

# .....Dialight



## Dialight LED Lighting Catalogue - EMEA

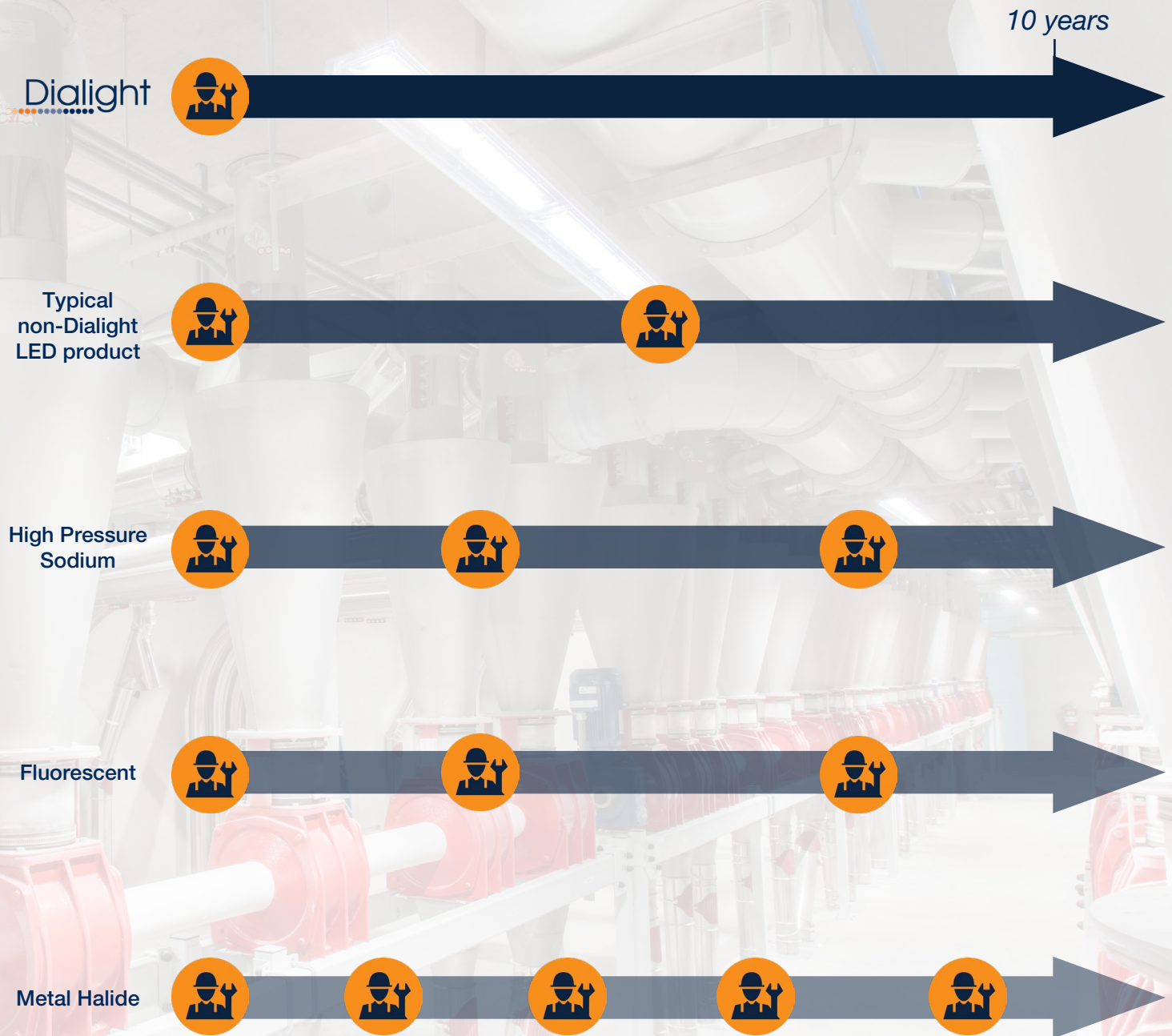
for Industrial and Hazardous Areas

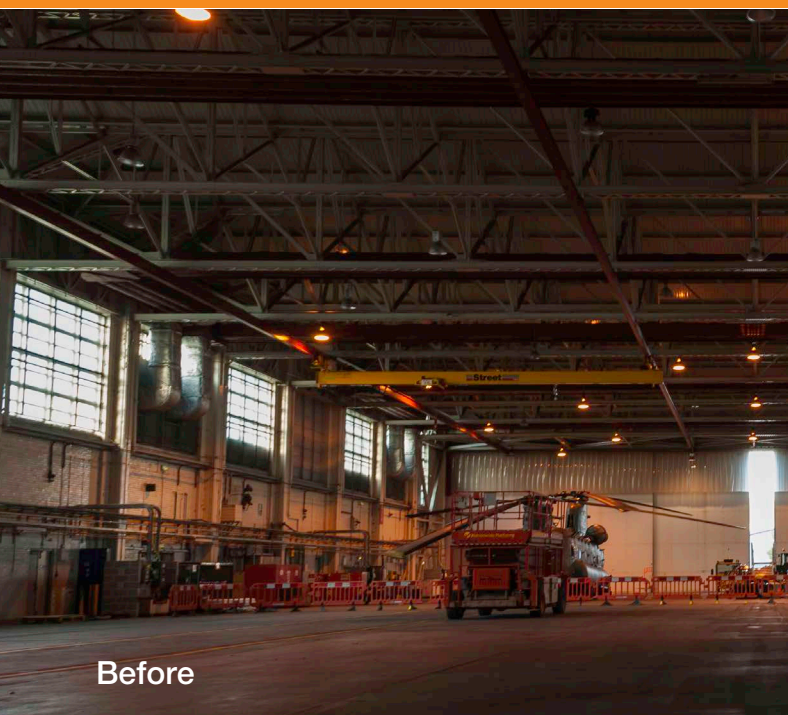


FEBRUARY 2021

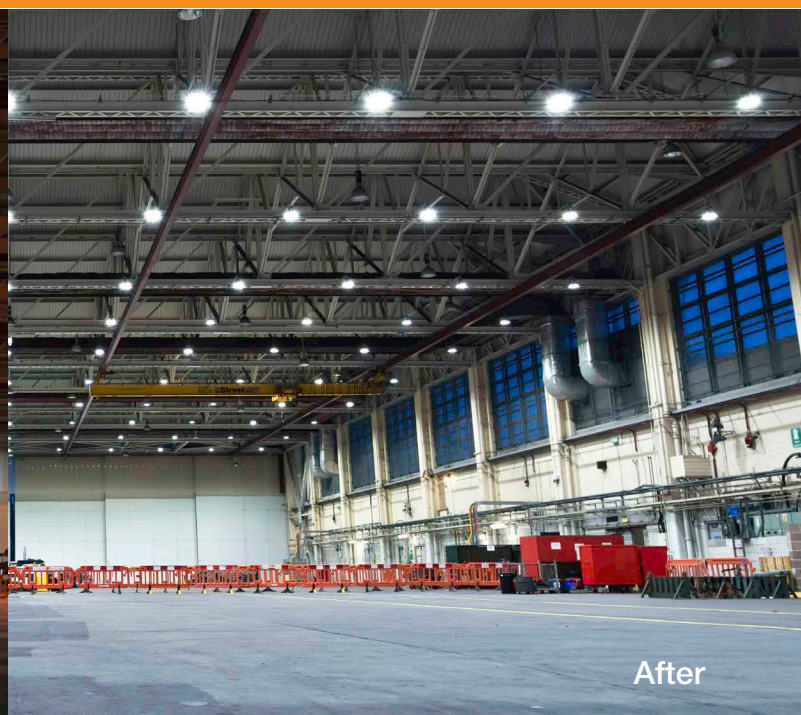


## Maintenance Comparison





Before



After

## About Diallight

With over 40 years of industrial LED lighting experience and the largest installed base in the world, Diallight'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.

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

## Protection Types

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

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

## 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.

Temperature Rating	
T1	450°C
T2	300°C
T3	200°C
T4	135°C
T5	100°C
T6	85°C

## 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

Group	Hazardous Material in Surrounding Atmosphere
Group IIA	Propane group
Group IIB	Ethylene group
Group IIC	Hydrogen group
Group IIIA	Combustible flyings
Group IIIB	Non-conductive dust
Group IIIC	Conductive dust



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## Reliant™ LED Lighting Fixtures for Industrial Applications



### LED High Bay

<b>Wattage Range:</b>	71-232W
<b>Lumen Output Range:</b>	10,600-33,800
<b>Lumens per Watt:</b>	Up to 149
<b>Input Voltage:</b>	100-277 VAC 50/60Hz
<b>Mounting:</b>	Overhead
<b>Mounting Height:</b>	Up to 12m



## Vigilant® LED Lighting Fixtures for Industrial Applications



### LED High Bay

<b>Wattage Range:</b>	80-186W
<b>Lumen Output Range:</b>	10,500-27,000
<b>Lumens per Watt:</b>	Up to 151
<b>Input Voltage:</b>	100-277 VAC, 120-250 VDC
<b>Mounting:</b>	Overhead, Ceiling, Suspended
<b>Mounting Height:</b>	Up to 12m



### LED High Output High Bay & Low Profile

<b>Wattage Range:</b>	300-485W
<b>Lumen Output Range:</b>	Up to 72,000
<b>Lumens per Watt:</b>	Up to 155
<b>Input Voltage:</b>	120-277 VAC
<b>Mounting:</b>	Suspended
<b>Mounting Height:</b>	Up to 30m

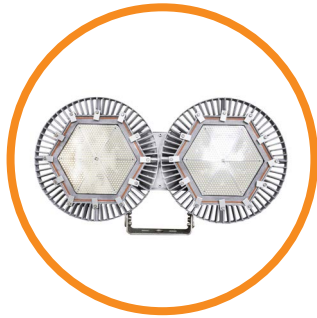


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# Vigilant® LED Lighting Fixtures

## for Industrial Applications



### LED Dual Floodlight

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



### LED Area Light

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



### LED Conveyor Light

<b>Wattage:</b>	64W
<b>Lumen Output:</b>	6,700
<b>Lumens per Watt:</b>	Up to 106
<b>Input Voltage:</b>	100-277VAC, 120-250 VDC
<b>Mounting:</b>	34mm pole mount
<b>Mounting Height:</b>	Up to 6m



### LED Bulkhead

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



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# DuroSite® LED Lighting Fixtures

## for Industrial Applications



### LED Floodlight

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



### LED Stainless Steel Linear & Emergency Battery Backup

<b>Wattage Range:</b>	34W-67W (Standard), 35W-70W (Emergency)
<b>Lumen Output Range:</b>	2,600-5,100
<b>Lumens per Watt:</b>	Up to 76
<b>Input Voltage:</b>	100-277 VAC (Standard), 230/240 VAC (Emergency)
<b>Mounting:</b>	Overhead, Wall, Pole
<b>Mounting Height:</b>	Up to 6m



### LED Bulkhead & LED Emergency Bulkhead

<b>Wattage Range:</b>	34W (Standard), 36W (Emergency)
<b>Lumen Output Range:</b>	2,250
<b>Lumens per Watt:</b>	Up to 66
<b>Input Voltage:</b>	100-277 VAC (Standard), 207-264 VAC (Emergency)
<b>Mounting:</b>	Wall, Ceiling, Stanchion, Adjustable
<b>Mounting Height:</b>	Up to 4m





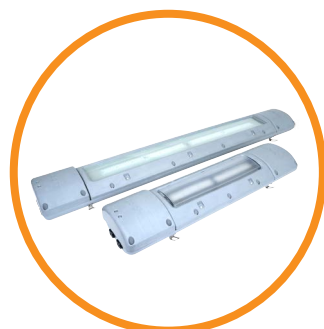
# SafeSite® LED Lighting Fixtures

## for Hazardous Area Applications



### LED High Bay

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



### LED GRP Linear

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



### LED Linear & LED Emergency Linear - Stainless Steel

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



### LED Area Light

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



### LED Bulkhead & LED Emergency Bulkhead

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



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## SafeSite® LED Transportable Range

### for Hazardous Area Applications



#### SafeSite LED Transportable Bulkhead



<b>Wattage Range:</b>	34W
<b>Lumen Output Range:</b>	2,250
<b>Lumens per Watt:</b>	Up to 66
<b>Input Voltage:</b>	100-277 VAC
<b>Zone:</b>	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



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



# 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 cycle)- standard  
7.0W (16.7% duty cycle)- 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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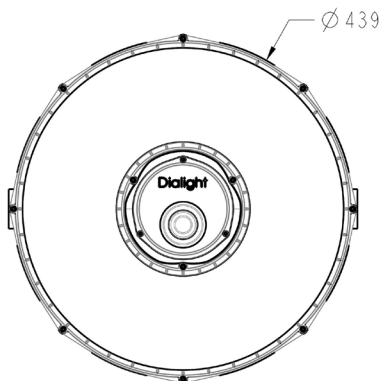
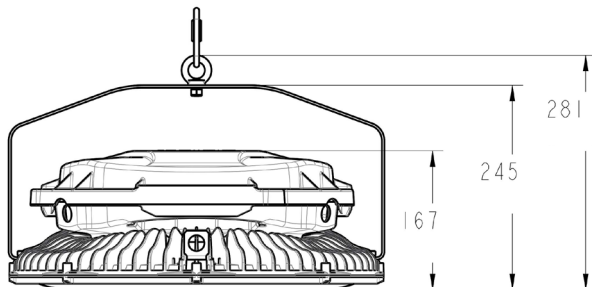
# Reliant™ LED High Bay

## 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



Dimensions in mm

### 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
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### 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 61547 IEC 61000-4-2 IEC 61000-4-3 IEC 61000-4-6 IEC 61000-4-8 IEC 61000-4-11
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Transient protection:	6kV/3kA combination wave, as per IEEE C62.41, line-line and line-ground IEC 61000-4-5 IEC 61000-4-4
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THD:	IEC 55015 <20% @ 100-277 VAC
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Harmonics:	IEC 61000-3-2, Class C
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Power factor:	>0.9 @ 100-277 VAC
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Flicker:	IEC 61000-3-3
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Dimming:	DALI 1.0 and 2.0 - 100-5% 0-10 VDC continuous dimming - 100-5% Wireless dimming via optional Dialight IntelliLED controls - 100-5%
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Cable entry:	(3) M20
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Terminals:	5 position, 0.5-4 mm <sup>2</sup>
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### Materials:

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

Light engine:	Santoprene
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Wiring box:	EPDM
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### Photometric Information:

CRI:	80
CCT:	5000K (cool white) 4000K (neutral white) options available consult factory

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.



# Reliant™ LED High Bay

## Ordering Information

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

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.

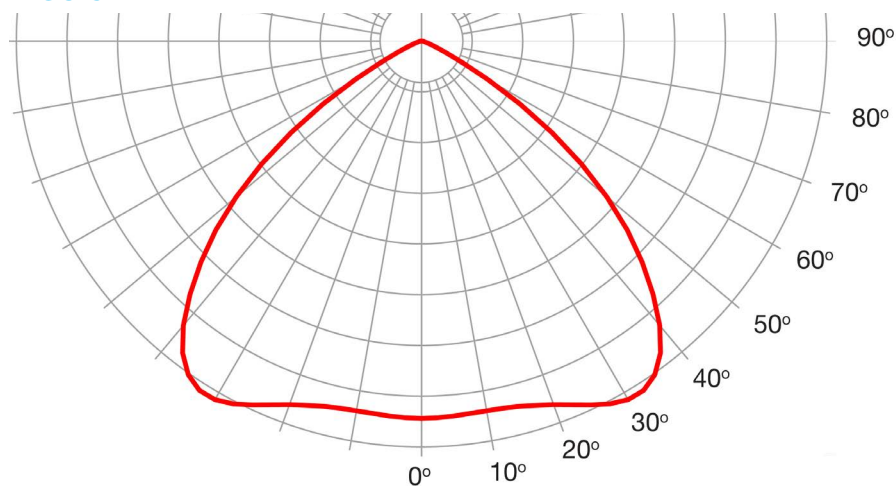
Accessory part numbers available on page 15

DALI models are also compatible with 0-10V dimming

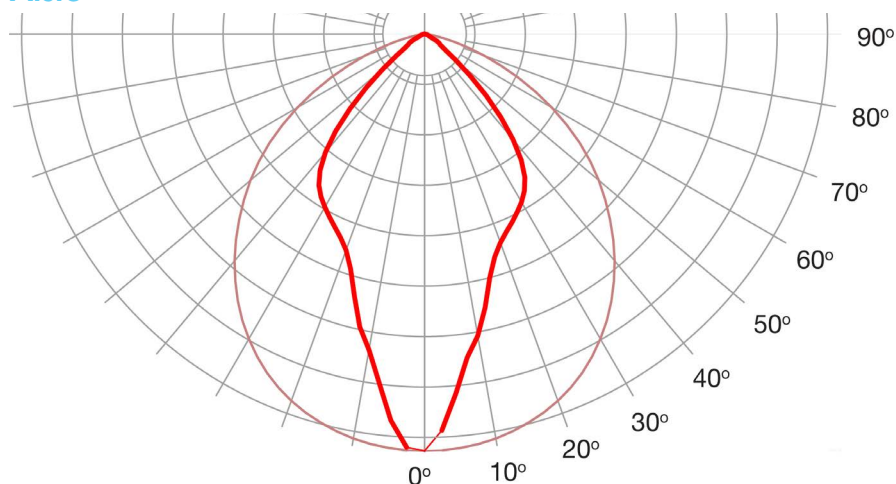
# Reliant™ LED High Bay

## Beam Distribution

Medium



Aisle



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# Reliant™ LED High Bay

## Technical Information



### HBXCAB48

- 1.2m long stainless steel safety rope (for use with included safety bracket)



### RR-CP-OCC-DALI

- CPEBDHSMBDD (side mounted) DALI enabled occupancy sensor



### RR-WS-OCC-212

- Wattstopper FSP 212 (centre mounted) occupancy sensor



### RR-CP-OCC-REM

- Remote for CP occupancy sensor



### RR-WIRELESS-1

- IntelliLED wireless control

Part Number	Description
HBXCAB48	1.2m long stainless steel safety rope (for use with 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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# Vigilant® LED High Bay

## Technical Specification



**Corded Model**

### Mechanical Information:

#### Fixture weight:

8.2 kg (18 lbs)

#### Shipping weight:

10.9 kg (24 lbs)

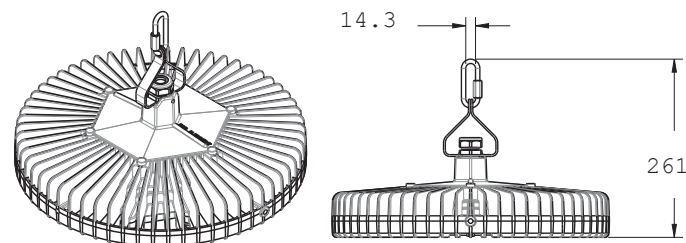
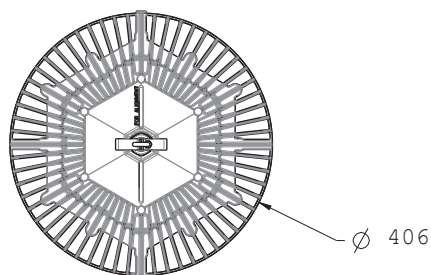
#### Mounting:

Stainless Steel Hook  
Secondary retention option available

#### Power Cord:

3 meters, H07RN-F Heavy Duty

Prefix: HEE



Dimensions in mm

### Certifications & Ratings:

EN 60598-1:2015	IP66 to EN 60529
EN 60598-2-1 (ed.1), IEC 60598-2-1 (ed.8)	IK10 to EN 50102 (Polycarbonate lens)
EN 60598-2-24:2013	IK06 to EN 50102 (Acrylic lens)
EN 62471:2008, EN 62778:2014	IK05 to EN 50102 (Glass lens)
EN 62493:2015	D-Marking to EN 60598 2-24 ENEC
IEC60068	L70 >150,000 hours @ 25°C ambient
Salt spray testing - severity 1	

### 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  
120-250 VDC

**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

**Lens:** See table

### Photometric Information:

**CRI:** 80

**CCT:** 5000K (cool white)  
4000K (neutral white)

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

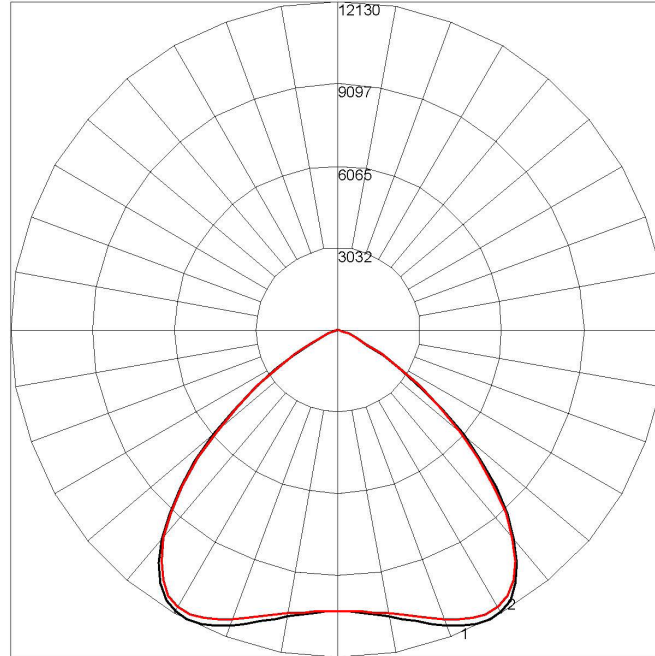
Comparison		
	Warranty	L70
Dialight LED High Bay	10yr	>150,000
Metal Halide	1	15,000
High Pressure Sodium	1	20,000

**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

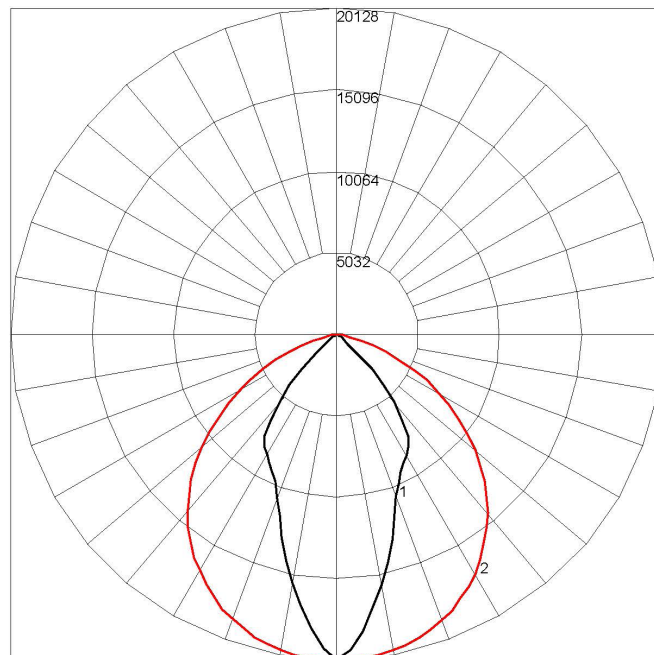
### Medium



Maximum Candela = 12129.5 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)

■ = 0°  
 ■ = 90°

### Oval



Maximum Candela = 20128.4 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)

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# Vigilant® LED High Bay

## Accessories



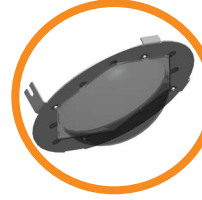
**HBXW3-SSL-316M**  
**HBXW3-SSL-304M**

- Stainless steel bracket



**HBXCAB48**

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

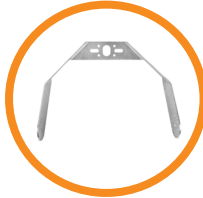


**HBXSBDK**

- Sand blast kit (dome lens)

**HBXSBDL**

- Sacrificial dome lens



**HBXW3-SSL-304FTM**

- 304 stainless steel forward throw bracket

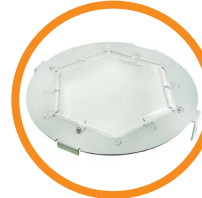
**HBXW3-SSL-316FTM**

- 316 stainless steel forward throw bracket



**HBXSB**

- 316 stainless steel safety retention tabs (x4)



**HBXSBDK**

- Sand blast kit (flat lens)

**HBXSBDL**

- Sacrificial flat lens



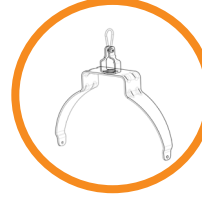
**HBXW3**

- Powder-coated aluminium swivel bracket



**HBXGS**

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



**HBXW3EUHOOK**

- Swivel bracket with hanging hook

# Vigilant® LED High Bay

## Ordering Information

Standard model with 3 Meter Cable & Hook Mount									
Part Number	Legacy Part Number	Lumens	Watts	lm/W	Voltage	CCT	CRI	Lens	Beam Distribution
HEE7MC2EDHWNGN	HEEGMC4PNHNG	26,250	186	141	100-277 VAC, 120-250 VDC	5000K	80	Clear Glass	Medium
HEE4MC2EDHWNGN	HEE2MC4PNHNG	25,250	186	136	100-277 VAC, 120-250 VDC	5000K	80	Clear Polycarbonate	Medium
HEELMC2EDHWNGN	HEELMC4PNHNG	24,500	186	132	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Medium
HEE7EC2EDHWNGN	HEEGEC4PNHNG	26,250	186	141	100-277 VAC, 120-250 VDC	5000K	80	Clear Glass	Oval
HEE4EC2EDHWNGN	HEE2EC4PNHNG	25,250	186	136	100-277 VAC, 120-250 VDC	5000K	80	Clear Polycarbonate	Oval
HEEEEC2EDHWNGN	HEEEEC4PNHNG	24,500	186	132	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Oval
HEE7MC2CDHWNGN	HEEGMC4KNHNG	19,500	129	151	100-277 VAC, 120-250 VDC	5000K	80	Clear Glass	Medium
HEE4MC2CDHWNGN	HEE2MC4KNHNG	18,750	129	145	100-277 VAC, 120-250 VDC	5000K	80	Clear Polycarbonate	Medium
HEELMC2CDHWNGN	HEELMC4KNHNG	18,000	129	140	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Medium
HEE7EC2CDHWNGN	HEEGEC4KNHNG	19,500	129	151	100-277 VAC, 120-250 VDC	5000K	80	Clear Glass	Oval
HEE4EC2CDHWNGN	HEE2EC4KNHNG	18,750	129	145	100-277 VAC, 120-250 VDC	5000K	80	Clear Polycarbonate	Oval
HEEEEC2CDHWNGN	HEEEEC4KNHNG	18,000	129	140	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Oval
HEE7MC2BDHWNGN	HEEGMC4GNHNG	14,250	102	140	100-277 VAC, 120-250 VDC	5000K	80	Clear Glass	Medium
HEE4MC2BDHWNGN	HEE2MC4GNHNG	13,750	102	135	100-277 VAC, 120-250 VDC	5000K	80	Clear Polycarbonate	Medium
HEELMC2BDHWNGN	HEELMC4GNHNG	13,250	102	130	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Medium
HEE7EC2BDHWNGN	HEEGEC4GNHNG	14,250	102	140	100-277 VAC, 120-250 VDC	5000K	80	Clear Glass	Oval
HEE4EC2BDHWNGN	HEE2EC4GNHNG	13,750	102	135	100-277 VAC, 120-250 VDC	5000K	80	Clear Polycarbonate	Oval
HEEEEC2BDHWNGN	HEEEEC4GNHNG	13,250	102	130	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Oval
HEE7MC2ADHWNGN	HEEGMC4DNHNG	11,250	80	141	100-277 VAC, 120-250 VDC	5000K	80	Clear Glass	Medium
HEE4MC2ADHWNGN	HEE2MC4DNHNG	10,750	80	134	100-277 VAC, 120-250 VDC	5000K	80	Clear Polycarbonate	Medium
HEELMC2ADHWNGN	HEELMC4DNHNG	10,250	80	128	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Medium
HEE7EC2ADHWNGN	HEEGEC4DNHNG	11,250	80	141	100-277 VAC, 120-250 VDC	5000K	80	Clear Glass	Oval
HEE4EC2ADHWNGN	HEE2EC4DNHNG	10,750	80	134	100-277 VAC, 120-250 VDC	5000K	80	Clear Polycarbonate	Oval
HEEEEC2ADHWNGN	HEEEEC4DNHNG	10,250	80	128	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Oval

### 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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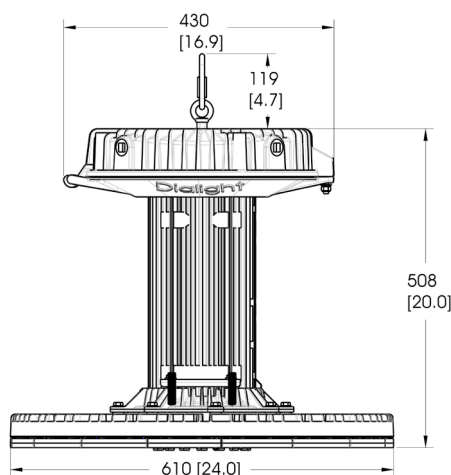
# Vigilant® LED High Output High Bay

## Standard Models



### Certifications & Ratings

- CE
  - EN 55015:2013
  - EN 60598:2008
  - EN 61547:2009
  - EN 62471:2008
- ENEC
  - RCM
  - IK06 to EN50102
  - IP66/67
  - 10 year warranty
  - L70 >150,000 hours @ 25°C ambient



Dimensions in mm [inches]

### Mechanical Information:

<b>120-277 VAC model</b>	
<b>complete fixture weight:</b>	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]
<b>Shipping weight:</b>	37.5 kg (82.6 lbs)
<b>415 VAC model</b>	
<b>complete fixture weight:</b>	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]
<b>Shipping weight:</b>	44.7 kg (98.6 lbs)

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

<b>Box dimensions (cm):</b>	Length - 64, Width - 56.5, Height - 72.7
<b>Mounting:</b>	Hook mount Secondary retention standard
<b>Cable entry:</b>	(4) M25 - sides
<b>Terminals:</b>	5 position, 0.5-4 mm <sup>2</sup>

### Materials:

<b>Housing:</b>	Die cast aluminium alloy A360
<b>Hardware:</b>	18-8 stainless steel
<b>Hook:</b>	304 stainless steel
<b>Safety shackle:</b>	304 stainless steel
<b>Safety rope:</b>	Optional 316 stainless steel safety rope, 304 stainless steel crimp

### Gaskets:

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

### Electrical Specifications:

<b>Operating voltage:</b>	120-277 VAC, 50/60 Hz 415 VAC
<b>Operating temperature:</b>	-40°C to +65°C (-40°F to +149°F)
<b>Total system power consumption:</b>	See table
<b>EMC:</b>	EN 62493: 2015, EN 61547: 2009, EN 61000-3-2: 2015, EN 61000-3-3: 2013
<b>Transient protection:</b>	6kV/3kA combination wave, as per IEEE C62.41, line-line and line-ground
<b>THD:</b>	EN55015:2013 < 20%
<b>Harmonics:</b>	IEC 61000-3-2, Class C
<b>Power factor:</b>	> 0.9

### Variable Dimming:

<b>Variable dimming control:</b>	0-10 VDC
<b>Dimming range:</b>	10 VDC = 100% light output 0 VDC = 5% light output

### Photometric Information:

<b>CRI:</b>	80
<b>CCT:</b>	5000K (cool white) 4000K (neutral white)

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

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# Vigilant® LED High Output High Bay

## Ordering Information



Part Number	Fixture Lumen	Watt	lm/W	IP Rating	Voltage	CCT	Lens	Beam Distribution
CE Standard Models - 120-277 VAC Models								
H6E-7MC2-RDHN-NGN	72,000	484	149	IP66/67	120-277 VAC	5000K (cool white)	Tempered glass	Medium
H6E-7NC2-RDHN-NGN	72,000	484	149	IP66/67	120-277 VAC	5000K (cool white)	Tempered glass	Narrow
H6E-7MC2-NDHN-NGN	60,000	414	145	IP66/67	120-277 VAC	5000K (cool white)	Tempered glass	Medium
H6E-7NC2-NDHN-NGN	60,000	414	145	IP66/67	120-277 VAC	5000K (cool white)	Tempered glass	Narrow
H6E-7MC2-KDHN-NGN	45,000	309	146	IP66/67	120-277 VAC	5000K (cool white)	Tempered glass	Medium
H6E-7NC2-KDHN-NGN	45,000	309	146	IP66/67	120-277 VAC	5000K (cool white)	Tempered glass	Narrow

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**.

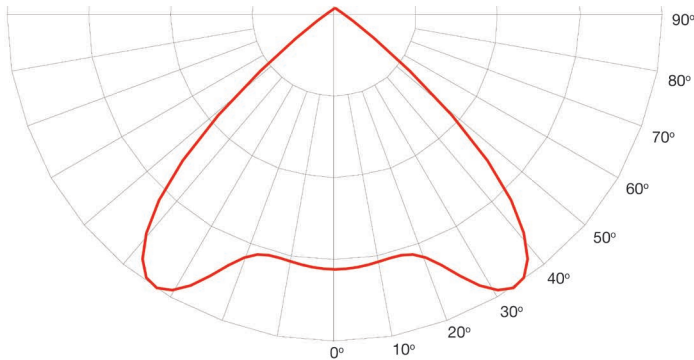
Example: H6E-7MC2-RDHN-NGN becomes H6E-7MN2-RDHN-NGN.

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

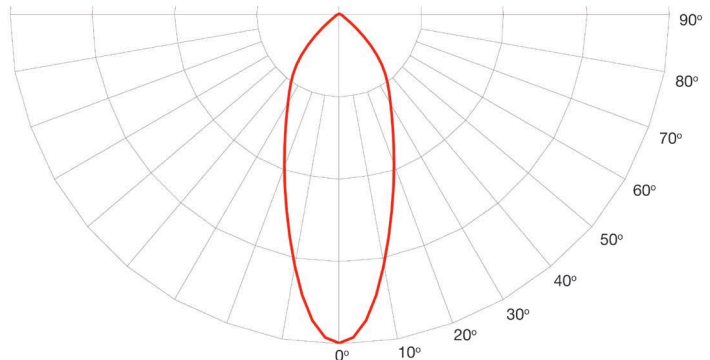
415 VAC options available, please consult local Dialight sales office for availability.

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

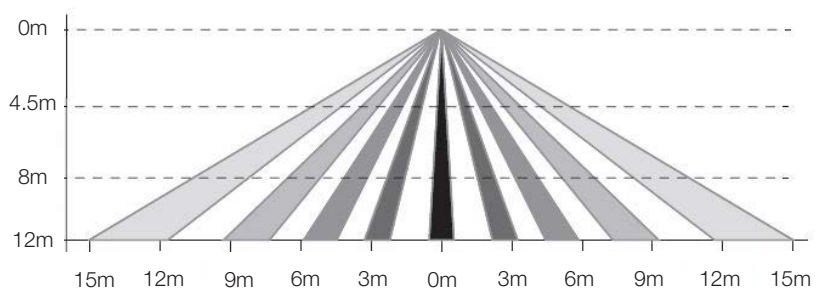
### Medium



### Narrow



### Coverage Side View



### 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.



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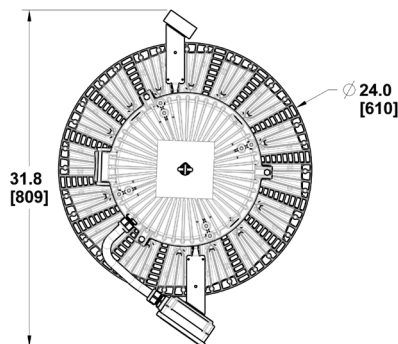
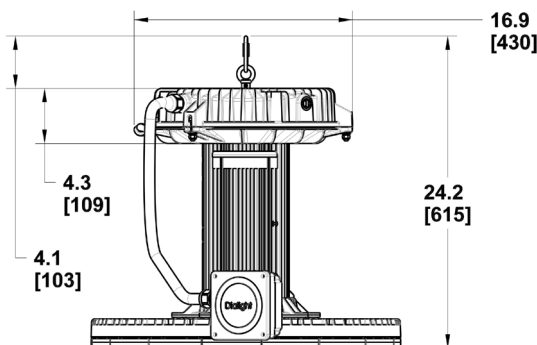
# Vigilant® LED High Output High Bay - DALI

## Technical Specification



### Certifications & Ratings (High Output High Bay)

- CE  
EN 55015:2013  
EN 60598:2008  
EN 61547:2009  
EN 62471:2008
- ENEC
- RCM  
IK06 to EN50102  
IP66/67  
10 year warranty  
L70 >150,000 hours @ 25°C ambient



Dimensions in mm [inches]

### 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 mm<sup>2</sup>

### 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:** CE, ENEC

### 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:** EN 62493: 2015, EN 61547: 2009,  
EN 61000-3-2: 2015,  
EN 61000-3-3: 2013

**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  
- Sealed polyester topcoat  
- Chemical-resistant epoxy primer

**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%)

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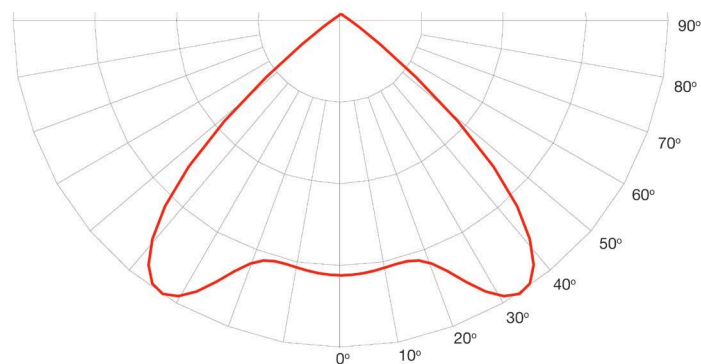
# Vigilant® LED High Output High Bay - DALI

## Ordering Information & Beam Distribution

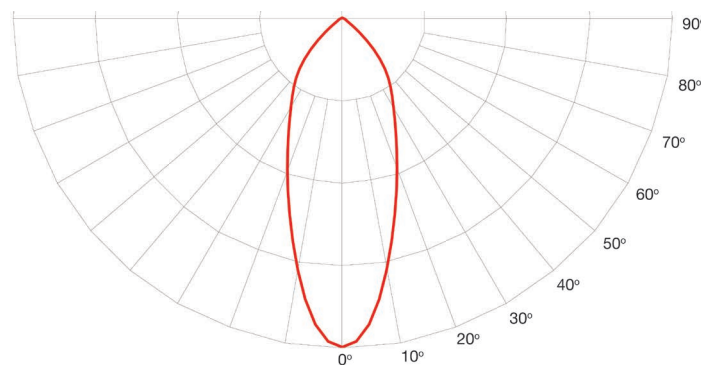
Part Number	Lumens	Wattage	lm/W	IP Rating	Voltage	Colour Temperature (CCT)	Lens	Beam Distribution
High Output High Bay - DALI								
H6E-7MC2-RAHN-NGN	72,000	484	149	IP66	120-277 VAC	5000K (cool white)	Glass	Medium
H6E-7NC2-RAHN-NGN	72,000	484	149	IP66	120-277 VAC	5000K (cool white)	Glass	Narrow
H6E-7MC2-NAHN-NGN	60,000	414	145	IP66	120-277 VAC	5000K (cool white)	Glass	Medium
H6E-7NC2-NAHN-NGN	60,000	414	145	IP66	120-277 VAC	5000K (cool white)	Glass	Narrow
H6E-7MC2-KAHN-NGN	45,000	309	146	IP66	120-277 VAC	5000K (cool white)	Glass	Medium
H6E-7NC2-KAHN-NGN	45,000	309	146	IP66	120-277 VAC	5000K (cool white)	Glass	Narrow

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

### Medium



### Narrow



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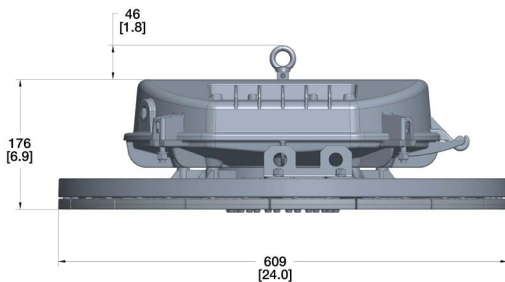
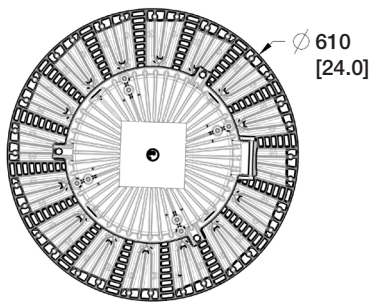
# Vigilant® LED High Output High Bay - Low Profile

## Technical Specification



### Certifications & Ratings

- 10 year warranty
- CE / RCM / ENEC
- IP66/67
- IK10 (polycarbonate) / IK06 (glass)
- L70 > 150,000 hours
- Factory installed secondary retention bracket, optional safety cable accessory available



Dimensions in mm [inches]

### Mechanical Information:

<b>Weight (120-277 VAC):</b>	21.8 kg (48 lbs)
<b>Weight (415 VAC):</b>	22.2 kg (49 lbs)
<b>Shipping weight:</b>	28.1 kg (62 lbs)
<b>Mounting:</b>	(1) Loop
<b>Wiring entries:</b>	(2) M25

### Materials:

<b>Housing:</b>	A360 Die-cast aluminium
<b>Finish:</b>	Superior dual coat finish - Sealed polyester topcoat - Chemical-resistant epoxy primer
<b>Lens options:</b>	Glass, Acrylic or Polycarbonate
<b>Hardware:</b>	316 Stainless Steel

### Electrical Specifications:

<b>Operating voltage:</b>	120-277 VAC, 50/60Hz 415 VAC, 50/60Hz
---------------------------	--

<b>Total system power consumption:</b>	See table
<b>Operating temperature:</b>	-40°C to +65°C
<b>Harmonics:</b>	IEC 61000-3-2 Class C
<b>Surge protection:</b>	Tested to IEC 61000-4-5 6kV/3kA, 1.2/50, 8/20us Combination wave Line-line and line-ground
<b>THD:</b>	< 20%
<b>Power factor:</b>	> 0.9

### Photometric Information:

<b>CRI:</b>	80
<b>CCT:</b>	5000K (cool white) 4000K (neutral white)

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

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# Vigilant® LED High Output High Bay - Low Profile

## Ordering Information & Mounting Accessories

Part Number	Fixture Lumen	Watt	lm/W	IP Rating	Voltage	CCT	Lens	Beam Distribution
H7E-7MC2-RDHN-NGN	70,500	485	145	IP66/67	120-277 VAC	5000K (cool white)	Glass	Medium
H7E-7NC2-RDHN-NGN	70,500	485	145	IP66/67	120-277 VAC	5000K (cool white)	Glass	Narrow
H7E-7MC2-NDHN-NGN	61,200	418	146	IP66/67	120-277 VAC	5000K (cool white)	Glass	Medium
H7E-7NC2-NDHN-NGN	61,200	418	146	IP66/67	120-277 VAC	5000K (cool white)	Glass	Narrow
H7E-7MC2-KDHN-NGN	46,000	300	153	IP66/67	120-277 VAC	5000K (cool white)	Glass	Medium
H7E-7NC2-KDHN-NGN	46,000	300	153	IP66/67	120-277 VAC	5000K (cool white)	Glass	Narrow

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

Neutral white color temperature (4000K) is available for products in the above table. Replace the sixth character **C** with **N**. Ex. H7E-7MC**C**2-RDHN-NGN becomes H7E-7MC**N**2-RDHN-NGN.

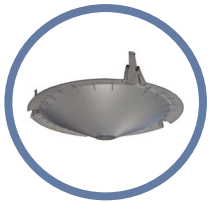


### H6XCAB72

- 72" stainless steel safety rope

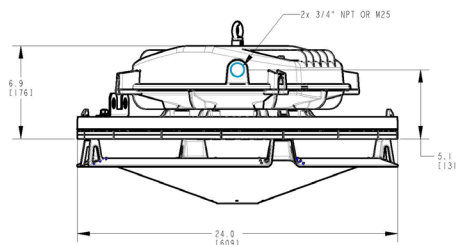
### H6XCAB60

- 60" stainless steel safety rope



### H6XDIFFUSER

- Diffuser
- Patent pending



Dimensions in inches [mm]

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# 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

<b>Fixture weight:</b>	25.4 kg (56 lbs)
<b>Shipping weight:</b>	27.2 kg (60 lbs)
<b>EPA (sq.m):</b>	0.25 sq. m (2.69 sq. ft)
<b>Mounting:</b>	304 stainless steel trunnion mounting bracket included Secondary retention standard
<b>Entries:</b>	M20 x 2
<b>Terminals:</b>	4mm <sup>2</sup> x 4

### Specifications

<b>Voltage:</b>	100-277 VAC, 50/60Hz 120-250 VDC	<b>Housing:</b>	Copper-free aluminium
<b>Operating temp:</b>	-40°C to +65°C	<b>Finish:</b>	Superior dual coat finish - Sealed polyester topcoat - Chemical-resistant epoxy primer
<b>Power factor:</b>	>0.9	<b>Lens:</b>	Tempered glass
<b>THD:</b>	<20%	<b>CRI:</b>	80
		<b>CCT:</b>	5000K (cool white)

### Comparison

	Warranty	L70
Dialight LED Floodlight	10yr	>150,000
Metal Halide	1	15,000
High Pressure Sodium	1	20,000

### Lumens

### Wattage

### lm/W

### Mounting Heights

56,000

385

145

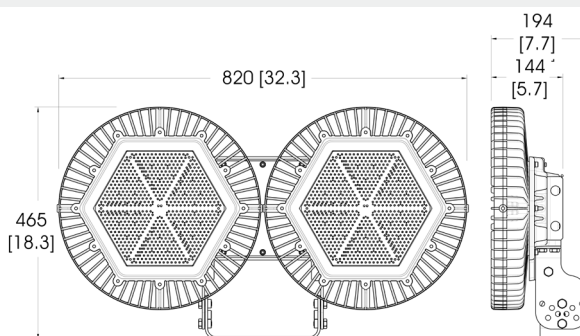
Up to 25m

54,000

385

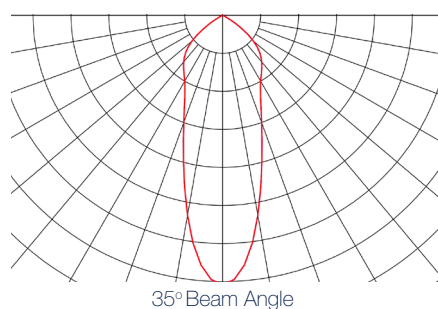
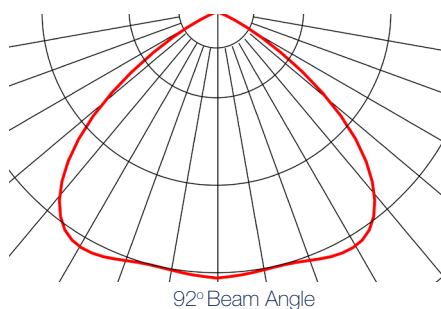
140

### Dimensions



Dimension in mm [inches]

### Beam Distribution



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# Vigilant® LED Dual Floodlight

## Ordering Information & Mounting Accessories

Part Number	Fixture Lumens	Wattage	lm/W	Voltage	Colour Temperature (CCT)	Lens	Beam Angle	Field Angle
FLEB66MC2NG	56,000	385	145	100-277 VAC, 120-250 VDC	5000K (cool white)	Tempered Glass	35°	108°
FLEBM0MC2NG	54,000	385	140	100-277 VAC, 120-250 VDC	5000K (cool white)	Tempered Glass	92°	120°

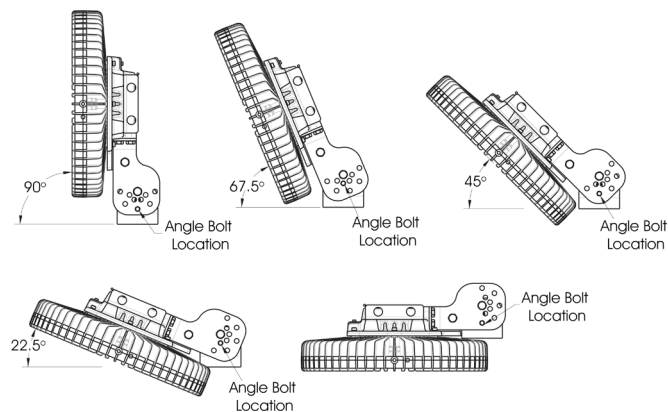
All values typical unless otherwise stated (tolerance +/- 10%).



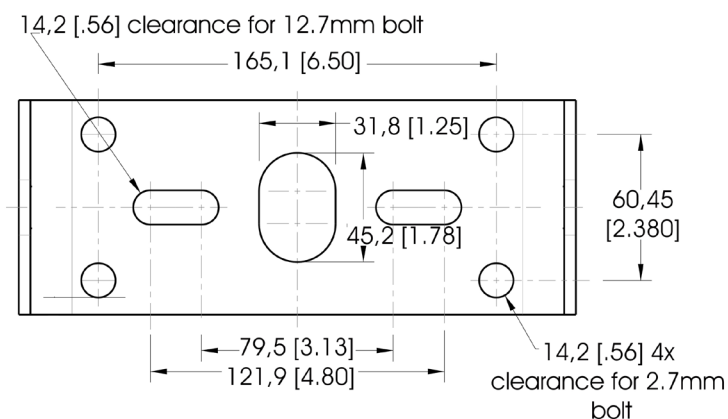
### HZXCB2

- Stainless steel safety cable kit

### Dual Floodlight Mounting Options



### Factory-Installed Mounting Bracket Dimensions



Dimension in mm [inches]

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# 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

<b>Fixture weight:</b>	5.2 kg (11.5 lbs)
<b>Shipping weight:</b>	6.1 kg (13.5 lbs)
<b>Mounting:</b>	316 Stainless steel mounting bracket Secondary retention standard
<b>Cable Entries:</b>	M20 x 2
<b>Terminals:</b>	4mm <sup>2</sup> x 5

### Specifications

<b>Voltage:</b>	100 - 277 VAC 50/60Hz, 120-250 VDC	<b>Housing:</b>	Copper-free aluminium
<b>Operating temp:</b>	-40°C to +65°C	<b>Finish:</b>	Superior dual coat finish - Sealed polyester topcoat
<b>Power factor:</b>	>0.9	<b>Lens:</b>	Polycarbonate
<b>THD:</b>	<20%		Tempered Glass
<b>Surge protection:</b>	6kV / 3kA combination wave, as per IEEE C62.41, line-line and line-ground	<b>CRI:</b>	80
		<b>CCT:</b>	5000K (cool white)

### Comparison

	Warranty	L70
Dialight LED Area Light	10yr	>300,000
Metal Halide	1	15,000
High Pressure Sodium	1	20,000

### Lumens

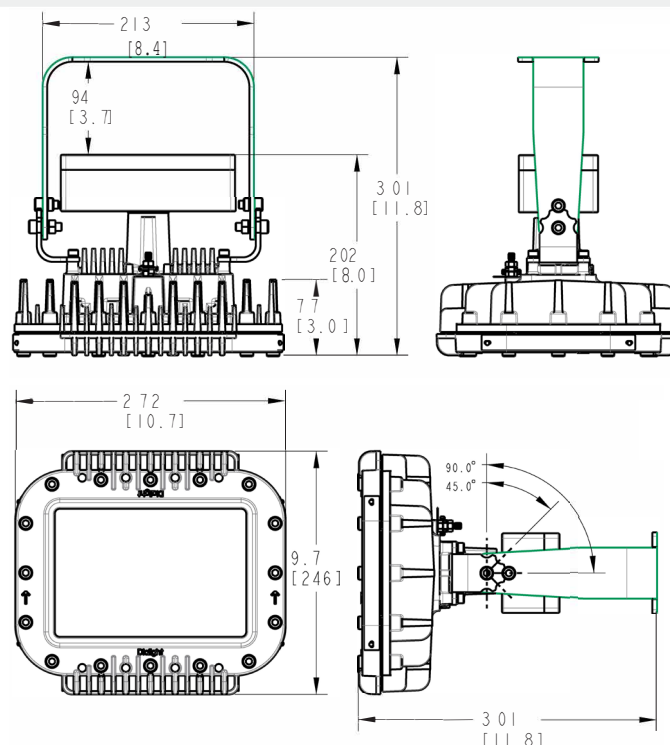
### Wattage

### lm/W

### Mounting Heights

9,000	66	136	10m
7,300	52	140	↓
5,700	40	143	3m

### Dimensions



Dimension in mm [inches]

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# Vigilant® LED Area Light

## Ordering Information

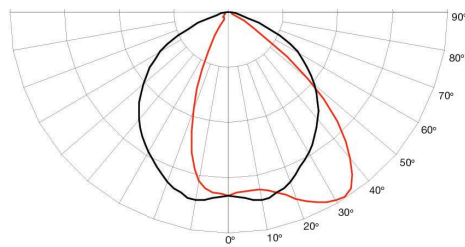
Part Number	Legacy Part Number	Lumens	Wattage	lm/W	Colour Temperature (CCT)	Lens	Beam Angle	Mounting Options	Hardware Accessories
CE with Junction Box									
ALE7AC26DBJUGN	STJW8C2GEU	5500	40	138	5000K (cool white)	Glass	180°	316 stainless steel adjustable bracket	Junction box
ALE7AC27DBJUGN	STJWEC2GEU	7100	52	137	5000K (cool white)	Glass	180°	316 stainless steel adjustable bracket	Junction box
ALE7AC29DBJUGN		8800	66	133	5000K (cool white)	Glass	180°	316 stainless steel adjustable bracket	Junction box
ALE7BC26DBJUGN	STJW9C2GEU	5700	40	143	5000K (cool white)	Glass	360°	316 stainless steel adjustable bracket	Junction box
ALE7BC27DBJUGN	STJWFC2GEU	7300	52	140	5000K (cool white)	Glass	360°	316 stainless steel adjustable bracket	Junction box
ALE7BC29DBJUGN		9000	66	136	5000K (cool white)	Glass	360°	316 stainless steel adjustable bracket	Junction box

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

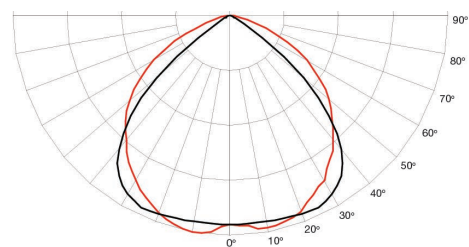
Neutral white option available, please consult local Dialight sales office for availability.

3m cable gland lead options available on made-to-order basis, please consult local Dialight sales office for availability.

### Beam Distribution

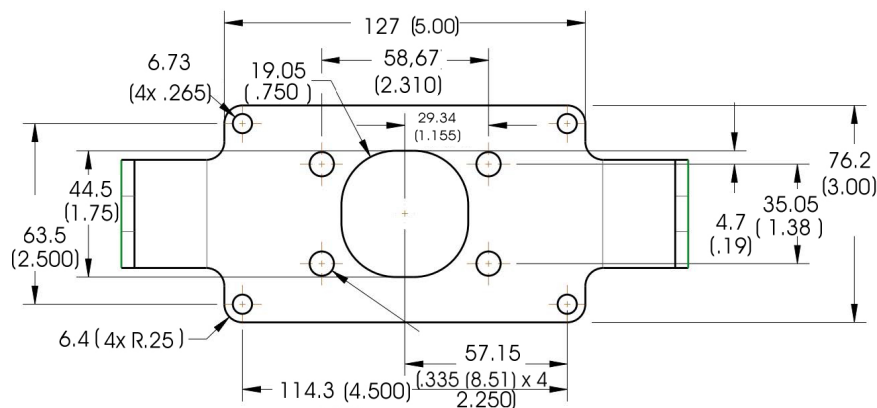


180° Beam Angle



360° Beam Angle

### Factory-Installed Mounting Bracket Dimensions



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.

### Mechanical Information

Fixture weight:	6.8 kg (15 lbs)
Shipping weight:	7.7 kg (17 lbs)
Mounting:	34mm slip-fit stanchion mount Secondary retention standard
Cable Entries:	M25 x 1 rear
Terminals:	4mm <sup>2</sup> x 5

### Specifications

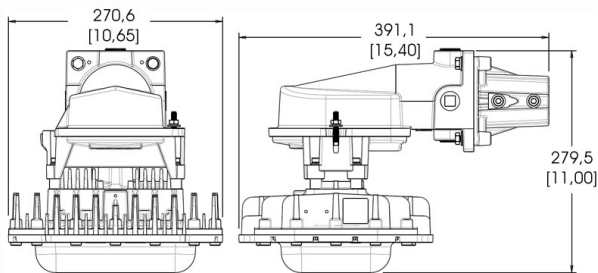
Voltage options:	100-277 VAC 50/60Hz, 120-250 VDC	Housing:	Copper-free aluminium
Operating temp:	-40°C to +65°C	Finish:	Superior dual coat finish - Sealed polyester topcoat - Chemical-resistant epoxy prime
Power factor:	>0.9	Lens:	Polycarbonate
THD:	<20%	CRI:	80
Surge protection:	6kV / 3kA combination wave, as per IEEE C62.41, line-line and line-ground	CCT:	5000K (cool white)

### Comparison

	Warranty	L70
Dialight LED Conveyor Light	10yr	>300,000
High Pressure Sodium	1	24,000
Metal Halide	1	15,000

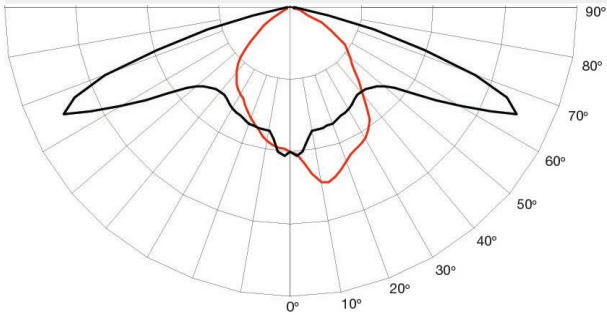
Lumens	Wattage	lm/W	Mounting Heights
6700	64	106	Up to 6m

### Dimensions



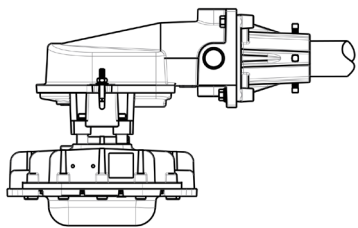
Dimension in mm [inches]

### Beam Distribution



Wide

### Mounting Options



34 mm Slip-Fit Stanchion Mount Junction Box

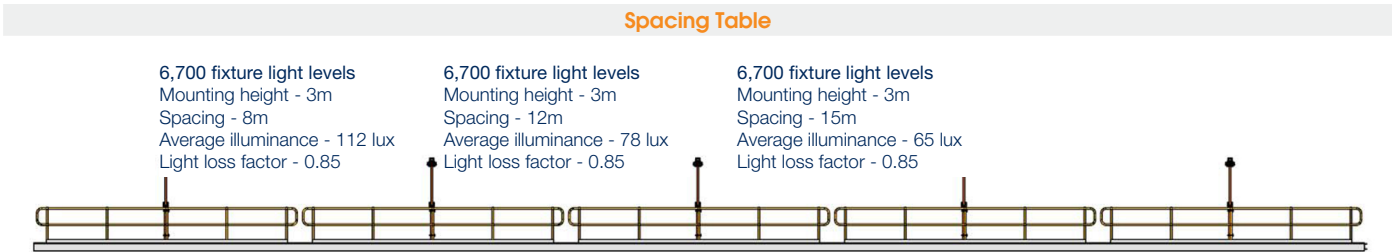
**WARNING - INSTALLATION & SECONDARY RETENTION.** Use of any Dialight products without proper installation (including secondary retention / netting) and periodic inspections could cause severe injury or death. Dialight recommends that all installations should use secondary retention / netting (appropriate 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

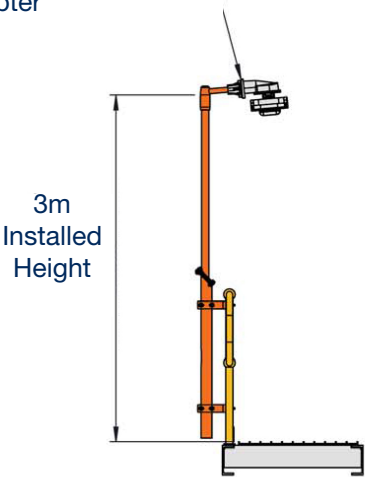
Part Number	Lens Material	Beam Distribution	CCT	CRI	Lumens	Wattage	lm/W	Mounting Options
ALE5WC27DYNUGN	Polycarbonate	Wide	5000K	80	6,700	64	106	34mm slip-fit adapter

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

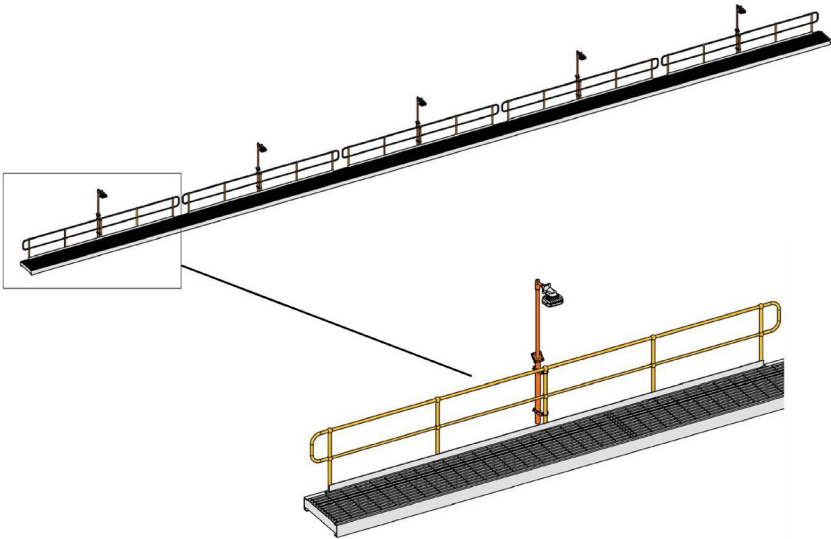


### Mounting Options

Dialight Luminaire  
Conveyor Light Wall  
Mount with Pole  
Adapter



### Conveyor Light Spacing





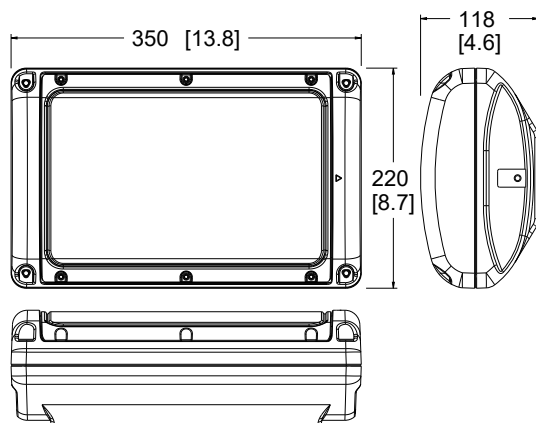
# Vigilant® LED Bulkhead

## Technical Specifications



### Certifications & Ratings

- 10 year warranty
- CE
- IP66/67
- IK10
- L70 > 150,00 hours @ 65°C (149°F) ambient



Dimensions in mm (inches)

### 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 +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)

**CRI:** > 80 (white light)

**CCT:** 5000K (cool white)  
4000K (neutral white)

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

\* @ 25°C ambient

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# Vigilant® LED Bulkhead

## Ordering Information

Part Number	Fixture Lumens	Wattage	lm/W	Voltage	CCT	Lens	Beam Distribution
Standard Models with Flush Bracket							
<b>BHE-4BC2-3NFN-VGN</b>	3,200	22	149	100-277 VAC / 120-250 VDC	5000K (cool white)	Clear Polycarbonate	Circular
<b>BHE-4BC2-6NFN-VGN</b>	6,700	45	149	100-277 VAC / 120-250 VDC	5000K (cool white)	Clear Polycarbonate	Circular
<b>BHE-4UC2-3NFN-VGN</b>	3,100	22	144	100-277 VAC / 120-250 VDC	5000K (cool white)	Clear Polycarbonate	Ultra-Wide (Type 1)
<b>BHE-4UC2-6NFN-VGN</b>	6,400	45	142	100-277 VAC / 120-250 VDC	5000K (cool white)	Clear Polycarbonate	Ultra-Wide (Type 1)
Battery Backup Models with Flush Bracket							
<b>BHE-4BCG-3NFN-VGG</b>	3,200	25	128	230/240 VAC	5000K (cool white)	Clear Polycarbonate	Circular
<b>BHE-4BCG-6NFN-VGG</b>	6,700	48	140	230/240 VAC	5000K (cool white)	Clear Polycarbonate	Circular
<b>BHE-4UCG-3NFN-VGG</b>	3,100	25	124	230/240 VAC	5000K (cool white)	Clear Polycarbonate	Ultra-Wide (Type 1)
<b>BHE-4UCG-6NFN-VGG</b>	6,400	48	133	230/240 VAC	5000K (cool white)	Clear Polycarbonate	Ultra-Wide (Type 1)

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.

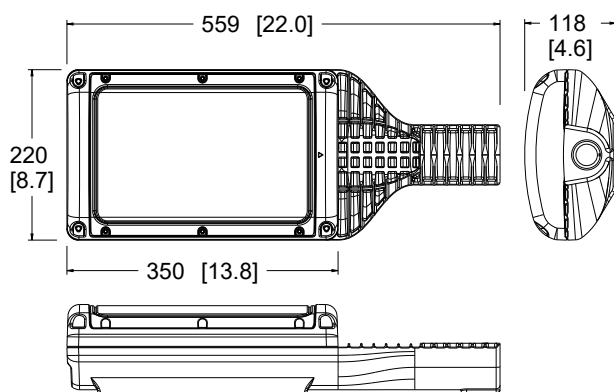
# Vigilant® LED Bulkhead - Pole Mount Model

## Technical Specifications



### Certifications & Ratings

- 10 year warranty
- CE
- IP66/67
- IK10
- L70 > 150,00 hours @ 65°C (149°F) ambient



Dimensions in mm (inches)

### 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)

**CRI:** > 80 (white light)

**CCT:** 5000K (cool white)  
4000K (neutral white)

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

\* @ 25°C ambient

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# Vigilant® LED Bulkhead - Pole Mount Model

## Ordering Information

Part Number	Fixture Lumens	Wattage	lm/W	Voltage	CCT	Lens	Beam Distribution
<b>Pole Mount Models</b>							
<b>BPE-4BC2-3NNN-VGN</b>	3,200	22	149	100-277 VAC / 120-250 VDC	5000K (cool white)	Clear Polycarbonate	Circular
<b>BPE-4BC2-6NNN-VGN</b>	6,700	45	149	100-277 VAC / 120-250 VDC	5000K (cool white)	Clear Polycarbonate	Circular
<b>BPE-4UC2-3NNN-VGN</b>	3,100	22	144	100-277 VAC / 120-250 VDC	5000K (cool white)	Clear Polycarbonate	Ultra-Wide (Type 1)
<b>BPE-4UC2-6NNN-VGN</b>	6,400	45	142	100-277 VAC / 120-250 VDC	5000K (cool white)	Clear Polycarbonate	Ultra-Wide (Type 1)
<b>Pole Mount Battery Backup Models</b>							
BPE-4BCG-3NNN-VGG	3,200	25	128	230/240 VAC	5000K (cool white)	Clear Polycarbonate	Circular
BPE-4BCG-6NNN-VGG	6,700	48	140	230/240 VAC	5000K (cool white)	Clear Polycarbonate	Circular
<b>BPE-4UCG-3NNN-VGG</b>	3,100	25	124	230/240 VAC	5000K (cool white)	Clear Polycarbonate	Ultra-Wide (Type 1)
<b>BPE-4UCG-6NNN-VGG</b>	6,400	48	133	230/240 VAC	5000K (cool white)	Clear Polycarbonate	Ultra-Wide (Type 1)

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



### 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.

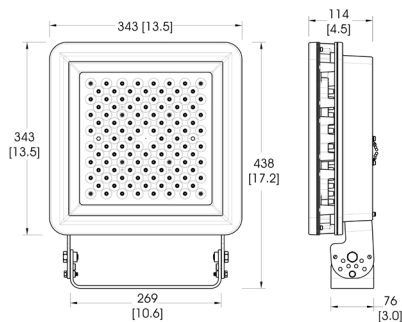
### Mechanical Information

<b>Fixture weight:</b>	
<b>14,500 - 15,000 lm:</b>	13.6 kg (30 lbs)
<b>11,000 - 11,500 lm:</b>	12.2 kg (27 lbs)
<b>Shipping weight:</b>	
<b>14,500 - 15,000 lm:</b>	15.4 kg (30 lbs)
<b>11,000 - 11,500 lm:</b>	14.1 kg (31 lbs)
<b>EPA (sq.m)</b>	0.15 sq. m (1.66 sq. ft)
<b>Mounting:</b>	304 Stainless steel trunnion mounting bracket included Secondary retention standard
<b>Cable Entry:</b>	M20 x 2
<b>Terminals:</b>	4mm <sup>2</sup> x 3

### Specifications

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

### Dimensions



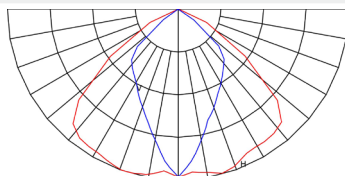
Dimension in mm [inches]

Lumens	Wattage	lm/W	Mounting Heights
15,000	135	111	15m
14,750	135	109	
14,500	140	104	
11,500	106	108	
11,250	106	106	
11,000	106	104	

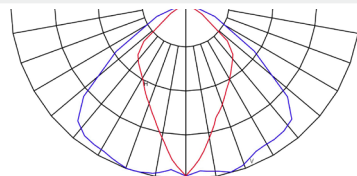
### Comparison

	Warranty	L70
Dialight LED Floodlight	10yr	>150,000
Metal Halide	1	15,000
High Pressure Sodium	1	20,000

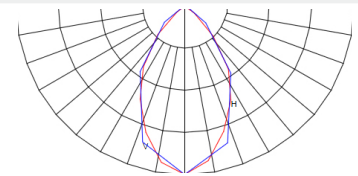
### Beam Distribution



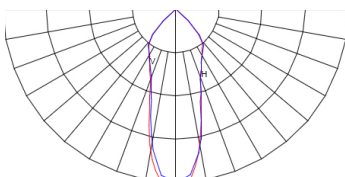
Field Angle = 140° x 115°



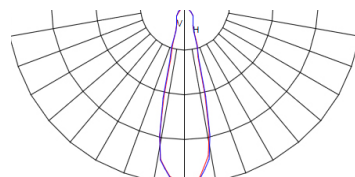
Field Angle = 115° x 140°



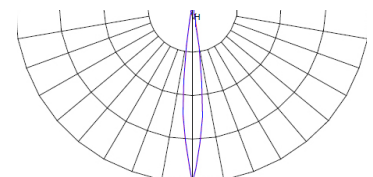
Field Angle = 115°



Field Angle = 93°



Field Angle = 52°



Field Angle = 23°

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# DuroSite® LED Floodlight

## Ordering Information & Mounting Accessories

Part Number	Lumens	Wattage	lm/W	Voltage	Colour Temperature (CCT)	Lens	Beam Angle	Field Angle
FLE466MC4NG	15,000	135	111	100-277 VAC	5000K (cool white)	Tempered glass	45°	115°
FLE476MC4NG	14,750	135	109	100-277 VAC	5000K (cool white)	Tempered glass	105° x 70°	140° x 115°
FLE467MC4NG	14,750	135	109	100-277 VAC	5000K (cool white)	Tempered glass	70° x 105°	115° x 140°
FLE455MC4NG	14,500	140	104	100-277 VAC	5000K (cool white)	Tempered glass	27°	93°
FLE444MC4NG	14,500	140	104	100-277 VAC	5000K (cool white)	Tempered glass	26°	52°
FLE276MC2NG	11,500	106	108	100-277 VAC	5000K (cool white)	Tempered glass	105° x 70°	140° x 115°
FLE266MC2NG	11,250	106	106	100-277 VAC	5000K (cool white)	Tempered glass	45°	115°
FLE255MC2NG	11,000	106	104	100-277 VAC	5000K (cool white)	Tempered glass	27°	93°

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

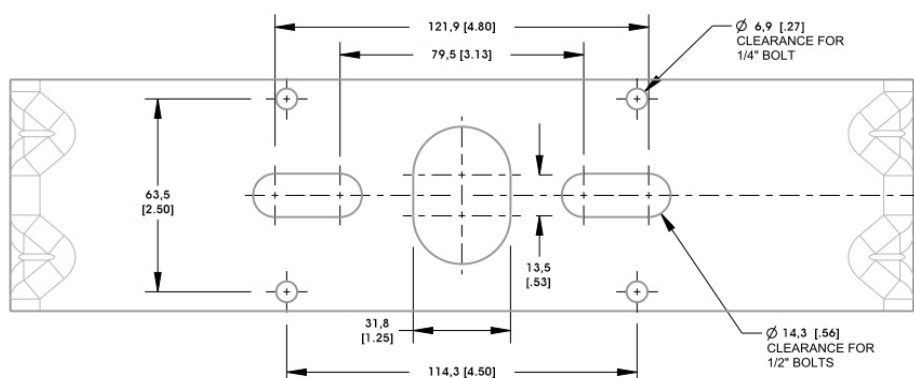
Polycarbonate lens available, please consult local Dialight sales office for availability.



### HZXSAFECBLS

- Stainless steel safety cable kit

### Factory-Installed Mounting Bracket Dimensions



Dimension in mm [inches]

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# 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

Fixture weight:	Standard: 1308mm - 11.3 kg (25 lbs) 708mm - 6.8 kg (15 lbs)
	Emergency: 1450mm - 14.1 kg (31 lbs) 850mm - 9.1 kg (20 lbs)
Shipping weight:	Standard: 1308mm - 14.1 kg (31 lbs) 708mm - 9.1 kg (20 lbs)
	Emergency: 1450mm - 17.2 kg (38 lbs) 850mm - 11.3 kg (25 lbs)
Mounting:	(2) M8 fixing points
	Secondary retention not available
Entry:	M25 x 2 cable entries at both ends, through wired as standard. M20 options - consult sales
Terminals:	4mm <sup>2</sup> x 7

### Specifications

Voltage options:	Standard: 100-277 VAC	Housing:	316 Marine grade stainless steel
	Emergency: 230, 240 VAC		High impact resistant diffused polycarbonate
Operating temp:	Standard: -20°C to +60°C	CRI:	70
	Emergency: -20°C to +60°C		5000K (cool white) 4000K (neutral white)
Power factor:	>0.9	Surge protection:	EN 61000-4-5 1kV line-to-line, 2kV line-to-ground

### Emergency Models

Battery:	3.6V 10Ah NiMH	Duration:	@ 25°C ambient - est. >3 hours
Expected battery life:	4 years		

### Comparison

	Warranty	L70
Dialight LED Linear	5yr	>150,000
Fluorescent	1	24,000

### Lumens

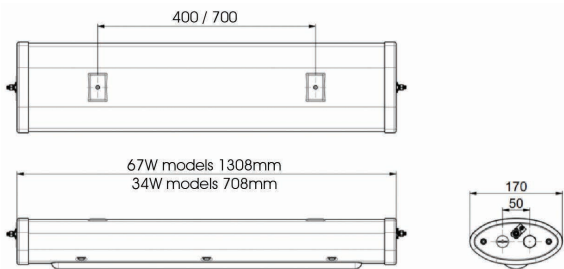
### Wattage

### lm/W

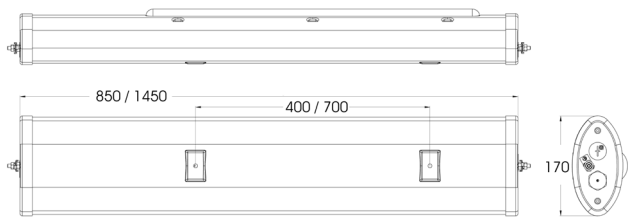
### Mounting Heights

5,100	67	76	6m
			↕
2,600	34	74	3m

### Standard Model Dimensions

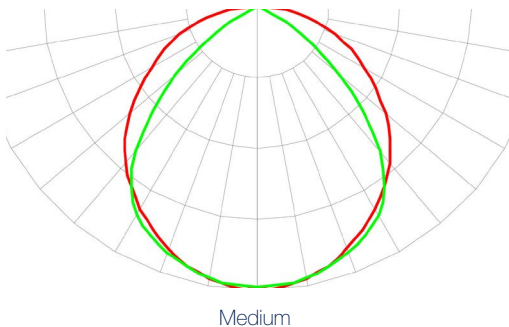


### Emergency Model Dimensions



Dimension in mm

### Beam Distribution



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# DuroSite® LED Stainless Steel Linear

## Ordering Information & Mounting Accessories

Part Number	Lumens	Wattage	lm/W	Voltage	Colour Temperature (CCT)	Lens	Beam Distribution
Standard Model - 100-277 VAC							
EL-1C6R-SSCB4	5,100	67	76	100-277 VAC	5000K (cool white)	Polycarbonate	Medium
EL-1C6M-SSCB4	2,600	34	76	100-277 VAC	5000K (cool white)	Polycarbonate	Medium
Emergency Model - 230-240 VAC							
ELE-2C7R-SSCB4	5,100	70	73	230-240 VAC	5000K (cool white)	Polycarbonate	Medium
ELE-2C7M-SSCB4	2,600	35	74	230-240 VAC	5000K (cool white)	Polycarbonate	Medium

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.



### ELXCMBSS

- 316 Marine Grade Stainless steel ceiling mount kit



### ELXPCSS42

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



### ELXWMBSS30

- 30° 316 Marine Grade Stainless steel wall mount kit



### ELXEYESS

- 316 Marine Grade Stainless steel eyelet kit

### ELXPCSS47

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

### ELXWMBSS45

- 45° 316 Marine Grade Stainless steel wall mount kit

### ELXPCSS54

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

### ELXWMBSS60

- 60° 316 Marine Grade stainless steel wall mount kit



### ELX-BATT-KIT

- 3.6V NiMH battery kit

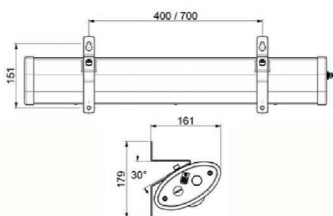
### ELXPCSS59

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

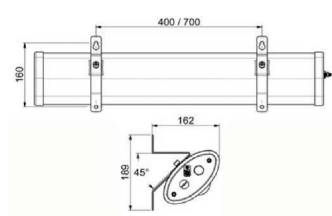
### ELXWMBSS90

- 90° 316 Marine Grade Stainless steel wall mount kit

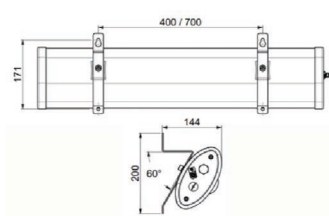
## Mounting Options



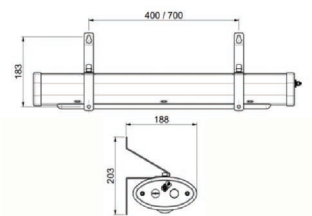
Wall Mount Bracket 30°



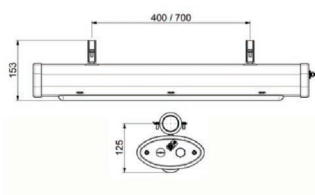
Wall Mount Bracket 45°



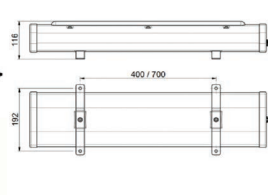
Wall Mount Bracket 60°



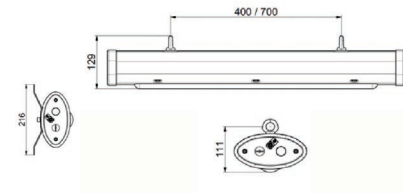
Wall Mount Bracket 90°



Pole Clamp



Ceiling Mount



Eyelet

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# DuroSite® LED Bulkhead

## Technical Specifications



### Ratings and Certifications

- 5 year warranty
- L70 >100,000 hours @ 25°C ambient
- CE
- IP66/67
- Emergency models available
- IK08

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

### Mechanical Information

<b>Fixture weight:</b>	
Standard Models	
<b>34W:</b>	4.5 kg (10 lbs)
Emergency Models	
<b>36W:</b>	5.9 kg (13 lbs)
<b>Cable Entry:</b>	M20 x 3
<b>Mounting:</b>	Secondary retention not available
<b>Terminals:</b>	4mm <sup>2</sup> x 3

### Specifications

Voltage options:		Housing:	Copper-free aluminium
Standard Models		Finish:	Superior dual coat finish - Sealed polyester topcoat - Chemical-resistant epoxy prime
34W:	100-277 VAC	Power factor:	>0.9
Emergency Models		THD:	<20%
36W:	207-264 VAC	Lens:	High impact resistant clear glass
Operating temp:			Frosted glass optional, consult sales
Standard Models		CRI:	70
34W:	-40°C to +50°C	CCT:	5650K (cool white)
Emergency Models			4300K (neutral white)
36W:	-20°C to +40°C	Surge protection:	EN 61000-4-5 1kV line-to-line, 2kV line-to-ground
Emergency Models - Battery			
36W:	3.6V 10Ah NiMH	Expected Battery Life:	4 years
Battery Duration:	@ 25°C ambient - est. >3 hours		

\*22W & 11W versions available consult sales

### Comparison

	Warranty	L70
Dialight LED Bulkhead	5yr	>100,000
Metal Halide	1	15,000
High Pressure Sodium	1	20,000
Fluorescent	1	24,000

### Standard Models

Lumens	Wattage	lm/W	Mounting Heights
2,250	34	66	3m

### Emergency Models

Lumens	Wattage	lm/W	Mounting Heights
2,250	36	63	3m

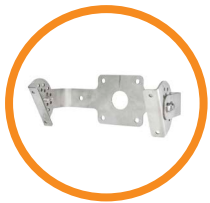
**WARNING - INSTALLATION & SECONDARY RETENTION.** Use of any Dialight products without proper installation (including secondary retention / netting) and periodic inspections could cause severe injury or death. Dialight recommends that all installations should use secondary retention / netting (appropriate 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.

# DuroSite® LED Bulkhead

## Ordering Information & Mounting Accessories

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

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



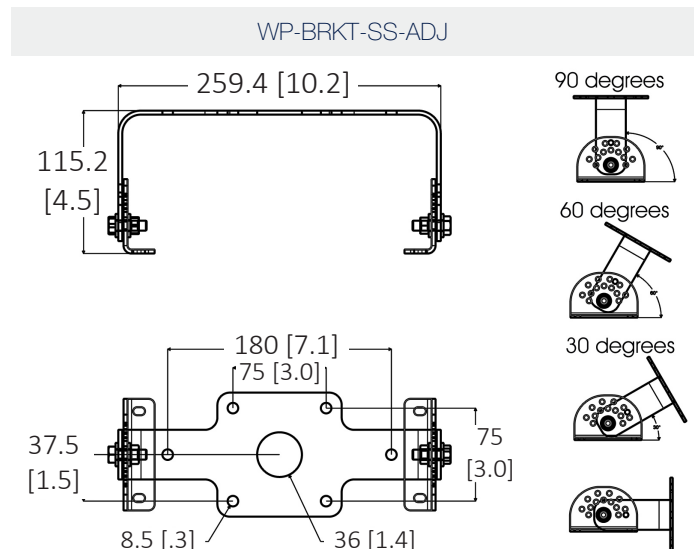
### WP-BRKT-SS-ADJ

- Adjustable bracket
- Includes self-tapping screws



### WPX-001500-BATT

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



## 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

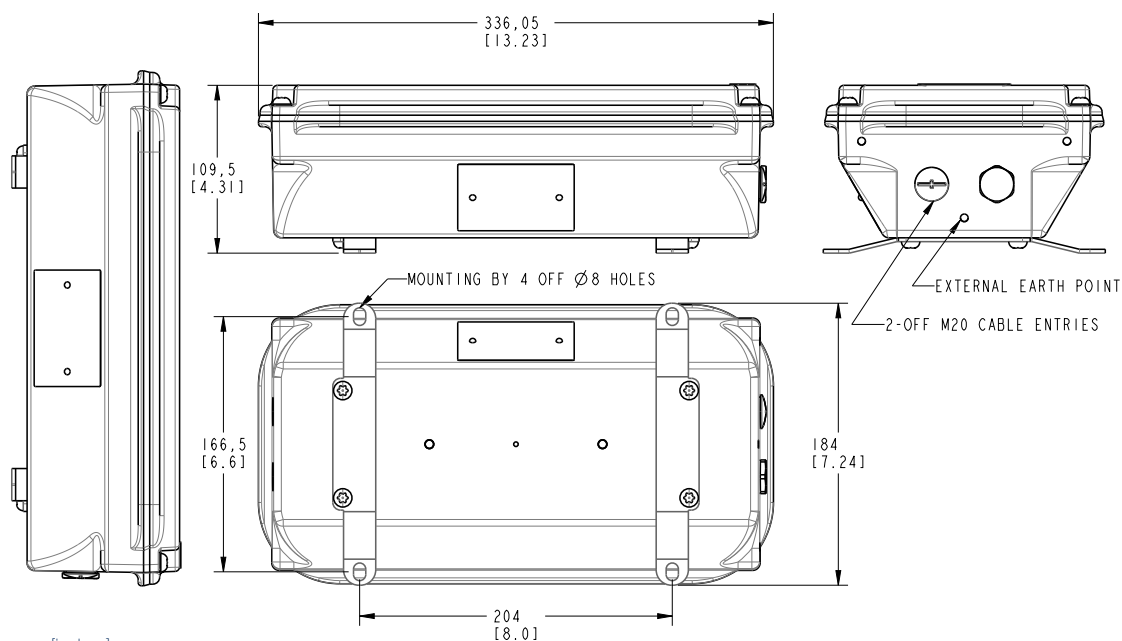
- 30° angle mounting brackets
- Bracket to fixture hardware
- Includes (2) brackets in 304 Stainless steel and stainless mounting hardware

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# DuroSite® LED Bulkhead

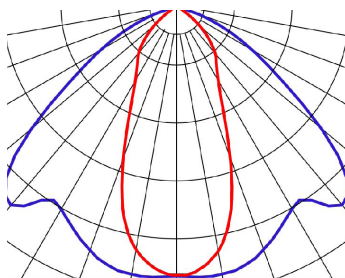
## Dimensional Drawings

### Dimensions



Dimension in mm [inches]

### Beam Distribution

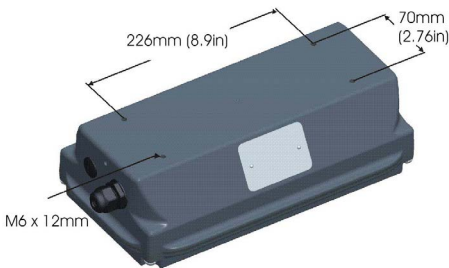


Oval Pattern (35° x 55°)

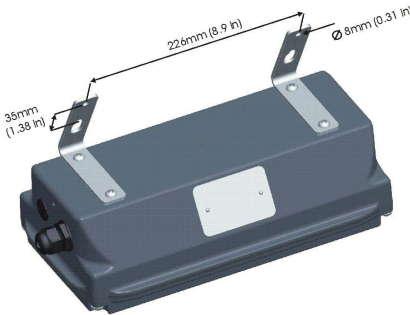
# DuroSite® LED Bulkhead

## Dimensional Drawings

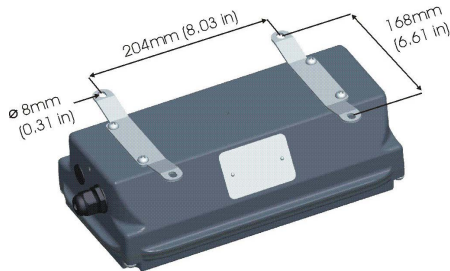
Standard without Bracket



30° Angle Bracket - WP-BRKT-SS-30



Flush Bracket WP-BRKT-F-KIT



\*Holes are blank and blind

Cable Entry - Supplied as Standard



2 Entries One Side, 1 Entry Opposite Side.

# 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 Baseefa12ATEX0070X

### 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:	4mm <sup>2</sup> x 3

### Temperature Ratings

Ambient Temperature Range T4

-40°C to +65°C

### Specifications

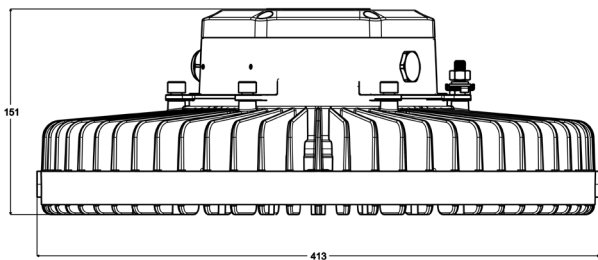
Voltage options:		Housing:	Copper-free aluminium
100-277 VAC	16,000lm & lower models		
110-277 VAC	23,500lm models	Lens:	Tempered glass (optional fragment retention available)
Operating temp:	-40°C to +65°C		
Power factor:	>0.9	Finish:	Superior dual coat finish - Sealed polyester topcoat - Chemical-resistant epoxy prime
THD:	<20%		
Surge protection:	Protection devices capable of handling up to 6kV. Tested for 6kV/2 ohm combination wave, as per IEEE C62.41, line-line and line-ground	CRI:	75 typical
			CCT:

### Comparison

	Warranty	L70	T-Rating
Dialight LED High Bay	10yr	>150,000	T4
Metal Halide	1	15,000	T2
High Pressure Sodium	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

Part Number	Lumens	Wattage	lm/W	Voltage	Colour Temperature (CCT)	Lens	Beam Distribution
Junction Box Models							
HEA9MC4PN-KCG	23,500	212	110	110-277 VAC	5000K (cool white)	Glass	Medium
HEA9MC4KN-KCG	16,000	144	110	100-277 VAC	5000K (cool white)	Glass	Medium
HEA9MC4GN-KCG	12,500	112	110	100-277 VAC	5000K (cool white)	Glass	Medium
HEA9MC4DN-KCG	9,650	88	110	100-277 VAC	5000K (cool white)	Glass	Medium
Hydrogen Environment - Standard Models							
HEH9MC4PN-BCG	23,500	212	110	110-277 VAC	5000K (cool white)	Glass	Medium
HEH9MC4KN-BCG	16,000	144	110	100-277 VAC	5000K (cool white)	Glass	Medium
HEH9MC4GN-BCG	12,500	112	110	100-277 VAC	5000K (cool white)	Glass	Medium
HEH9MC4DN-BCG	9,650	88	110	100-277 VAC	5000K (cool white)	Glass	Medium

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 Q to a E.

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



### HBXW3-SS

- 316 stainless steel swivel bracket (included with fixture)



### HBXSBK

- Sand blast kit (flat lens)

### HBXSBL

- Sacrificial flat lens

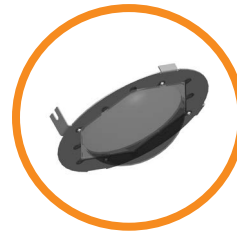


### HBXW3-SSL-316M

- 316 Stainless steel bracket

### HBXW3-SSL-304M

- 304 Stainless steel bracket

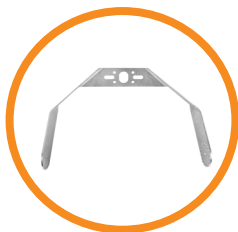


### HBXSBDK

- Sand blast kit (dome lens)

### HBXSBDL

- Sacrificial dome lens



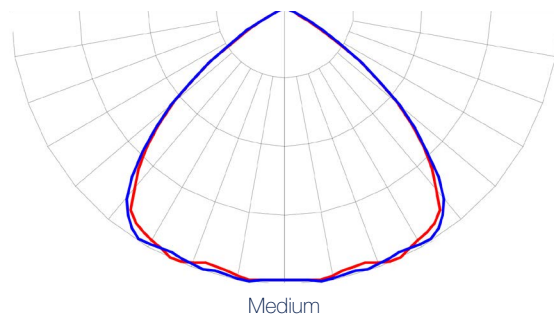
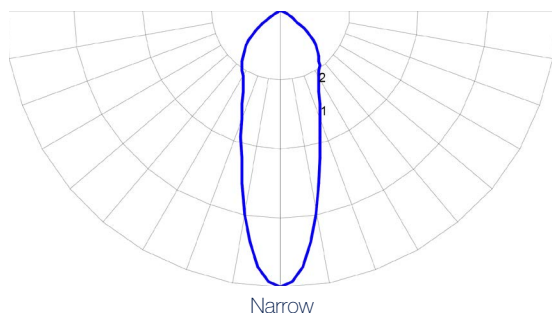
### HBXW3-SSL-304FT

- 304 Stainless steel forward throw bracket

### HBXW3-SSL-316FT

- 316 Stainless steel forward throw bracket

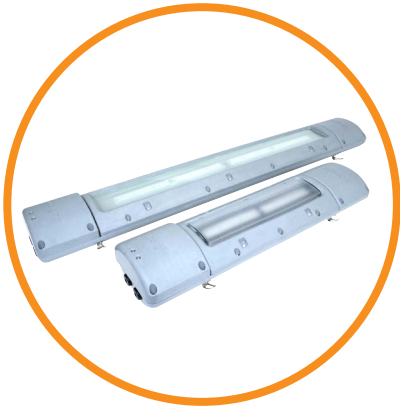
## Beam Distribution



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# SafeSite® LED GRP Linear

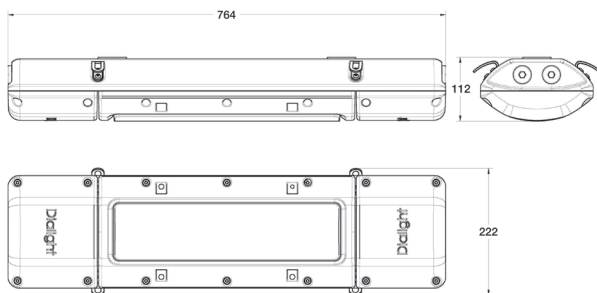
## ATEX / IECEx



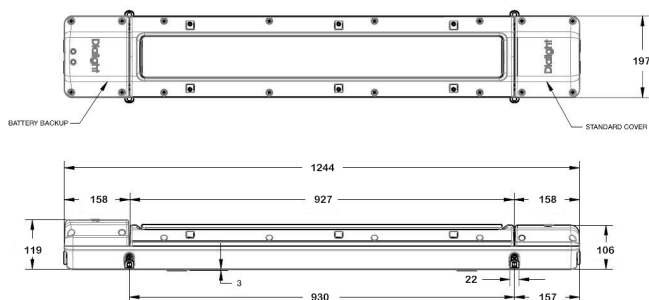
### Certifications & Ratings

- 10 year warranty
- CE
- IP66/67
- ATEX/IECEx Zone 1, 2, 21 & 22
  - Ex II 2 GD
    - Ex eb mb op is IIC T4 Gb
    - Ex tb op is IIC T130°C Db
  - Certification numbers:
    - Sira 19ATEX4226X
    - IECEx SIR 19.0068X
- 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
  - Ex II 2 D
    - Ex tb op is IIC T130°C Db
    - Sira 19ATEX9228X
    - 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

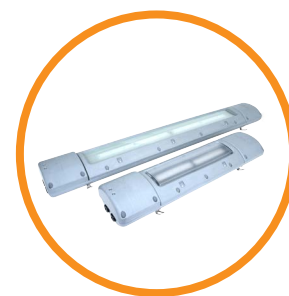
All values typical unless otherwise stated (tolerance +/- 10%)

\* @ 25°C ambient

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# Ordering Information

## SafeSite® LED GRP Linear - ATEX / IECEx

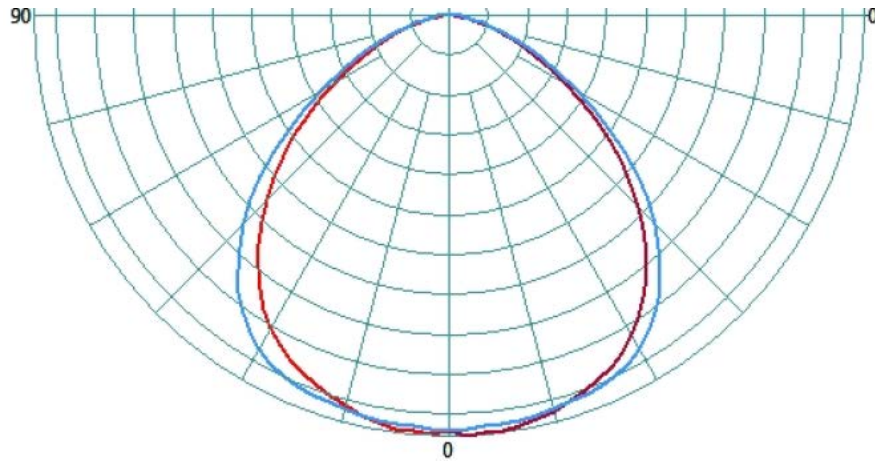


Part Number	Legacy Part Number	Fixture Lumens (Nominal)	Wattage	lm/W	Voltage	CCT	Lens
Zone 1, 2, 21 & 22 Models (Standard)							
P2ABMC23A54WGN		2,875	25	115	100-277 VAC/120-250 VDC	5000K (cool white)	Textured Polycarbonate
P4ABMC26A54WGN		5,750	47	123	100-277 VAC/120-250 VDC	5000K (cool white)	Textured Polycarbonate
P2ABMN23A54WGN		2,785	25	111	100-277 VAC/120-250 VDC	4000K (neutral white)	Textured Polycarbonate
P4ABMN26A54WGN		5,575	47	119	100-277 VAC/120-250 VDC	4000K (neutral white)	Textured Polycarbonate
Zone 2, 21 & 22 Models (Standard)							
P2BBMC23A54WGN	P2BBMC23A5NWGN	2,875	25	115	100-277 VAC/120-250 VDC	5000K (cool white)	Textured Polycarbonate
P4BBMC26A54WGN	P4BBMC26A5NWGN	5,750	47	123	100-277 VAC/120-250 VDC	5000K (cool white)	Textured Polycarbonate
P2BBMN23A54WGN	P2BBMN23A5NWGN	2,785	25	111	100-277 VAC/120-250 VDC	4000K (neutral white)	Textured Polycarbonate
P4BBMN26A54WGN	P4BBMN26A5NWGN	5,575	47	119	100-277 VAC/120-250 VDC	4000K (neutral white)	Textured Polycarbonate
Zone 1, 2, 21 & 22 Models (Emergency Backup)							
P2ABMCG3A54WGG		2,875	29	99	230/240 VAC	5000K (cool white)	Textured Polycarbonate
P4ABMCG6A54WGG		5,750	51	113	230/240 VAC	5000K (cool white)	Textured Polycarbonate
P2ABMNG3A54WGG		2,785	29	96	230/240 VAC	4000K (neutral white)	Textured Polycarbonate
P4ABMNG6A54WGG		5,575	51	109	230/240 VAC	4000K (neutral white)	Textured Polycarbonate
Zone 2, 21 & 22 Models (Emergency Backup)							
P2BBMC23A54WGG	P2BBMC23A5NWGF	2,875	29	99	230/240 VAC	5000K (cool white)	Textured Polycarbonate
P4BBMC26A54WGG	P4BBMC26A5NWGF	5,750	51	113	230/240 VAC	5000K (cool white)	Textured Polycarbonate
P2BBMN23A54WGG	P2BBMN23A5NWGF	2,785	29	96	230/240 VAC	4000K (neutral white)	Textured Polycarbonate
P4BBMN26A54WGG	P4BBMN26A5NWGF	5,575	51	109	230/240 VAC	4000K (neutral white)	Textured Polycarbonate
Shower-Safe/Eye-Wash Station Version - Zone 1, 2, 21 & 22 (Emergency Backup)							
P2ABMGG3A54WGG			29		230/240 VAC	Green	Textured Polycarbonate
P4ABMGG6A54WGG			51		230/240 VAC	Green	Textured Polycarbonate
Shower-Safe/Eye-Wash Station Version - Zone 2, 21 & 22 (Emergency Backup)							
P2BBMG23A54WGG	P2BBMG23A5NWGF		29		230/240 VAC	Green	Textured Polycarbonate
P4BBMG26A54WGG	P4BBMG26A5NWGF		51		230/240 VAC	Green	Textured Polycarbonate

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

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## Beam Distribution



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## 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-WMB-SS-45

- 45° 316 Marine Grade stainless steel wall mount kit



### HBXCAB48

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

### 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

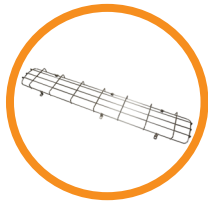
### ELX-PC-SS-59

- 58-68mm Ø 316 Marine Grade stainless steel pole clamp



### ELX-EYE-SS

- 316 Marine Grade stainless steel eyelet kit



### RLX-WG-2

- Wire guard for 764mm model

### RLX-WG-4

- Wire guard for 1244mm model



### RLX-BATT-KIT-2

- 764mm replacement battery kit



### RL-WIRELESS-2\*

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

### RLX-BATT-KIT-4

- 1244mm replacement battery kit

### RL-WIRELESS-4\*

- Wireless controls kit for 1244mm models (Zone 2 only)

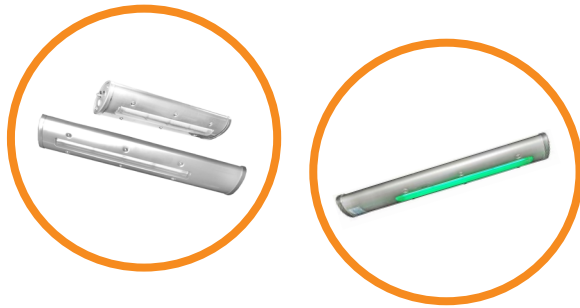
\*Must be fitted to GRP Linear by authorized Dialight personnel prior to delivery

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# SafeSite® LED Stainless Steel Linear

## Technical Specifications



### 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

\*All features not available on every model. Please refer to product part number pages for model specifics. Emergency battery backup version available. Green shower safe models available.

### Mechanical Information

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

### Specifications

<b>Voltage options:</b>	<b>Standard:</b> 110-250 VAC	<b>Housing:</b>	316 Marine grade stainless steel
	<b>Emergency:</b> 230, 240 VAC	<b>Lens:</b>	High impact resistant diffused polycarbonate
<b>Operating temp:</b>	<b>Standard:</b> -20°C to +60°C	<b>CRI:</b>	70
	<b>Emergency:</b> -20°C to +60°C	<b>CCT:</b>	5000K (cool white) 4000K (neutral white)
<b>Power factor:</b>	>0.9	<b>Surge protection:</b>	EN 61000-4-5 1 kV line to line, 2 kV line to ground

### Emergency Models

<b>Battery:</b>	3.6V 10Ah NiMH	<b>Duration:</b>	> 180 minutes
<b>Expected battery life:</b>	4 years		

### Comparison

	Warranty	L70	T-Rating
Dialight LED Linear	5yr	>150,000	T5
Fluorescent	1	24,000	T4

### Lumens

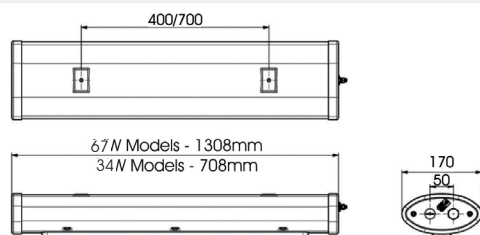
### Wattage

### lm/W

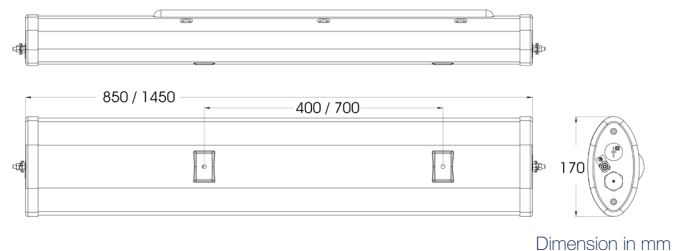
### Mounting Heights

5,100	70	73	6m
			↕
2,600	34	74	3m

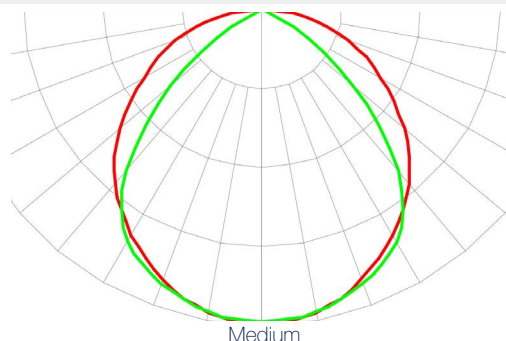
### Standard Model Dimensions



### Emergency Model Dimensions



### Beam Distribution



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# SafeSite® LED Stainless Steel Linear

## Ordering Information & Mounting Accessories

Part Number	Fixture Lumens	Emergency Mode Lumens	Wattage	lm/W	Voltage	Colour Temperature (CCT)	Lens	Beam Distribution
Standard Models								
ELA-1C6R-SSCB4	5,100		67	76	110-250 VAC	5000K (cool white)	Polycarbonate	Medium
ELA-1C6M-SSCB4	2,600		34	76	110-250 VAC	5000K (cool white)	Polycarbonate	Medium
ELA-1N6R-SSCB4	4,850		67	72	110-250 VAC	4000K (neutral white)	Polycarbonate	Medium
ELA-1N6M-SSCB4	2,500		34	74	110-250 VAC	4000K (neutral white)	Polycarbonate	Medium
Shower Safe Models								
ELA-1G3M-SSC			34		110-250 VAC	Green	Polycarbonate	Medium
Emergency Models								
ELEA-2C7R-SSCB4	5,100	271	70	73	230 / 240 VAC	5000K (cool white)	Polycarbonate	Medium
ELEA-2C7M-SSCB4	2,600	271	35	74	230 / 240 VAC	5000K (cool white)	Polycarbonate	Medium

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

M20 options available, please consult local Dialight sales office for availability.



### ELXCMBSS

- 316 Marine Grade Stainless steel ceiling mount kit



### ELXPCSS42

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



### ELXWMBSS30

- 30° 316 Marine Grade Stainless steel wall mount kit



### ELXEYESS

- 316 Marine Grade Stainless steel eyelet kit

### ELXPCSS47

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

### ELXWMBSS45

- 45° 316 Marine Grade Stainless steel wall mount kit

### ELXPCSS54

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

### ELXWMBSS60

- 60° 316 Marine Grade Stainless steel wall mount kit



### ELX-BATT-KIT

- Emergency model
- 3.6V 10Ah NiMH battery kit

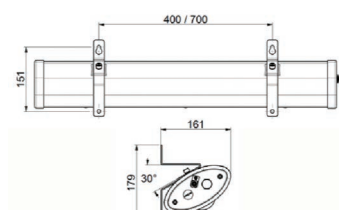
### ELXPCSS59

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

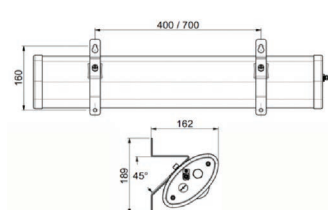
### ELXWMBSS90

- 90° 316 Marine Grade Stainless steel wall mount kit

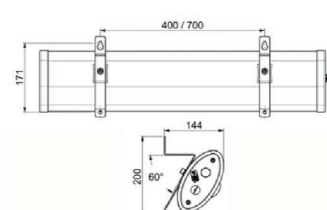
## Mounting Options



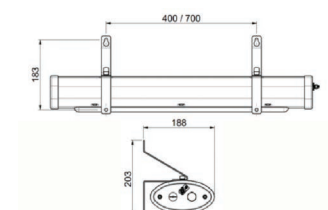
Wall Mount Bracket 30°



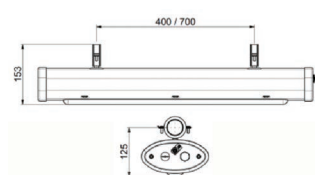
Wall Mount Bracket 45°



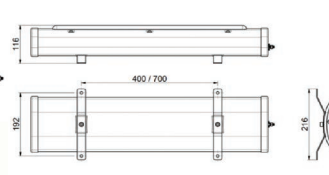
Wall Mount Bracket 60°



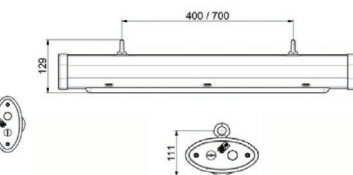
Wall Mount Bracket 90°



Pole Clamp



Ceiling Mount



Eyelet

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# SafeSite® LED Area Light

## Technical Specifications



### Ratings and Certifications

- 5 year warranty
- L70 >150,000 hours @ 25°C ambient
- IECEx/ATEX Zones 1, 21
- IECEx/ATEX Zones 2, 22
- IP66
- IK08
- CE

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

### Mechanical Information

<b>Fixture weight:</b>	9.1 kg (20 lbs)
<b>Shipping weight:</b>	10.0 kg (22 lbs)
<b>Mounting:</b>	316 Stainless steel mounting bracket Secondary retention standard
<b>Cable Entries:</b>	M20 x 2
<b>Terminals:</b>	4mm <sup>2</sup> x 5

### Specifications

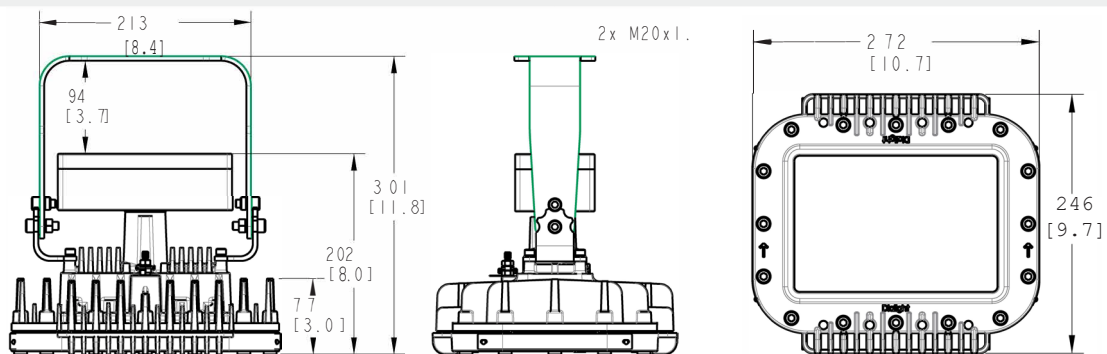
<b>Voltage:</b>	100-277 VAC	<b>Housing:</b>	Copper-free aluminium
<b>Operating temp:</b>	-40°C to +65°C	<b>Finish:</b>	Superior dual coat finish - Sealed polyester topcoat
<b>Power factor:</b>	>0.9	<b>Lens:</b>	Tempered Glass
<b>THD:</b>	<20%	<b>CRI:</b>	75
<b>Surge protection:</b>	1kV line-to-line, 2kV line-to-ground	<b>CCT:</b>	5000K (cool white) 4000K (neutral white)

### Comparison

	Warranty	L70	T-Rating
Dialight LED Area Light	5yr	>150,000	T5
Metal Halide	1	15,000	T3
High Pressure Sodium	1	20,000	T2

Lumens	Wattage	lm/W	Mounting Heights
6,000	58	103	6m
5,600	47	97	3m

### Dimensions



Dimension in mm [inches]

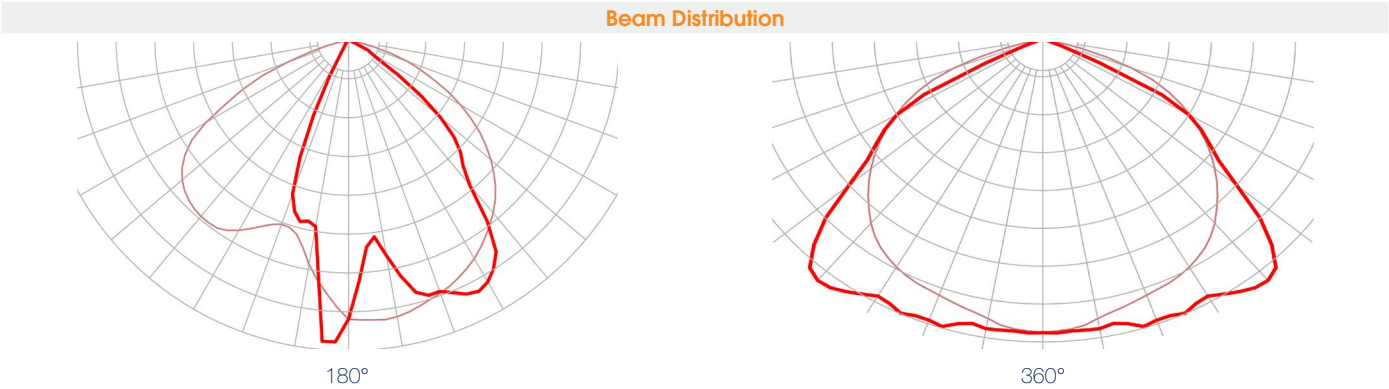
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# SafeSite® LED Area Light

## Ordering Information

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

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



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# SafeSite® LED Bulkhead

## Technical Specifications



### Ratings and Certifications

• 5 year warranty	• ATEX/IECEx Zones 1, 21
• IP66/67	• ATEX/IECEx Zones 2, 22
• IK09	• ABS
• 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.

### Mechanical Information

<b>Fixture weight:</b>	
Standard Models	
<b>22W:</b>	4.8 kg (10.5 lbs)
<b>34W:</b>	5.2 kg (11.5 lbs)
Emergency Models	
<b>24W:</b>	6.1 kg (13.5 lbs)
<b>36W:</b>	6.6 kg (14.5 lbs)
<b>Mounting:</b>	Supplied without brackets Secondary retention not available
<b>Cable Entry:</b>	M20 x 3
<b>Terminals:</b>	4mm <sup>2</sup> x 3

### Specifications

<b>Voltage options:</b>		<b>Housing:</b>	Copper-free aluminium
		<b>Finish:</b>	Superior dual coat finish - Sealed polyester topcoat - Chemical-resistant epoxy prime
Standard Models		<b>Power factor:</b>	>0.9
<b>34W:</b>	100-277 VAC	<b>THD:</b>	<20%
Emergency Models		<b>Lens:</b>	High impact resistant clear glass (Frosted glass optional, consult sales)
<b>36W:</b>	207-264 VAC	<b>CRI:</b>	70
<b>Operating temp:</b>		<b>CCT:</b>	5650K (cool white) 4300K (neutral white)
Standard Models		Emergency Models	
<b>34W:</b>	-40°C to +50°C	<b>Battery</b>	
Emergency Models		<b>36W:</b>	3.6V 10Ah NiMH
<b>36W:</b>	-20°C to +40°C	<b>Expected Battery Life:</b>	4 years
<b>Surge protection:</b>		<b>Battery Duration:</b>	@ 25°C ambient - est. >3 hours
		EN 61000-4-5 1 kV line to line, 2 kV line to ground	

### Comparison

	Warranty	L70
Dialight LED Bulkhead	5yr	>100,000
Metal Halide	1	15,000
High Pressure Sodium	1	20,000
Fluorescent	1	24,000

### Standard Models

Lumens	Wattage	lm/W	Mounting Heights
2,250	34	66	3m

### Emergency Models

Lumens	Wattage	lm/W	Mounting Heights
2,250	36	63	3m

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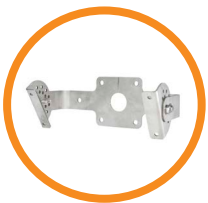


# SafeSite® LED Bulkhead

## Dimensional Drawings

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

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



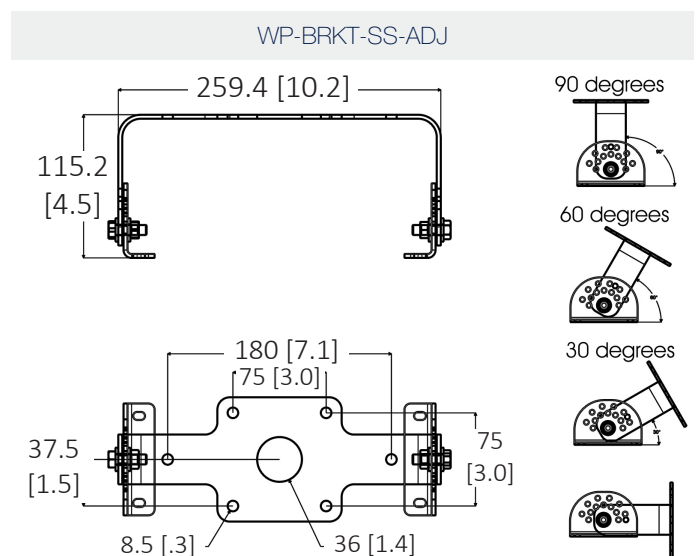
### WP-BRKT-SS-ADJ

- Adjustable bracket
- Includes self-tapping screws



### WPX-001500-BATT

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



Dimension in mm [inches]

## 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

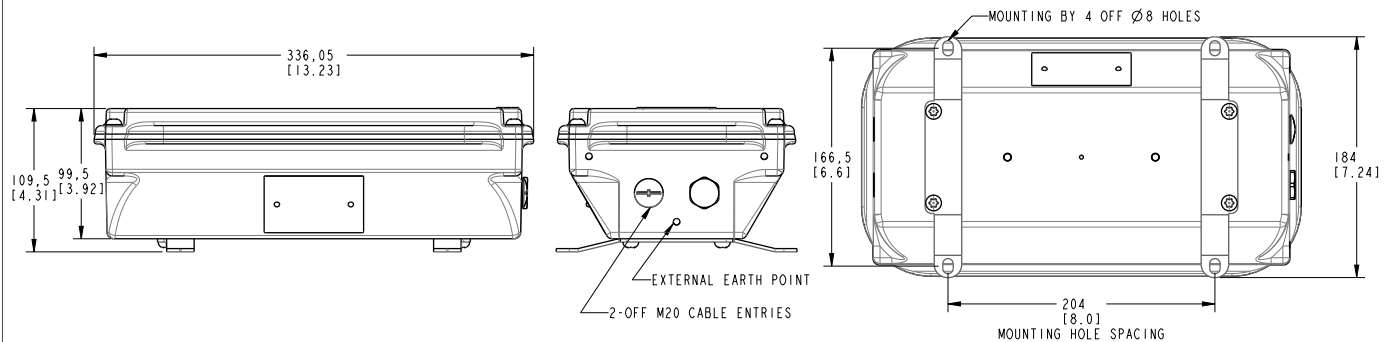
- 30° angle mounting brackets
- Bracket to fixture hardware
- Includes (2) brackets in 304 Stainless steel and stainless mounting hardware

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# SafeSite® LED Bulkhead

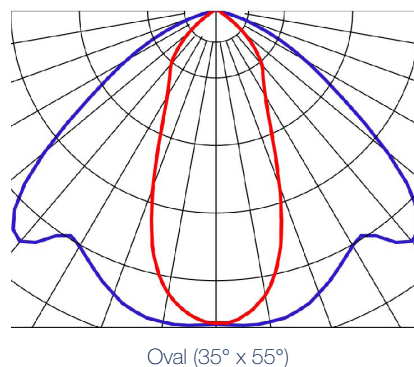
## Dimensional Drawings

### Dimensions - Standard



Dimension in mm [inches]

### Beam Distribution

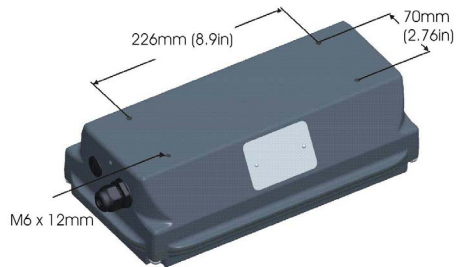


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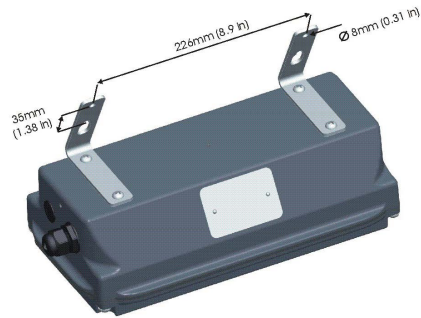
# SafeSite® LED Bulkhead

## Dimensional Drawings

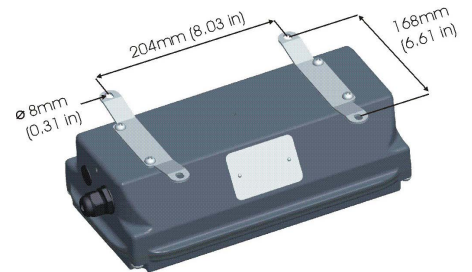
Standard without Bracket



30° Angle Bracket - WP-BRKT-SS-30

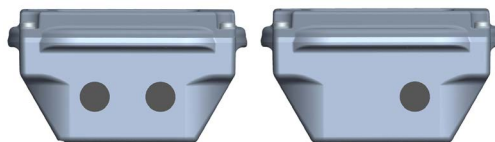


Flush Bracket WP-BRKT-F-KIT



\*Holes are blank and blind

Cable Entry - Supplied as Standard



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.

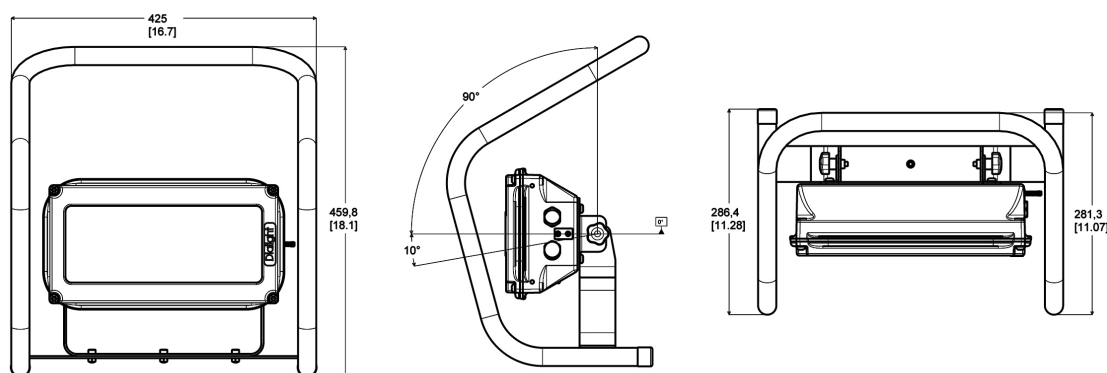
### Mechanical Information

Fixture weight:	11 & 22W - 5.75 kg (10.5 lbs)
	34W - 5.9 kg (10.8 lbs)
Fixing:	Factory installed 10m cable, no plugs
Mounting:	Secondary retention not available

### Specifications

Voltage options:	34W-100-277 VAC	Housing:	Copper-free aluminium
		Finish:	Superior dual coat finish color - RAL Yellow
Operating temp:	34W- -40°C to +50°C	Lens:	Polycarbonate High impact resistant glass
Power factor:	>0.9	CRI:	70
THD:	<20%	CCT:	5000K (cool white)
Surge protection:	1 kV line to line, 2 kV line to ground		

### Dimensions



Dimension in mm [inches]

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

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

When ordering, please refer to [www.dialight.com](http://www.dialight.com) and the current data sheets to ensure proper and most up-to-date information.

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# StreetSense® LED ATEX/IECEx 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.

### Mechanical Information

<b>Fixture weight:</b>	1 light engines: 7.3 kg (16 lbs) 2 light engines: 1.3 kg (25 lbs) 3 light engines: 15.4 kg (34 lbs)
<b>Shipping weight:</b>	1 light engines: 9.5 kg (21 lbs) 2 light engines: 13.6 kg (30 lbs) 3 light engines: 17.7 kg (39 lbs)
<b>Mounting:</b>	Accommodates 31.75mm (42.16mm OD) - 50.8mm (60.32mm OD) pipe. Provision for adjustment of +/- 5° at 2.5° increments Secondary retention standard
<b>Cable Entries:</b>	M25 x 1 rear
<b>Terminals:</b>	3.3mm <sup>2</sup> x 3

### Specifications

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

### Comparison

	Warranty	L70
Dialight LED Street Light	7yr	>100,000
Metal Halide	1	15,000
High Pressure Sodium	1	20,000

### Lumens

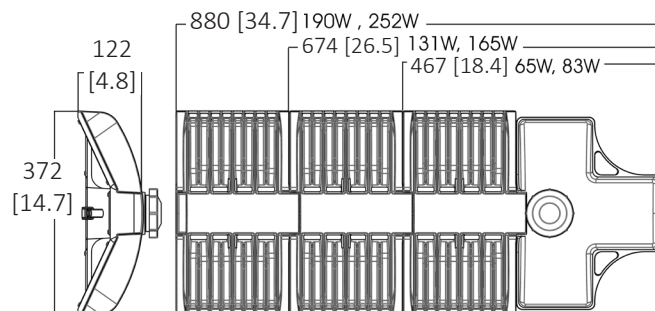
### Wattage

### lm/W

### Mounting Heights

20,250	252	80	17m
10,900	131	83	↕
5,500	65	85	5m

### Dimensions



Dimension in mm [inches]

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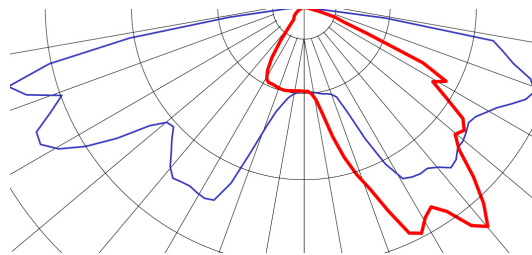
# StreetSense® LED ATEX/IECEx Street Light

## Ordering Information

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

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

Beam Distribution



Type III

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# Obstruction LED Lighting

ICAO



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

CE

### 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 and
  - Twenty Four (24) Low Intensity ICAO Type B/Type E



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

CE

### 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

CE

### 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
- Impact and vibration resistant
- Provision for padlock on the enclosure
- 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



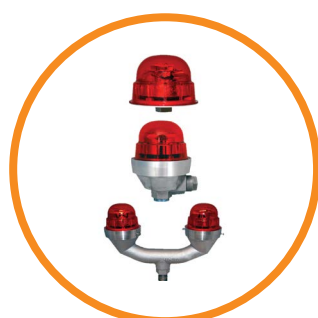
### Vigilant LED Based ICAO Type B/Type C

#### Medium Intensity (Red) Beacon - Infrared (IR) available

**Effective Intensity:** 2,000 cd

**Wattage:** 3.3W (16.7% duty cycle) - standard  
7.0W (16.7% duty cycle) - 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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