Lens</th>
<th>Beam Angle</th>
<th>Field Angle</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLE466MC4NG</td>
<td>15,000</td>
<td>135</td>
<td>111</td>
<td>100-277 VAC</td>
<td>5000K (cool white)</td>
<td>Tempered glass</td>
<td>45°</td>
<td>115°</td>
</tr>
<tr>
<td>FLE476MC4NG</td>
<td>14,750</td>
<td>135</td>
<td>109</td>
<td>100-277 VAC</td>
<td>5000K (cool white)</td>
<td>Tempered glass</td>
<td>105° x 70°</td>
<td>140° x 115°</td>
</tr>
<tr>
<td>FLE467MC4NG</td>
<td>14,750</td>
<td>135</td>
<td>109</td>
<td>100-277 VAC</td>
<td>5000K (cool white)</td>
<td>Tempered glass</td>
<td>70° x 105°</td>
<td>115° x 140°</td>
</tr>
<tr>
<td>FLE455MC4NG</td>
<td>14,500</td>
<td>140</td>
<td>104</td>
<td>100-277 VAC</td>
<td>5000K (cool white)</td>
<td>Tempered glass</td>
<td>27°</td>
<td>90°</td>
</tr>
<tr>
<td>FLE444MC4NG</td>
<td>14,500</td>
<td>140</td>
<td>104</td>
<td>100-277 VAC</td>
<td>5000K (cool white)</td>
<td>Tempered glass</td>
<td>26°</td>
<td>52°</td>
</tr>
<tr>
<td>FLE276MC2NG</td>
<td>11,500</td>
<td>106</td>
<td>108</td>
<td>100-277 VAC</td>
<td>5000K (cool white)</td>
<td>Tempered glass</td>
<td>105° x 70°</td>
<td>140° x 115°</td>
</tr>
<tr>
<td>FLE266MC2NG</td>
<td>11,250</td>
<td>106</td>
<td>106</td>
<td>100-277 VAC</td>
<td>5000K (cool white)</td>
<td>Tempered glass</td>
<td>45°</td>
<td>115°</td>
</tr>
<tr>
<td>FLE255MC2NG</td>
<td>11,000</td>
<td>106</td>
<td>104</td>
<td>100-277 VAC</td>
<td>5000K (cool white)</td>
<td>Tempered glass</td>
<td>27°</td>
<td>90°</td>
</tr>
</tbody>
</table>

All values typical unless otherwise stated (tolerance +/- 10%).
Poly carbonate lens available, please consult local Dialight sales office for availability.

**HZXSAFECBLS**
- Stainless steel safety cable kit

---

**FACTORY-INSTALLED MOUNTING BRACKET DIMENSIONS**

![Diagram of mounting bracket dimensions](image)

**Dimension in mm [inches]**

**DISCLAIMER.** All product information provided is, to the best of Dialight’s knowledge, accurate as of the date of publication. When ordering, refer to [www.dialight.com](http://www.dialight.com) for current versions of: (a) relevant product documentation (including the relevant product data sheets); (b) Dialight terms and conditions of sale; and, (c) the relevant product warranty. To the extent that any contract is deemed formed between Dialight and the purchaser of Dialight products and/or an end-user, versions of documents available at [www.dialight.com](http://www.dialight.com) at the date of sale shall be the versions incorporated therein. In the event of any discrepancy between this document or information provided at [www.dialight.com](http://www.dialight.com), the latter shall prevail.

[www.dialight.com](http://www.dialight.com)
DuroSite® LED Stainless Steel Linear

Technical Specifications

**Ratings and Certifications**
- 5 year warranty
- L70 >150,000 hours @ 25°C ambient
- CE
- IP66/67
- IK09

*All features not available on every model. Please refer to product part number pages for model specifics. Emergency options available, please consult your local Dialight sales office.

### Mechanical Information

<table>
<thead>
<tr>
<th>Fixture weight:</th>
<th>Standard: 1308mm - 11.3 kg (25 lbs)</th>
<th>Emergency: 1450mm - 14.1 kg (31 lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shipping weight:</td>
<td>Standard: 1308mm - 11.1 kg (25 lbs)</td>
<td>Emergency: 1450mm - 17.2 kg (38 lbs)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mounting:</th>
<th>(2) M8 fixing points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Entry:</td>
<td>Secondary retention not available</td>
</tr>
<tr>
<td>Terminals:</td>
<td>4mm² x 7</td>
</tr>
</tbody>
</table>

### Specifications

<table>
<thead>
<tr>
<th>Voltage options:</th>
<th>Standard: 100-277 VAC</th>
<th>Emergency: 230, 240 VAC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Housing:</td>
<td>316 Marine grade stainless steel</td>
<td></td>
</tr>
<tr>
<td>Lens:</td>
<td>High impact resistant diffused polycarbonate</td>
<td></td>
</tr>
<tr>
<td>Operating temp:</td>
<td>Standard: -20°C to +60°C</td>
<td>Emergency: -20°C to +60°C</td>
</tr>
<tr>
<td>CCT:</td>
<td>5000K (cool white) 4000K (neutral white)</td>
<td></td>
</tr>
<tr>
<td>Power factor:</td>
<td>&gt;0.9</td>
<td></td>
</tr>
<tr>
<td>Surge protection:</td>
<td>EN 61000-4-5 1kV line-to-line, 2kV line-to-ground</td>
<td></td>
</tr>
</tbody>
</table>

### Emergency Models

<table>
<thead>
<tr>
<th>Battery:</th>
<th>3.6V 10Ah NiMH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Duration:</td>
<td>@ 25°C ambient - est. &gt;3 hours</td>
</tr>
<tr>
<td>Expected battery life:</td>
<td>4 years</td>
</tr>
</tbody>
</table>

### Comparison

<table>
<thead>
<tr>
<th>Warranty</th>
<th>L70</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dialight LED Linear</td>
<td>5yr &gt;150,000</td>
</tr>
<tr>
<td>Fluorescent</td>
<td>1 24,000</td>
</tr>
</tbody>
</table>

### Standard Model Dimensions

**Beam Distribution**

*Beam Distribution Diagram*

### Emergency Model Dimensions

**Beam Distribution**

*Beam Distribution Diagram*
DuroSite® LED Stainless Steel Linear
Ordering Information & Mounting Accessories

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Lumens</th>
<th>Wattage</th>
<th>lm/W</th>
<th>Voltage</th>
<th>Colour Temperature (CCT)</th>
<th>Lens</th>
<th>Beam Distribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>EL-1C6R-SSCB4</td>
<td>5,100</td>
<td>67</td>
<td>76</td>
<td>100-277 VAC</td>
<td>5000K (cool white)</td>
<td>Polycarbonate</td>
<td>Medium</td>
</tr>
<tr>
<td>EL-1C6M-SSCB4</td>
<td>2,600</td>
<td>34</td>
<td>76</td>
<td>100-277 VAC</td>
<td>5000K (cool white)</td>
<td>Polycarbonate</td>
<td>Medium</td>
</tr>
<tr>
<td>ELX-2C7R-SSCB4</td>
<td>5,100</td>
<td>70</td>
<td>73</td>
<td>230-240 VAC</td>
<td>5000K (cool white)</td>
<td>Polycarbonate</td>
<td>Medium</td>
</tr>
<tr>
<td>ELX-2C7M-SSCB4</td>
<td>2,600</td>
<td>35</td>
<td>74</td>
<td>230-240 VAC</td>
<td>5000K (cool white)</td>
<td>Polycarbonate</td>
<td>Medium</td>
</tr>
</tbody>
</table>

Emergency Model - 230-240 VAC

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Lumens</th>
<th>Wattage</th>
<th>lm/W</th>
<th>Voltage</th>
<th>Colour Temperature (CCT)</th>
<th>Lens</th>
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<tr>
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<td>5,100</td>
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<td>Polycarbonate</td>
<td>Medium</td>
</tr>
</tbody>
</table>

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

Mounting Options

- ELXCMSS
  - 316 Marine Grade Stainless steel ceiling mount kit

- ELXEYESS
  - 316 Marine Grade Stainless steel eyelet kit

- ELX-BATT-KIT
  - 3.6V NiMH battery kit

- ELXPCSS42
  - 37 Ø - 44mm range 316 Marine Grade Stainless steel pole clamp

- ELXPCSS47
  - 44 Ø - 50mm range 316 Marine Grade Stainless steel pole clamp

- ELXPCSS54
  - 50 Ø - 58mm range 316 Marine Grade Stainless steel pole clamp

- ELXPCSS59
  - 58 Ø - 68mm range 316 Marine Grade Stainless steel pole clamp

- ELXWMBSS30
  - 30° 316 Marine Grade Stainless steel wall mount kit

- ELXWMBSS45
  - 45° 316 Marine Grade Stainless steel wall mount kit

- ELXWMBSS60
  - 60° 316 Marine Grade Stainless steel wall mount kit

- ELXWMBSS90
  - 90° 316 Marine Grade Stainless steel wall mount kit

M20 cable entry options available, please consult local Dialight sales office for availability.
Neutral white options available, please consult local Dialight sales office for availability.

All values typical unless otherwise stated (tolerance +/- 10%).
M20 cable entry options available, please consult local Dialight sales office for availability.
Neutral white options available, please consult local Dialight sales office for availability.
DuroSite® LED Bulkhead

Technical Specifications

**Ratings and Certifications**

- 5 year warranty
- L70 >100,000 hours @ 25°C ambient
- CE
- IP65/67
- Emergency models available
- IK08

*All features not available on every model. Please refer to product part number pages for model specifics.

**Mechanical Information**

<table>
<thead>
<tr>
<th>Fixture weight:</th>
<th>Standard Models</th>
<th>Emergency Models</th>
</tr>
</thead>
<tbody>
<tr>
<td>34W:</td>
<td>4.5 kg (10 lbs)</td>
<td></td>
</tr>
<tr>
<td>36W:</td>
<td>5.9 kg (13 lbs)</td>
<td></td>
</tr>
<tr>
<td>Cable Entry:</td>
<td>M20 x 3</td>
<td></td>
</tr>
<tr>
<td>Mounting:</td>
<td>Secondary retention not available</td>
<td></td>
</tr>
<tr>
<td>Terminals:</td>
<td>4mm² x 3</td>
<td></td>
</tr>
</tbody>
</table>

**Specifications**

**Voltage options:**

- Standard Models
  - 34W: 100-277 VAC
  - 36W: 207-264 VAC

- Emergency Models
  - 34W: 100-277 VAC
  - 36W: 207-264 VAC

**Housing:** Copper-free aluminium

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

**Power factor:** >0.9

**THD:** <20%

**Lens:** High impact resistant clear glass

**Operating temp:**

- Standard Models
  - 34W: -40°C to +50°C
  - 36W: -20°C to +40°C

- Emergency Models - Battery
  - 36W: 3.6V 10Ah NiMH

**Expected Battery Life:** 4 years

**Surge protection:**

- EN 61000-4-5
- 1kV line-to-line, 2kV line-to-ground

**Battery Duration:** @ 25°C ambient - est. >3 hours

**Comparison**

<table>
<thead>
<tr>
<th>Warranty</th>
<th>L70</th>
</tr>
</thead>
<tbody>
<tr>
<td>DuroSite LED Bulkhead</td>
<td>5yr</td>
</tr>
<tr>
<td>Metal Halide</td>
<td>1</td>
</tr>
<tr>
<td>High Pressure Sodium</td>
<td>1</td>
</tr>
<tr>
<td>Fluorescent</td>
<td>1</td>
</tr>
</tbody>
</table>

**Standard Models**

<table>
<thead>
<tr>
<th>Lumens</th>
<th>Wattage</th>
<th>lm/W</th>
<th>Mounting Heights</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,250</td>
<td>34</td>
<td>66</td>
<td>3m</td>
</tr>
</tbody>
</table>

**Emergency Models**

<table>
<thead>
<tr>
<th>Lumens</th>
<th>Wattage</th>
<th>lm/W</th>
<th>Mounting Heights</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,250</td>
<td>36</td>
<td>63</td>
<td>3m</td>
</tr>
</tbody>
</table>

---

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www.dialight.com
DuroSite® LED Bulkhead
Ordering Information & Mounting Accessories

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Lumens</th>
<th>Wattage</th>
<th>lm/W</th>
<th>Voltage</th>
<th>Colour Temperature (CCT)</th>
<th>Lens</th>
<th>Beam Distribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>WP-4C3L-NLGCE</td>
<td>2,250</td>
<td>34</td>
<td>66</td>
<td>100-277 VAC</td>
<td>5650K (cool white)</td>
<td>Tempered Glass</td>
<td>Oval (35° x 55°)</td>
</tr>
<tr>
<td>WE-4C4L-NLGCE</td>
<td>2,250</td>
<td>36</td>
<td>63</td>
<td>207-264 VAC</td>
<td>5650K (cool white)</td>
<td>Tempered Glass</td>
<td>Oval (35° x 55°)</td>
</tr>
</tbody>
</table>

Emergency Models - 207-264 VAC

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

WP-BRKT-SS-ADJ
- Adjustable bracket
- Includes self-tapping screws

WPX-001500-BATT
- 10Ah 3.6V battery module
- Replacement battery kit
- Battery Backup models only

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Also available:

WP-BRKT-F-KIT
- Flush mounting brackets
- Bracket to fixture hardware
- Includes (2) brackets in 304 Stainless steel and stainless mounting hardware

WP-BRKT-SS-30
- 30° angle mounting brackets
- Bracket to fixture hardware
- Includes (2) brackets in 304 Stainless steel and stainless mounting hardware
**DuroSite® LED Bulkhead**

**Dimensional Drawings**

**Dimensions**

- Exterior Dimensions:
  - Length: 384 [15.13] mm
  - Width: 320 [12.56] mm
  - Height: 104 [4.09] mm

- Mounting dimensions:
  - 8 x M6 screws

**Beam Distribution**

- Oval Pattern (35° x 55°)

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**DuroSite® LED Bulkhead**

**Dimensional Drawings**

<table>
<thead>
<tr>
<th>Standard without Bracket</th>
<th>30° Angle Bracket - WP-BRKT-SS-30</th>
<th>Flush Bracket WP-BRKT-F-KIT</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Standard without Bracket" /></td>
<td><img src="image2" alt="30° Angle Bracket" /></td>
<td><img src="image3" alt="Flush Bracket" /></td>
</tr>
</tbody>
</table>

*Holes are blank and blind*

<table>
<thead>
<tr>
<th>Cable Entry - Supplied as Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image4" alt="Cable Entry" /></td>
</tr>
</tbody>
</table>

2 Entries One Side, 1 Entry Opposite Side.

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Hazardous Application | High Bay

SafeSite® LED High Bay
Technical Specification

Certifications & Ratings (All Models)
- IECEx/ATEX Zones 1, 21
- IECEx/ATEX Zones 2, 22
- CE
- ABS Design Assessed: (pending)
- IP66
- IK10
- RoHS compliant
- HEA IECEx BAS 10.0074X
- BaseefaATEX0148X
- HEH IECEx BAS 12.0044X
- Baseera12ATEX0070X

Certifications & Ratings (IIB Models)
- Ex II 2 GD
- Ex d® IIB T4 Gb
- Ex tb IIIC 135°C Db
*Add Ex e for factory fitted junction box

Certifications & Ratings (IIB + Hydrogen Models)
- Ex II 2 GD
- Ex d® IIB+H2 T4 Gb
- Ex tb IIIC 135°C Db
*Add Ex e for factory fitted junction box

### Mechanical Information

| Fixture weight: | 14.1 kg (31 lbs) with fixed cable |
| 15.4 kg (34 lbs) with junction box |
| Mounting: | 316 grade stainless steel bracket (included) |
| Secondary retention option available |
| Wiring options: | M25 x 2 |
| Terminals: | 4mm² x 3 |

### Temperature Ratings
Ambient Temperature Range T4
-40°C to +65°C

### Specifications

| Voltage options: | Housing: | Copper-free aluminium |
| 100-277 VAC | 16,000lm & lower models |
| 110-277 VAC | 23,500lm models |
| Operating temp: | -40°C to +65°C |
| Power factor: | >0.9 |
| Finish: | Superior dual coat finish |
| - Chemical-resistant epoxy prime |
| THD: | <20% |
| CRI: | 75 typical |
| Surge protection: | 500K (cool white) |
| CCT: | 400K (neutral white) |

### Comparison

| Warranty | L70 | T-Rating |
| 1yr | >150,000 | T4 |
| 1 | 15,000 | T2 |
| 1 | 20,000 | T2 |

### Lumens | Wattage | lm/W | Mounting Heights |
| 23,500 | 212 | 110 | 12m |
| 16,000 | 144 | 110 |
| 12,500 | 112 | 110 |
| 9,650 | 88 | 110 | 5m |

### Dimensions

**Dimension in mm**

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## SafeSite® LED High Bay

### Ordering Information & Mounting Accessories

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<th>Lumens</th>
<th>Wattage</th>
<th>lm/W</th>
<th>Voltage</th>
<th>Colour Temperature (CCT)</th>
<th>Lens</th>
<th>Beam Distribution</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Junction Box Models</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HEA9MC4PN-KCG</td>
<td>23,500</td>
<td>212</td>
<td>110</td>
<td>110-277 VAC</td>
<td>5000K (cool white)</td>
<td>Glass</td>
<td>Medium</td>
</tr>
<tr>
<td>HEA9MC4KN-KCG</td>
<td>16,000</td>
<td>144</td>
<td>110</td>
<td>100-277 VAC</td>
<td>5000K (cool white)</td>
<td>Glass</td>
<td>Medium</td>
</tr>
<tr>
<td>HEA9MC4GN-KCG</td>
<td>12,500</td>
<td>112</td>
<td>110</td>
<td>100-277 VAC</td>
<td>5000K (cool white)</td>
<td>Glass</td>
<td>Medium</td>
</tr>
<tr>
<td>HEA9MC4DN-KCG</td>
<td>9,650</td>
<td>88</td>
<td>110</td>
<td>100-277 VAC</td>
<td>5000K (cool white)</td>
<td>Glass</td>
<td>Medium</td>
</tr>
<tr>
<td><strong>Hydrogen Environment - Standard Models</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HEH9MC4PN-BCG</td>
<td>23,500</td>
<td>212</td>
<td>110</td>
<td>110-277 VAC</td>
<td>5000K (cool white)</td>
<td>Glass</td>
<td>Medium</td>
</tr>
<tr>
<td>HEH9MC4KN-BCG</td>
<td>16,000</td>
<td>144</td>
<td>110</td>
<td>100-277 VAC</td>
<td>5000K (cool white)</td>
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</tr>
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<td>100-277 VAC</td>
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<td>Glass</td>
<td>Medium</td>
</tr>
</tbody>
</table>

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

Models in chart above are 5000K CCT. For 4000K CCT change the 6th character from C to N & deduct 3% from the lumen table.

For optional glass fragment retention film, change the 11th character from a C to a F.

Junction box models come standard with M25 entries. For M20 cable entries and leaded versions please consult local Dialight sales office for availability.

### Mounting Accessories

- **HBXW3-SS**: 316 stainless steel swivel bracket (included with fixture)
- **HBXSBK**: Sand blast kit (flat lens)
- **HBXSBK**: Sacrificial flat lens
- **HBXW3-SSL-316M**: 316 Stainless steel bracket
- **HBXW3-SSL-304M**: 304 Stainless steel bracket
- **HBXW3-SSL-316FT**: 304 Stainless steel forward throw bracket
- **HBXW3-SSL-304FT**: 316 Stainless steel forward throw bracket
- **HBXW3-SSL-316M**: 316 Stainless steel bracket
- **HBXW3-SSL-304M**: 304 Stainless steel bracket
- **HBXW3-SSL-316FT**: 316 Stainless steel forward throw bracket
- **HBXW3-SSL-304FT**: 304 Stainless steel forward throw bracket

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Certifications & Ratings

• 10 year warranty
• CE
• IP66/67
• ATEX/IECEx Zone 1, 2, 21 & 22
  - Ex II 2 GD
  - Ex ec IIC T4 Gc
  - Ex tC IIC T130°C Db
  - Sira 19ATEX4226X
  - IECEx SIR 19.0069X
• ATEX/IECEx Zones 2, 21 & 22
  - Ex II 3 GD
  - Ex ec IIC T4 Gc
  - Ex tC IIC T130°C Dc
  - Sira 19ATEX4227X
  - IECEx SIR 19.0069X
• DALI 1.0/2.0 as standard
• Up to 2,875 & 5,750 (nominal) lumen outputs
• Available in 764 mm & 1244 mm models
• Wireless controls available on select models (Zone 2 models only, please consult factory)

764 mm Model

1244 mm Model

Dimensions in mm

Mechanical Information:

Fixture weights:
- Standard models: 764 mm: 7.9 kg (17.4 lbs)
  1244 mm: 10.9 kg (24 lbs)
- Emergency models: 764 mm: 8.7 kg (19.2 lbs)
  1244 mm: 11.9 kg (26.2 lbs)
Mounting:
- (2) M8 fixing points
- Other mounting options available
Cable entry:
- (2) M25 cable entries at both ends, through wired as standard. Consult factory for other options
Safety Retention:
- (4) 316 Stainless steel tabs as standard

Electrical Specifications:

Operating voltage:
- Standard: 100-277 VAC, 50/60Hz
  120-250 VDC
- Emergency: 230/240 VAC, 50Hz
Operating temperature:
- Standard models: -40°C to +65°C
- Emergency models: -20°C to +50°C
Harmonics & emissions:
- IEC 55015 (conducted & radiated)
- IEC 61000-3-2
- IEC 61000-3-3
- IEC 61547
Transient protection:
- IEC 61000-4-5
  6 kV line-to-line & line-to-ground
Power factor:
- > 0.9

Emergency Models:

Lumen output in EM mode:
- 10-25% of initial light output
  (depending on selected duration and length of fitting)
Expected battery life*:
- 4 years
Battery duration*:
- 180 min. (standard)
  60/90 min. (optional, field-configurable)

Materials:

Housing:
- Glass-reinforced polyester
Lens:
  - Textured polycarbonate
  - Convex lens (standard)
  - Textured flat glass lens (optional)

Photometric Information:

CRI:
- 80 minimum
CCT:
- 5000K (cool white)
- 4000K (neutral white)
- Green LEDs for Shower Safe version

All values typical unless otherwise stated (tolerance +/- 10%)
* @ 25°C ambient

www.dialight.com
### Ordering Information

**SafeSite® LED GRP Linear - ATEX / IECEx**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Legacy Part Number</th>
<th>Fixture Lumens (Nominal)</th>
<th>Wattage</th>
<th>Im/W</th>
<th>Voltage</th>
<th>CCT</th>
<th>Lens</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Zone 1, 2, 21 &amp; 22 Models (Standard)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>P2ABMC23A54WGN</td>
<td></td>
<td>2,875</td>
<td>25</td>
<td>115</td>
<td>100-277 VAC/120-250 VDC</td>
<td>5000K (cool white)</td>
<td>Textured Polycarbonate</td>
</tr>
<tr>
<td>P4ABMC26A54WGN</td>
<td></td>
<td>5,750</td>
<td>47</td>
<td>123</td>
<td>100-277 VAC/120-250 VDC</td>
<td>5000K (cool white)</td>
<td>Textured Polycarbonate</td>
</tr>
<tr>
<td>P2ABMN23A54WGN</td>
<td></td>
<td>2,785</td>
<td>25</td>
<td>111</td>
<td>100-277 VAC/120-250 VDC</td>
<td>4000K (neutral white)</td>
<td>Textured Polycarbonate</td>
</tr>
<tr>
<td>P4ABMN26A54WGN</td>
<td></td>
<td>5,575</td>
<td>47</td>
<td>119</td>
<td>100-277 VAC/120-250 VDC</td>
<td>4000K (neutral white)</td>
<td>Textured Polycarbonate</td>
</tr>
<tr>
<td><strong>Zone 2, 21 &amp; 22 Models (Standard)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>P2BBMC23A54WGN</td>
<td>P2BBMC23A5NWGN</td>
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<td>100-277 VAC/120-250 VDC</td>
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<td>119</td>
<td>100-277 VAC/120-250 VDC</td>
<td>4000K (neutral white)</td>
<td>Textured Polycarbonate</td>
</tr>
<tr>
<td><strong>Zone 1, 2, 21 &amp; 22 Models (Emergency Backup)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>P2ABMCG3A54WGG</td>
<td></td>
<td>2,875</td>
<td>29</td>
<td>99</td>
<td>230/240 VAC</td>
<td>5000K (cool white)</td>
<td>Textured Polycarbonate</td>
</tr>
<tr>
<td>P4ABMCG6A54WGG</td>
<td></td>
<td>5,750</td>
<td>51</td>
<td>113</td>
<td>230/240 VAC</td>
<td>5000K (cool white)</td>
<td>Textured Polycarbonate</td>
</tr>
<tr>
<td>P2ABMNG3A54WGG</td>
<td></td>
<td>2,785</td>
<td>29</td>
<td>96</td>
<td>230/240 VAC</td>
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<td>230/240 VAC</td>
<td>4000K (neutral white)</td>
<td>Textured Polycarbonate</td>
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<tr>
<td><strong>Zone 2, 21 &amp; 22 Models (Emergency Backup)</strong></td>
<td></td>
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<td>Textured Polycarbonate</td>
</tr>
<tr>
<td>P2BBMN23A54WGG</td>
<td>P2BBMN23A5NWGF</td>
<td>2,785</td>
<td>29</td>
<td>96</td>
<td>230/240 VAC</td>
<td>4000K (neutral white)</td>
<td>Textured Polycarbonate</td>
</tr>
<tr>
<td>P4BBMN26A54WGG</td>
<td>P4BBMN26A5NWGF</td>
<td>5,575</td>
<td>51</td>
<td>109</td>
<td>230/240 VAC</td>
<td>4000K (neutral white)</td>
<td>Textured Polycarbonate</td>
</tr>
</tbody>
</table>

**Shower-Safe/Eye-Wash Station Version - Zone 1, 2, 21 & 22 (Emergency Backup)**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Legacy Part Number</th>
<th>Wattage</th>
<th>Im/W</th>
<th>Voltage</th>
<th>CCT</th>
<th>Lens</th>
</tr>
</thead>
<tbody>
<tr>
<td>P2ABMGG3A54WGG</td>
<td></td>
<td>29</td>
<td></td>
<td>230/240 VAC</td>
<td>Green</td>
<td>Textured Polycarbonate</td>
</tr>
<tr>
<td>P4ABMGG6A54WGG</td>
<td></td>
<td>51</td>
<td></td>
<td>230/240 VAC</td>
<td>Green</td>
<td>Textured Polycarbonate</td>
</tr>
</tbody>
</table>

**Shower-Safe/Eye-Wash Station Version - Zone 2, 21 & 22 (Emergency Backup)**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Legacy Part Number</th>
<th>Wattage</th>
<th>Im/W</th>
<th>Voltage</th>
<th>CCT</th>
<th>Lens</th>
</tr>
</thead>
<tbody>
<tr>
<td>P2BBMG23A54WGG</td>
<td>P2BBMG23A5NWGF</td>
<td>29</td>
<td></td>
<td>230/240 VAC</td>
<td>Green</td>
<td>Textured Polycarbonate</td>
</tr>
<tr>
<td>P4BBMG26A54WGG</td>
<td>P4BBMG26A5NWGF</td>
<td>51</td>
<td></td>
<td>230/240 VAC</td>
<td>Green</td>
<td>Textured Polycarbonate</td>
</tr>
</tbody>
</table>

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

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Beam Distribution
Hazardous Application | Linear

Accessories

**ELX-CMB-SS**
- 316 Marine Grade stainless steel ceiling mount kit

**ELX-PC-SS-42**
- 37-44mm Ø 316 Marine Grade stainless steel pole clamp

**ELX-PC-SS-47**
- 44-50mm Ø 316 Marine Grade stainless steel pole clamp

**ELX-PC-SS-54**
- 50-58mm Ø 316 Marine Grade stainless steel pole clamp

**ELX-PC-SS-59**
- 58-68mm Ø 316 Marine Grade stainless steel pole clamp

**ELX-WMB-SS-45**
- 45° 316 Marine Grade stainless steel wall mount kit

**ELX-WMB-SS-60**
- 60° 316 Marine Grade stainless steel wall mount kit

**HBXCAP48**
- 48" long stainless steel safety rope (for use with safety bracket)

**ELX-EYE-SS**
- 316 Marine Grade stainless steel eyelet kit

**ELX-PC-SS-42**
- 37-44mm Ø 316 Marine Grade stainless steel pole clamp

**ELX-PC-SS-47**
- 44-50mm Ø 316 Marine Grade stainless steel pole clamp

**ELX-PC-SS-54**
- 50-58mm Ø 316 Marine Grade stainless steel pole clamp

**ELX-PC-SS-59**
- 58-68mm Ø 316 Marine Grade stainless steel pole clamp

**ELX-WMB-SS-45**
- 45° 316 Marine Grade stainless steel wall mount kit

**ELX-WMB-SS-60**
- 60° 316 Marine Grade stainless steel wall mount kit

**RLX-BATT-KIT-2**
- 764mm replacement battery kit

**RLX-BATT-KIT-4**
- 1244mm replacement battery kit

**RLX-WG-2**
- Wire guard for 764mm model

**RLX-WG-4**
- Wire guard for 1244mm model

**RLX-WG-2**
- Wire guard for 764mm model

**RLX-WG-4**
- Wire guard for 1244mm model

**RL-WIRELESS-2**
- Wireless controls kit for 764mm models (Zone 2 only)

**RL-WIRELESS-4**
- Wireless controls kit for 1244mm models (Zone 2 only)

*Must be fitted to GRP Linear by authorized Dialight personnel prior to delivery

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www.dialight.com
# SafeSite® LED Stainless Steel Linear

## Technical Specifications

### Mechanical Information

<table>
<thead>
<tr>
<th></th>
<th>Standard: 1308mm - 11.3 kg (25 lbs)</th>
<th>708mm - 6.8 kg (15 lbs)</th>
<th>Emergency: 1308mm - 14.1 kg (31 lbs)</th>
<th>708mm - 9.1 kg (20 lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fixture weight:</strong></td>
<td>Standard: 1308mm - 11.3 kg (25 lbs)</td>
<td>708mm - 6.8 kg (15 lbs)</td>
<td>Emergency: 1308mm - 14.1 kg (31 lbs)</td>
<td>708mm - 9.1 kg (20 lbs)</td>
</tr>
<tr>
<td><strong>Shipping weight:</strong></td>
<td>Standard: 1308mm - 14.1 kg (31 lbs)</td>
<td>708mm - 9.1 kg (20 lbs)</td>
<td>Emergency: 1308mm - 17.2 kg (38 lbs)</td>
<td>708mm - 10.9 kg (24 lbs)</td>
</tr>
<tr>
<td><strong>Mounting:</strong></td>
<td>(2) M8 fixing points</td>
<td>Secondary retention not available</td>
<td>(2) M8 fixing points</td>
<td>Secondary retention not available</td>
</tr>
<tr>
<td><strong>Cable Entry:</strong></td>
<td>M25 x 2 cable entries at both ends, through wired as standard. M20 options available, consult sales</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Terminals</strong></td>
<td>4mm² x 7</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Ratings and Certifications
- 5 year warranty
- L70 >150,000 hours @ 25°C ambient
- IECEx / ATEX Zones 1, 21 and Zones 2, 22
- IP66/67
- IK09
- CE

### Specifications

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Housing:</td>
<td>316 Marine grade stainless steel</td>
<td>High impact resistant diffused polycarbonate</td>
</tr>
<tr>
<td><strong>Operating temp:</strong></td>
<td>Standard: -20°C to +60°C</td>
<td>Emergency: -20°C to +60°C</td>
</tr>
<tr>
<td><strong>CRI:</strong></td>
<td>70</td>
<td></td>
</tr>
<tr>
<td><strong>CCT:</strong></td>
<td>5000K (cool white)</td>
<td>4000K (neutral white)</td>
</tr>
<tr>
<td><strong>Power factor:</strong></td>
<td>&gt;0.9</td>
<td></td>
</tr>
<tr>
<td><strong>Surge protection:</strong></td>
<td>EN 61000-4-5</td>
<td>1 kV line to line, 2 kV line to ground</td>
</tr>
</tbody>
</table>

### Emergency Models

| Battery:                  | 3.6V 10AH NiMH         | Duration: > 180 minutes |
| Expected battery life:    | 4 years                |                         |

### Comparison

<table>
<thead>
<tr>
<th></th>
<th>Warranty</th>
<th>L70</th>
<th>T-Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dialight LED Linear</td>
<td>5yr</td>
<td>&gt;150,000</td>
<td>T5</td>
</tr>
<tr>
<td>Fluorescent</td>
<td>1</td>
<td>24,000</td>
<td>T4</td>
</tr>
</tbody>
</table>

### Standard Model Dimensions

<table>
<thead>
<tr>
<th>Beam Distribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimension in mm</td>
</tr>
</tbody>
</table>

### Emergency Model Dimensions

<table>
<thead>
<tr>
<th>Beam Distribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimension in mm</td>
</tr>
</tbody>
</table>

### WARNING - INSTALLATION & SECONDARY RETENTION.
Use of any Dialight products without proper installation (including secondary retention / netting) and periodic inspections could cause severe injury or death. Dialight recommends that all installations should use secondary retention / netting (appropriate to the installation environment) where applicable. It is the exclusive responsibility of the contractor, installer and/or end-user to: (a) determine the suitability of the product for its intended application; and, (b) ensure that the product is safely installed (with secondary retention / netting where appropriate) and in compliance with all applicable laws and regulations. To the extent permissible under applicable laws, Dialight disclaims all liability for personal injury and/or other damage resulting from any dislodgment or other dislocation of its products.
SafeSite® LED Stainless Steel Linear

Ordering Information & Mounting Accessories

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Fixture Lumens</th>
<th>Emergency Mode Lumens</th>
<th>Wattage</th>
<th>lm/W</th>
<th>Voltage</th>
<th>Colour Temperature (CCT)</th>
<th>Lens</th>
<th>Beam Distribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELA-106R-SSCB4</td>
<td>5,100</td>
<td>67</td>
<td>76</td>
<td>110-250 VAC</td>
<td>5000K (cool white)</td>
<td>Polycarbonate</td>
<td>Medium</td>
<td></td>
</tr>
<tr>
<td>ELA-106M-SSCB4</td>
<td>2,600</td>
<td>34</td>
<td>76</td>
<td>110-250 VAC</td>
<td>5000K (cool white)</td>
<td>Polycarbonate</td>
<td>Medium</td>
<td></td>
</tr>
<tr>
<td>ELA-1N6R-SSCB4</td>
<td>4,850</td>
<td>67</td>
<td>72</td>
<td>110-250 VAC</td>
<td>4000K (neutral white)</td>
<td>Polycarbonate</td>
<td>Medium</td>
<td></td>
</tr>
<tr>
<td>ELA-1N6M-SSCB4</td>
<td>2,500</td>
<td>34</td>
<td>74</td>
<td>110-250 VAC</td>
<td>4000K (neutral white)</td>
<td>Polycarbonate</td>
<td>Medium</td>
<td></td>
</tr>
<tr>
<td>ELA-1G3M-SSC</td>
<td>34</td>
<td>110-250 VAC</td>
<td>Green</td>
<td>Polycarbonate</td>
<td>Medium</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELEA-2C7R-SSCB4</td>
<td>5,100</td>
<td>271</td>
<td>70</td>
<td>73</td>
<td>230 / 240 VAC</td>
<td>5000K (cool white)</td>
<td>Polycarbonate</td>
<td>Medium</td>
</tr>
<tr>
<td>ELEA-2C7M-SSCB4</td>
<td>2,600</td>
<td>271</td>
<td>35</td>
<td>74</td>
<td>230 / 240 VAC</td>
<td>5000K (cool white)</td>
<td>Polycarbonate</td>
<td>Medium</td>
</tr>
</tbody>
</table>

Shower Safe Models

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Fixture Lumens</th>
<th>Emergency Mode Lumens</th>
<th>Wattage</th>
<th>lm/W</th>
<th>Voltage</th>
<th>Colour Temperature (CCT)</th>
<th>Lens</th>
<th>Beam Distribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELXMBSS42</td>
<td>37 (\pm ) 44mm range 316 Marine Grade Stainless steel pole clamp</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELXMBSS47</td>
<td>44 (\pm ) 50mm range 316 Marine Grade Stainless steel pole clamp</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELXMBSS54</td>
<td>50 (\pm ) 68mm range 316 Marine Grade Stainless steel pole clamp</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELXMBSS59</td>
<td>58 (\pm ) 68mm range 316 Marine Grade Stainless steel pole clamp</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Mounting Options

- Wall Mount Bracket 30°
- Wall Mount Bracket 45°
- Wall Mount Bracket 60°
- Wall Mount Bracket 90°
- Pole Clamp
- Ceiling Mount
- Eyelet

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

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SafeSite® LED Area Light

Technical Specifications

<table>
<thead>
<tr>
<th>Mechanical Information</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fixture weight:</strong> 9.1 kg (20 lbs)</td>
<td><strong>Voltage:</strong> 100-277 VAC</td>
</tr>
<tr>
<td><strong>Shipping weight:</strong> 10.0 kg (22 lbs)</td>
<td><strong>Housing:</strong> Copper-free aluminium</td>
</tr>
<tr>
<td><strong>Mounting:</strong> 316 Stainless steel mounting bracket</td>
<td><strong>Operating temp:</strong> -40°C to +65°C</td>
</tr>
<tr>
<td><strong>Secondary retention standard</strong></td>
<td><strong>Finish:</strong> Superior dual coat finish - Sealed polyester topcoat</td>
</tr>
<tr>
<td><strong>Cable Entries:</strong> M20 x 2</td>
<td><strong>Power factor:</strong> &gt;0.9</td>
</tr>
<tr>
<td><strong>Terminals:</strong> 4mm² x 5</td>
<td><strong>THD:</strong> &lt;20%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Comparison</strong></th>
<th><strong>Surge protection:</strong> 1kV line-to-line, 2kV line-to-ground</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dialight LED Area Light</strong></td>
<td><strong>CRI:</strong> 75</td>
</tr>
<tr>
<td><strong>Warranty</strong></td>
<td><strong>CCT:</strong> 5000K (cool white), 4000K (neutral white)</td>
</tr>
<tr>
<td>5yr</td>
<td></td>
</tr>
<tr>
<td><strong>L70</strong></td>
<td></td>
</tr>
<tr>
<td>&gt;150,000 hours @ 25°C ambient</td>
<td></td>
</tr>
<tr>
<td><strong>T-Rating</strong></td>
<td></td>
</tr>
<tr>
<td>T5</td>
<td></td>
</tr>
<tr>
<td><strong>Metal Halide</strong></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td></td>
</tr>
<tr>
<td><strong>15,000</strong></td>
<td></td>
</tr>
<tr>
<td><strong>T3</strong></td>
<td></td>
</tr>
<tr>
<td><strong>High Pressure Sodium</strong></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td></td>
</tr>
<tr>
<td><strong>20,000</strong></td>
<td></td>
</tr>
<tr>
<td><strong>T2</strong></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Lumens</strong></th>
<th><strong>Wattage</strong></th>
<th><strong>lm/W</strong></th>
<th><strong>Mounting Heights</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>6,000</td>
<td>58</td>
<td>103</td>
<td>6m</td>
</tr>
<tr>
<td>5,600</td>
<td>47</td>
<td>97</td>
<td>3m</td>
</tr>
</tbody>
</table>

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**SafeSite® LED Area Light**

**Ordering Information**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Lumen</th>
<th>Wattage</th>
<th>lm/W</th>
<th>Voltage</th>
<th>Colour Temperature (CCT)</th>
<th>Lens</th>
<th>Beam Distribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>HZJA9C2N</td>
<td>6,000</td>
<td>58</td>
<td>103</td>
<td>100-277 VAC</td>
<td>5000K (cool white)</td>
<td>Tempered glass</td>
<td>360°</td>
</tr>
<tr>
<td>HZJA8C2N</td>
<td>5,600</td>
<td>58</td>
<td>97</td>
<td>100-277 VAC</td>
<td>5000K (cool white)</td>
<td>Tempered glass</td>
<td>180°</td>
</tr>
</tbody>
</table>

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

Leaded options available, please consult local Dialight sales office for availability.

---

**Beam Distribution**

![Beam Distribution Diagram](image-url)

180°

360°
SafeSite® LED Bulkhead

Technical Specifications

emplate

Mechanical Information

<table>
<thead>
<tr>
<th>Fixture weight:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard Models</td>
</tr>
<tr>
<td>22W: 4.8 kg (10.5 lbs)</td>
</tr>
<tr>
<td>34W: 5.2 kg (11.5 lbs)</td>
</tr>
<tr>
<td>Emergency Models</td>
</tr>
<tr>
<td>24W: 6.1 kg (13.5 lbs)</td>
</tr>
<tr>
<td>36W: 6.6 kg (14.5 lbs)</td>
</tr>
</tbody>
</table>

Mounting: Supplied without brackets Secondary retention not available

Cable Entry: M20 x 3

Terminals: 4mm² x 3

Specifications

Voltage options:

<table>
<thead>
<tr>
<th>Standard Models</th>
</tr>
</thead>
<tbody>
<tr>
<td>34W: 100-277 VAC</td>
</tr>
</tbody>
</table>

Housing: Superior dual coat finish - Sealed polyester topcoat - Chemical-resistant epoxy prime

Power factor: >0.9

THD: <20%

Lens: High impact resistant clear glass

CRI: 70

CCT: 5650K (cool white) 4300K (neutral white)

Operating temp:

<table>
<thead>
<tr>
<th>Standard Models</th>
</tr>
</thead>
<tbody>
<tr>
<td>34W: -40°C to +50°C</td>
</tr>
</tbody>
</table>

Battery

26W: 3.6V 10Ah NiMH

36W: -20°C to +40°C

Expected Battery Life: 4 years

Battery Duration: @ 25°C ambient - est. >3 hours

Surge protection: EN 61000-4-5 1 kV line to line, 2 kV line to ground

Comparison

<table>
<thead>
<tr>
<th></th>
<th>Warranty</th>
<th>L70</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dialight LED Bulkhead</td>
<td>5yr</td>
<td>&gt;100,000</td>
</tr>
<tr>
<td>Metal Halide</td>
<td>1</td>
<td>15,000</td>
</tr>
<tr>
<td>High Pressure Sodium</td>
<td>1</td>
<td>20,000</td>
</tr>
<tr>
<td>Fluorescent</td>
<td>1</td>
<td>24,000</td>
</tr>
</tbody>
</table>

Standards

Ratings and Certifications

- 5 year warranty
- ATEX/IECEx Zones 1, 21
- IP66/67
- IK09
- Emergency models available
- CE
- L70 >100,000 hours @ 25°C ambient

*All features not available on every model. Please refer to product part number pages for model specifics.

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## SafeSite® LED Bulkhead

### Dimensional Drawings

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Lumens</th>
<th>Wattage</th>
<th>lm/W</th>
<th>Voltage</th>
<th>Colour Temperature (CCT)</th>
<th>Lens</th>
<th>Beam Distribution</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Standard Model - 100 - 277 VAC</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WPA-4C3L-NLGCE</td>
<td>2,250</td>
<td>34</td>
<td>66</td>
<td>100 - 277 VAC</td>
<td>5650K (cool white)</td>
<td>Clear tempered glass</td>
<td>Oval (35° x 55°)</td>
</tr>
<tr>
<td><strong>Emergency Models - 207 - 264 VAC</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WEA-4C4L-NLGCE</td>
<td>2,250</td>
<td>36</td>
<td>63</td>
<td>207 - 264 VAC</td>
<td>5650K (cool white)</td>
<td>Clear tempered glass</td>
<td>Oval (35° x 55°)</td>
</tr>
</tbody>
</table>

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---

**WP-BRKT-SS-ADJ**
- Adjustable bracket
- Includes self-tapping screws

**WPX-001500-BATT**
- 10Ah 3.6V battery module
- Replacement battery kit
- Battery Backup models only

**WP-BRKT-SS-30**
- 30° angle mounting brackets
- Bracket to fixture hardware
- Includes (2) brackets in 304 Stainless steel and stainless mounting hardware

**WP-BRKT-F-KIT**
- Flush mounting brackets
- Bracket to fixture hardware
- Includes (2) brackets in 304 Stainless steel and stainless mounting hardware

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SafeSite® LED Bulkhead

Dimensional Drawings

Dimensions - Standard

Beam Distribution

Oval (35° x 55°)

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**SafeSite® LED Bulkhead**

**Dimensional Drawings**

<table>
<thead>
<tr>
<th>Standard without Bracket</th>
<th>30° Angle Bracket - WP-BRKT-SS-30</th>
<th>Flush Bracket WP-BRKT-F-KIT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>![Diagram of Standard without Bracket]</td>
<td>![Diagram of 30° Angle Bracket]</td>
</tr>
<tr>
<td><em>Holes are blank and blind</em></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Cable Entry - Supplied as Standard

![Diagram of Cable Entry]

2 Entries One Side, 1 Entry Opposite Side.

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SafeSite® LED Transportable Bulkhead

Technical Specifications

Ratings and Certifications

- 5yr warranty
- L70 >100,000 hours
- IP66
- ATEX Zones 1, 21
- ATEX Zones 2, 22
- IK08
- CE

*All features not available on every model. Please refer to product part number pages for model specifics.

### Mechanical Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Lumens</th>
<th>Wattage</th>
<th>lm/W</th>
<th>Voltage</th>
<th>Colour Temperature (CCT)</th>
<th>Lens</th>
<th>Beam Distribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>TWA-2C3L-SYWC</td>
<td>2,250</td>
<td>34</td>
<td>66</td>
<td>100-277 VAC</td>
<td>5000K (cool white)</td>
<td>Clear glass</td>
<td>Narrow</td>
</tr>
</tbody>
</table>

Dimension in mm (inches)

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

When ordering, please refer to www.dialight.com and the current data sheets to ensure proper and most up-to-date information.

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Hazardous Application | Transportable

StreetSense® LED ATEX/IECEEx Street Light

Technical Specifications

Ratings and Certifications
- 7 year warranty
- CE
- IECEx/ATEX Zone 2
- IK07

*All features not available on every model. Please refer to product part number pages for model specifics.

**Specifications**

| Voltage: | 100-277 VAC, 50/60 Hz |
| Housing: | Aluminium alloy A360 |
| Operating temp: | -40°C to +74°C ambient |
| Lens: | Polycarbonate |
| | Tempered glass |
| Power factor: | >0.9 |
| CRI: | 70 |
| THD: | <20% |
| CCT: | 5000K (cool white) |
| | 4300K (neutral white) |

**Surge protection:**
- Open circuit surge protection 6kV standard per ANSI/IEEE C62.41, 2.2002 cat C low or Open circuit surge protection 10kV standard per ANSI/IEEE C62.41, 2.2002 cat C high

**Lumens**

<table>
<thead>
<tr>
<th>Lumens</th>
<th>Wattage</th>
<th>lm/W</th>
<th>Mounting Heights</th>
</tr>
</thead>
<tbody>
<tr>
<td>20,250</td>
<td>252</td>
<td>80</td>
<td>17m</td>
</tr>
<tr>
<td>10,900</td>
<td>131</td>
<td>83</td>
<td>5m</td>
</tr>
<tr>
<td>5,500</td>
<td>65</td>
<td>85</td>
<td>5m</td>
</tr>
</tbody>
</table>

**Dimensions**

<table>
<thead>
<tr>
<th>Width</th>
<th>Depth</th>
<th>Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>880 [34.7]</td>
<td>190W, 262W</td>
<td>372 [14.7]</td>
</tr>
<tr>
<td>674 [26.5]</td>
<td>131W, 165W</td>
<td>122 [4.8]</td>
</tr>
<tr>
<td>467 [18.4]</td>
<td>65W, 83W</td>
<td></td>
</tr>
</tbody>
</table>

**Mechanical Information**

| Fixture weight: | 1 light engines: 7.3 kg (16 lbs) |
| | 2 light engines: 13.6 kg (30 lbs) |
| | 3 light engines: 17.7 kg (39 lbs) |
| Shipping weight: | 1 light engines: 9.5 kg (21 lbs) |
| | 2 light engines: 13.6 kg (30 lbs) |
| | 3 light engines: 17.7 kg (39 lbs) |
| Mounting: | Accommodates 31.75mm (42.16mm OD) - 50.8mm (60.32mm OD) pipe. Provision for adjustment of +/- 5° at 2.5° increments |
| | Secondary retention standard |
| Cable Entries: | M25 x 1 rear |
| Terminals: | 3.3mm² x 3 |

**Comparison**

<table>
<thead>
<tr>
<th>Warranty</th>
<th>L70</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dialight LED Street Light</td>
<td>7yr</td>
</tr>
<tr>
<td>Metal Halide</td>
<td>1</td>
</tr>
<tr>
<td>High Pressure Sodium</td>
<td>1</td>
</tr>
</tbody>
</table>

www.dialight.com
StreetSense® LED ATEX/IECEEx Street Light

Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Lumens</th>
<th>Wattage</th>
<th>lm/W</th>
<th>Voltage</th>
<th>Colour Temperature (CCT)</th>
<th>Lens</th>
<th>Light Engines</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLA3N4SG</td>
<td>20,250</td>
<td>252</td>
<td>80</td>
<td>100-277 VAC</td>
<td>4300K (neutral white)</td>
<td>Glass</td>
<td>3</td>
</tr>
<tr>
<td>SLA3C4SG</td>
<td>20,250</td>
<td>252</td>
<td>80</td>
<td>100-277 VAC</td>
<td>5000K (cool white)</td>
<td>Glass</td>
<td>3</td>
</tr>
<tr>
<td>SLA3N4HG</td>
<td>10,900</td>
<td>131</td>
<td>83</td>
<td>100-277 VAC</td>
<td>4300K (neutral white)</td>
<td>Glass</td>
<td>2</td>
</tr>
<tr>
<td>SLA3C4HG</td>
<td>10,900</td>
<td>131</td>
<td>83</td>
<td>100-277 VAC</td>
<td>5000K (cool white)</td>
<td>Glass</td>
<td>2</td>
</tr>
<tr>
<td>SLA3N4CG</td>
<td>5,500</td>
<td>65</td>
<td>85</td>
<td>100-277 VAC</td>
<td>4300K (neutral white)</td>
<td>Glass</td>
<td>1</td>
</tr>
<tr>
<td>SLA3C4CG</td>
<td>5,500</td>
<td>65</td>
<td>85</td>
<td>100-277 VAC</td>
<td>5000K (cool white)</td>
<td>Glass</td>
<td>1</td>
</tr>
</tbody>
</table>

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Obstruction Signals

Obstruction LED Lighting

ICAO

Red LED Systems: Medium Intensity ICAO Type B/Type C

Features & Benefits

- Integrated controller
- 5 year warranty
- Universal 120-240 VAC input
- Controller can be mounted at the base of the structure
- Wide temperature range: -40°C to +55°C
- Configurable flash rates (20, 30, or 40 flashes per min)
- Ability to operate lights in steady or flashing mode
- Optional infrared light fixtures
- Light weight design
- Low power consumption

- IP66 rated light fixtures
- Impact and vibration resistant
- Provision for padlock on the enclosure
- Dry contacts for alarm monitoring/status
- Photocell alarm
- Light alarms
- Operation mode (day/night)
- Largest Controller can control and monitor maximums of:
  - Twelve (12) Medium Intensity ICAO Type B/Type C
  - Twenty Four (24) Low Intensity ICAO Type B/Type E

Dual (Red/White) LED Systems: Medium Intensity ICAO Type A/Type B

Features & Benefits

- Infrared (IR) version available for improved visibility to Night Vision Goggles
- Optional Ethernet/Cellular based remote monitoring/control system available
- Ability to flash side markers
- Integrated controller with LCD back-lit display
- 5 year warranty
- Universal 120-240 VAC input or +/- 48 VDC input
- Controller can be mounted at the base of the structure
- Wide temperature range: -40°C to +55°C
- Light weight design
- Low power consumption

- IP66 rated light fixtures
- Impact and vibration resistant
- Provisions for padlock on the enclosure
- Dry contacts for alarm monitoring/status
- Photocell alarm
- White mode alarm
- Power fail
- Light alarms
- Red mode alarm
- Communication
- Operation mode (day/night)
- Sync alarm

White LED Systems: Medium Intensity ICAO Type A

Features & Benefits

- Integrated controller with LCD back-lit display
- Optional Ethernet/Cellular based remote monitoring/control system available
- 5 year warranty
- Universal 120-240 VAC input or 48 VDC input
- Controller can be mounted at the base of the structure
- Wide temperature range: -40°C to +55°C
- Light weight design
- Low power consumption
- IP66 rated light fixtures

- Impact and vibration resistant
- Provisions for padlock on the enclosure
- Dry contacts for alarm monitoring/status
- Photocell alarm
- White mode alarm
- Power fail
- Light alarms
- Communication
- Operation mode (day/night)
- Sync alarm

High Intensity LED Systems: ICAO Type A

Features & Benefits

- Integrated controller
- 5 year warranty
- Universal 208-277 VAC input
- Controller can be mounted at the base of the structure
- Wide temperature range: -40°C to +55°C
- Low power consumption
- IP66 rated light fixtures

- Dry contacts for alarm monitoring/status
- Photocell alarm
- White mode alarm
- Power fail
- Red mode alarm
- Communication
- Operation mode (day/night)
- Sync alarm

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Obstruction LED Lighting

ICAO

Vigilant LED Based ICAO Type A
High Intensity (White / Red) Strobe

Effective Intensity:
- White Day – 200,000 cd
- White Twilight- 20,000 cd
- White or Red Night- 2,000 cd

Wattage:
- White day - 160W
- White twilight - 30W
- White Night - 23W
- Red Night - 30W

Input Voltage: 208-277 VAC

Vigilant LED Based ICAO Type A/Type B
Medium Intensity (White/Red) Strobe - Infrared (IR) available

Effective Intensity:
- White Day- 20,000 cd
- White Night- 2,000 cd
- Red Night- 2,000 cd

Wattage:
- White Day- 36W (system = 75W)
- White Night- 4W (system = 10W)
- Red Night- 12W (system = 25W)

Input Voltage: 120-240 VAC or +/- 48 VDC

Vigilant LED Based ICAO Type B/Type C
Medium Intensity (Red) Beacon - Infrared (IR) available

Effective Intensity: 2,000 cd

Wattage:
- 3.3W (16.7% duty circle) - standard
- 7.0W (16.7% duty circle) - IR model
- 20 flashes per minute with 0.5 sec. on time

Input Voltage: 120-240 VAC or 24-48 VDC

Vigilant LED Based ICAO Type B/Type E
Low Intensity (Red) RTO Side Light - Infrared (IR) available

Effective Intensity: 32.5 cd

Wattage Range: 1.5-9.0W

Input Voltage: 12-48 VDC, 120-240 VAC, 277 VAC

Vigilant LED Based ICAO Type B/Type E
Low Intensity (Red) Side Light

Effective Intensity: 32.5 cd

Wattage Range: 13-24W

Input Voltage: 12-48 VDC, 120 VAC, 230 VAC

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