



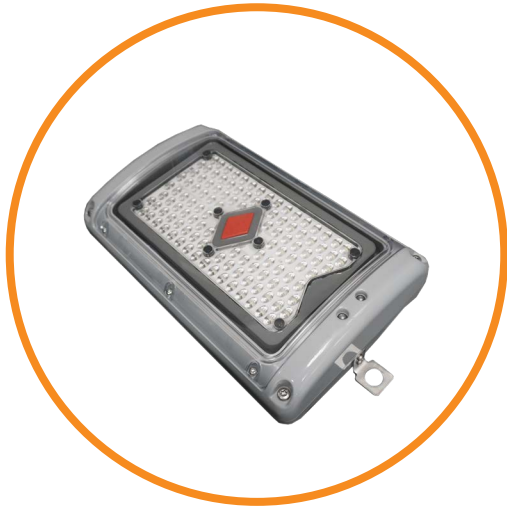
# Dialight LED SafeSite<sup>®</sup> Bulkhead

## Technical Specification Sheet - APAC



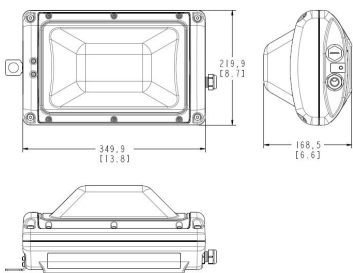
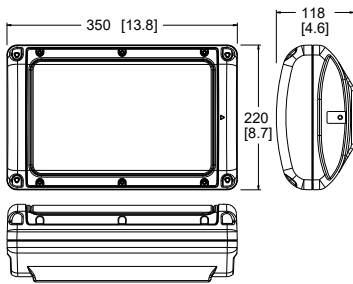
# SafeSite® LED Bulkhead

## Standard Model



### Certifications & Ratings

- 10 year warranty (excluding battery)
- ATEX / IECEx Zone 1, 21
  - Ex eb mb IIC T4 Gb
  - EX tb IIIC T130°C Db
- ATEX / IECEx Zone 2, 22
  - Ex ec IIC T4 Gc
  - Ex tc IIIC T130°C Dc
- IECEx CSA 21.0047X Ta = -40°C to +65°C for standard models
- IECEx CSA 21.0047X Ta = -20°C to +55°C for battery backup models
- DNV TAE00004H1
- IP66/67
- IK10
- L70 > 150,000 hours @ 65°C (149°F)



Dimensions in mm (inches)

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

### Mechanical Information:

<b>Fixture weights:</b>	
Standard models:	6.8 kg (15.0 lb)
Battery backup models:	7.7 kg (17 lb)
<b>Shipping weights:</b>	
Standard models:	7.3 kg (16.1 lb)
Battery backup models:	8.4 kg (18.5 lb)
<b>Cable entry:</b>	(2) M20 - optional (4) M20

### Materials:

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

### Electrical Specifications:

<b>Operating voltage:</b>	100-277 VAC / 120-250 VDC 230-240 VAC
<b>Operating temperature:</b>	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)
<b>Transient protection:</b>	IEC 61000-4-5 6kV line-line & line-ground
<b>THD:</b>	< 20%
<b>Power factor:</b>	> 0.9
<b>Dimming:</b>	DALI 1.0 and 2.0 compatible 0-10 VDC dimming to 10%

### Battery Backup Models: (integral battery)

<b>Battery duration* (circular optic, clear lens):</b>	
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

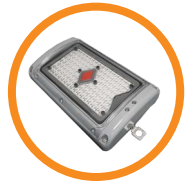
### Photometric Information:

<b>Lumen output*:</b>	3,000 & 6,500 lm (white light)
<b>CRI:</b>	> 80 (white light)
<b>CCT:</b>	5000K (cool white) 4000K (neutral white) 2700K (warm white) Amber Green

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

## Ordering Information

### SafeSite® LED Bulkhead



#### Zone 1, 21

Part Number	Fixture Lumens	Wattage	lm/W	Voltage	CCT	Lens	Beam Distribution
<b>Standard Models with Flush Bracket</b>							
BHA-4BC2-3NFN-VGN	3,300	22	153	100-277VAC / 120-250VDC	5000K (cool white)	Clear Polycarbonate	Circular
<b>BHA-4BC2-6NFN-VGN</b>	6,200	45	138	100-277VAC / 120-250VDC	5000K (cool white)	Clear Polycarbonate	Circular
BHA-4UC2-3NFN-VGN	3,100	22	144	100-277VAC / 120-250VDC	5000K (cool white)	Clear Polycarbonate	Ultra-Wide (Type 1)
BHA-4UC2-6NFN-VGN	6,200	45	138	100-277VAC / 120-250VDC	5000K (cool white)	Clear Polycarbonate	Ultra-Wide (Type 1)
<b>BHA-4BN2-3NFN-VGN</b>	3,300	22	153	100-277VAC / 120-250VDC	4000K (neutral white)	Clear Polycarbonate	Circular
<b>BHA-4BN2-6NFN-VGN</b>	6,200	45	138	100-277VAC / 120-250VDC	4000K (neutral white)	Clear Polycarbonate	Circular
BHA-4UN2-3NFN-VGN	3,100	22	144	100-277VAC / 120-250VDC	4000K (neutral white)	Clear Polycarbonate	Ultra-Wide (Type 1)
BHA-4UN2-6NFN-VGN	6,200	45	138	100-277VAC / 120-250VDC	4000K (neutral white)	Clear Polycarbonate	Ultra-Wide (Type 1)
BHA-4BA2-5NFN-VGN	4,200	46	91	100-277VAC / 120-250VDC	Amber	Clear Polycarbonate	Circular
<b>Battery Backup Models with Flush Bracket</b>							
BHA-4BCG-3NFN-VGF	3,300	25	132	230-240VAC	5000K (cool white)	Clear Polycarbonate	Circular
<b>BHA-4BCG-6NFN-VGF</b>	6,200	48	129	230-240VAC	5000K (cool white)	Clear Polycarbonate	Circular
BHA-4UCG-3NFN-VGF	3,100	25	124	230-240VAC	5000K (cool white)	Clear Polycarbonate	Ultra-Wide (Type 1)
BHA-4UCG-6NFN-VGF	6,200	48	129	230-240VAC	5000K (cool white)	Clear Polycarbonate	Ultra-Wide (Type 1)
<b>BHA-4BNG-3NFN-VGF</b>	3,300	25	132	230-240VAC	4000K (neutral white)	Clear Polycarbonate	Circular
<b>BHA-4BNG-6NFN-VGF</b>	6,200	48	129	230-240VAC	4000K (neutral white)	Clear Polycarbonate	Circular
BHA-4UNG-3NFN-VGF	3,100	25	124	230-240VAC	4000K (neutral white)	Clear Polycarbonate	Ultra-Wide (Type 1)
<b>BHA-4UNG-6NFN-VGF</b>	6,200	48	129	230-240VAC	4000K (neutral white)	Clear Polycarbonate	Ultra-Wide (Type 1)
BHA-4BAG-5NFN-VGF	4,200	49	86	230-240VAC	Amber	Clear Polycarbonate	Circular
<b>BHA-6BGG-3NFN-VGG</b>	2,600	33	79	230-240VAC	Green	Domed Diffused	Circular

#### Zone 2, 22 or Zone 21

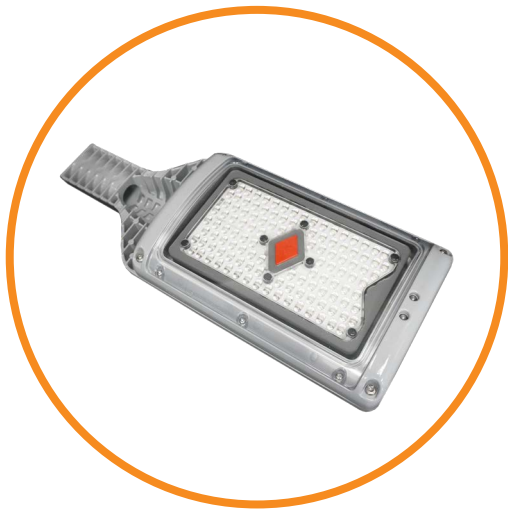
Part Number	Fixture Lumens	Wattage	lm/W	Voltage	CCT	Lens	Beam Distribution
<b>Standard Models with Flush Bracket</b>							
BHB-4BC2-3NFN-VGN	3,200	22	149	100-277VAC / 120-250VDC	5000K (cool white)	Clear Polycarbonate	Circular
BHB-4BC2-6NFN-VGN	6,700	45	149	100-277VAC / 120-250VDC	5000K (cool white)	Clear Polycarbonate	Circular
BHB-4UC2-3NFN-VGN	3,100	22	144	100-277VAC / 120-250VDC	5000K (cool white)	Clear Polycarbonate	Ultra-Wide (Type 1)
BHB-4UC2-6NFN-VGN	6,400	45	142	100-277VAC / 120-250VDC	5000K (cool white)	Clear Polycarbonate	Ultra-Wide (Type 1)
<b>BHB-4BN2-3NFN-VGN</b>	3,200	22	149	100-277VAC / 120-250VDC	4000K (neutral white)	Clear Polycarbonate	Circular
<b>BHB-4BN2-6NFN-VGN</b>	6,700	45	149	100-277VAC / 120-250VDC	4000K (neutral white)	Clear Polycarbonate	Circular
BHB-4UN2-3NFN-VGN	3,100	22	144	100-277VAC / 120-250VDC	4000K (neutral white)	Clear Polycarbonate	Ultra-Wide (Type 1)
<b>BHB-4UN2-6NFN-VGN</b>	6,400	45	142	100-277VAC / 120-250VDC	4000K (neutral white)	Clear Polycarbonate	Ultra-Wide (Type 1)
BHB-4BA2-5NFN-VGN	4,200	46	91	100-277VAC / 120-250VDC	Amber	Clear Polycarbonate	Circular
<b>Battery Backup Models with Flush Bracket</b>							
BHB-4BCG-3NFN-VGF	3,200	25	128	230-240VAC	5000K (cool white)	Clear Polycarbonate	Circular
<b>BHB-4BCG-6NFN-VGF</b>	6,700	48	140	230-240VAC	5000K (cool white)	Clear Polycarbonate	Circular
BHB-4UCG-3NFN-VGF	3,100	25	124	230-240VAC	5000K (cool white)	Clear Polycarbonate	Ultra-Wide (Type 1)
BHB-4UCG-6NFN-VGF	6,400	48	133	230-240VAC	5000K (cool white)	Clear Polycarbonate	Ultra-Wide (Type 1)
<b>BHB-4BNG-3NFN-VGF</b>	3,200	25	128	230-240VAC	4000K (neutral white)	Clear Polycarbonate	Circular
<b>BHB-4BNG-6NFN-VGF</b>	6,700	48	140	230-240VAC	4000K (neutral white)	Clear Polycarbonate	Circular
BHB-4UNG-3NFN-VGF	3,100	25	124	230-240VAC	4000K (neutral white)	Clear Polycarbonate	Ultra-Wide (Type 1)
<b>BHB-4UNG-6NFN-VGF</b>	6,400	48	133	230-240VAC	4000K (neutral white)	Clear Polycarbonate	Ultra-Wide (Type 1)
BHB-4BAG-5NFN-VGF	4,200	49	86	230-240VAC	Amber	Clear Polycarbonate	Circular
<b>BHB-6BGG-3NFN-VGG</b>	2,600	33	79	230-240VAC	Green	Domed Diffused	Circular

All values typical unless otherwise stated (tolerance +/- 10%).  
 Part numbers listed in **bold** are typically available in stock.  
 2700k models available on request

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

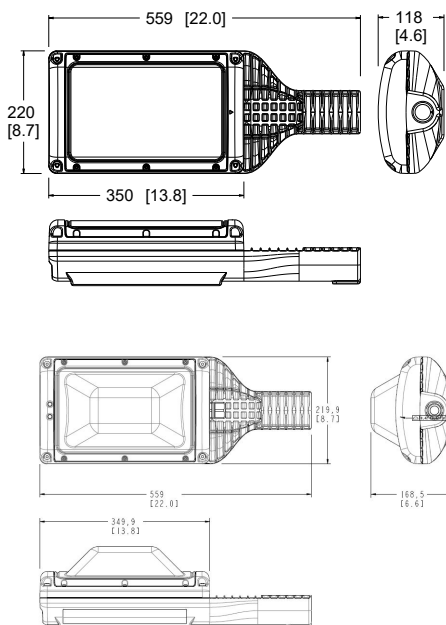
# SafeSite® LED Bulkhead

## Pole Mount Model



### Certifications & Ratings

- 10 year warranty (excluding battery)
- ATEX / IECEx Zone 1, 21
  - Ex eb mb IIC T4 Gb
  - EX tb IIIC T130°C Db
- ATEX / IECEx Zone 2, 22
  - Ex ec IIC T4 Gc
  - Ex tc IIIC T130°C Dc
- IECEx CSA 21.0047X Ta = -40°C to +65°C for standard models
- IECEx CSA 21.0047X Ta = -20°C to +55°C for battery backup model
- DNV TAE00004H1
- IP66/67
- IK10
- L70 > 150,000 hours @ 65°C (149°F)



Dimensions in mm (inches)

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### Mechanical Information:

<b>Fixture weights:</b>	
Standard models:	7.9 kg (17.4 lb)
Battery backup models:	8.8 kg (19.4 lb)
<b>Shipping weights:</b>	
Standard models:	8.4 kg (18.5 lb)
Battery backup models:	9.3 kg (20.5 lb)
<b>Cable entry:</b>	(1) M25
<b>Spigot entry size:</b>	35mm ID Optional 44mm ID

### Materials:

<b>Housing:</b>	A360 Die-cast aluminium
<b>Finish:</b>	Superior dual coat finish - Sealed polyester topcoat - Epoxy primer
<b>Lens:</b>	Polycarbonate clear Polycarbonate diffused (optional) Polycarbonate domed diffused

**Hardware:** 316 Stainless Steel

### Electrical Specifications:

<b>Operating voltage:</b>	100-277 VAC / 120-250 VDC 230-240 VAC
<b>Operating temperature:</b>	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)
<b>Transient protection:</b>	IEC 61000-4-5 6kV line-line & line-ground
<b>THD:</b>	< 20%
<b>Power factor:</b>	> 0.9
<b>Dimming:</b>	DALI 1.0 and 2.0 compatible 0-10 VDC 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

### Photometric Information:

<b>Lumen output*:</b>	3,000 & 6,500 lm (white light)
<b>CRI:</b>	> 80 (white light)
<b>CCT:</b>	5000K (cool white) 4000K (neutral white) 2700K (warm white) Amber Green

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

## Ordering Information **SafeSite® LED Bulkhead - Pole Mount**

### Zone 1, 21



Part Number	Fixture Lumens	Wattage	lm/W	Voltage	CCT	Lens	Beam Distribution
<b>Pole Mount Models</b>							
BPA-4BC2-3NNN-VGN	3,300	22	153	100-277VAC / 120-250VDC	5000K (cool white)	Clear Polycarbonate	Circular
BPA-4BC2-6NNN-VGN	6,200	45	138	100-277VAC / 120-250VDC	5000K (cool white)	Clear Polycarbonate	Circular
BPA-4UC2-3NNN-VGN	3,100	22	144	100-277VAC / 120-250VDC	5000K (cool white)	Clear Polycarbonate	Ultra-Wide (Type 1)
BPA-4UC2-6NNN-VGN	6,200	45	138	100-277VAC / 120-250VDC	5000K (cool white)	Clear Polycarbonate	Ultra-Wide (Type 1)
BPA-4BN2-3NNN-VGN	3,300	22	153	100-277VAC / 120-250VDC	4000K (neutral white)	Clear Polycarbonate	Circular
<b>BPA-4BN2-6NNN-VGN</b>	6,200	45	138	100-277VAC / 120-250VDC	4000K (neutral white)	Clear Polycarbonate	Circular
BPA-4UN2-3NNN-VGN	3,100	22	144	100-277VAC / 120-250VDC	4000K (neutral white)	Clear Polycarbonate	Ultra-Wide (Type 1)
<b>BPA-4UN2-6NNN-VGN</b>	6,200	45	138	100-277VAC / 120-250VDC	4000K (neutral white)	Clear Polycarbonate	Ultra-Wide (Type 1)
BPA-4BA2-5NNN-VGN	4,200	46	91	100-277VAC / 120-250VDC	Amber	Clear Polycarbonate	Circular
BPA-4UA2-5NNN-VGN	4,000	46	87	100-277VAC / 120-250VDC	Amber	Clear Polycarbonate	Ultra-Wide (Type 1)
<b>Pole Mount Models - 44mm Spigot Entry</b>							
<b>BZA-4UN2-6NNN-VGN</b>	6,200	45	138	100-277VAC / 120-250VDC	4000K (neutral white)	Clear Polycarbonate	Ultra-Wide (Type 1)
<b>Pole Mount Battery Backup Models</b>							
BPA-4BCG-3NNN-VGF	3,300	25	132	230-240VAC	5000K (cool white)	Clear Polycarbonate	Circular
BPA-4BCG-6NNN-VGF	6,200	48	129	230-240VAC	5000K (cool white)	Clear Polycarbonate	Circular
BPA-4UCG-3NNN-VGF	3,100	25	124	230-240VAC	5000K (cool white)	Clear Polycarbonate	Ultra-Wide (Type 1)
BPA-4UCG-6NNN-VGF	6,200	48	129	230-240VAC	5000K (cool white)	Clear Polycarbonate	Ultra-Wide (Type 1)
BPA-4BNG-3NNN-VGF	3,300	25	132	230-240VAC	4000K (neutral white)	Clear Polycarbonate	Circular
<b>BPA-4BNG-6NNN-VGF</b>	6,200	48	129	230-240VAC	4000K (neutral white)	Clear Polycarbonate	Circular
<b>BPA-4UNG-3NNN-VGF</b>	3,100	25	124	230-240VAC	4000K (neutral white)	Clear Polycarbonate	Ultra-Wide (Type 1)
<b>BPA-4UNG-6NNN-VGF</b>	6,200	48	129	230-240VAC	4000K (neutral white)	Clear Polycarbonate	Ultra-Wide (Type 1)
BPA-4BAG-5NNN-VGF	4,200	49	86	230-240VAC	Amber	Clear Polycarbonate	Circular
BPA-4UAG-5NNN-VGF	4,000	49	82	230-240VAC	Amber	Clear Polycarbonate	Ultra-Wide (Type 1)
<b>BPA-6BGG-3NNN-VGG</b>	2,600	33	79	230-240VAC	Green	Domed Diffused	Circular
<b>Pole Mount Battery Backup Models - 44mm Spigot Entry</b>							
<b>BZA-4UNG-6NNN-VGF</b>	6,200	48	129	230-240VAC	4000K (neutral white)	Clear Polycarbonate	Ultra-Wide (Type 1)

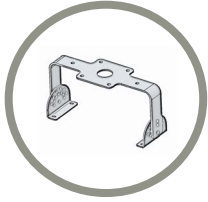
### Zone 2, 22 or Zone 21

<b>Pole Mount Models</b>							
BPB-4BC2-3NNN-VGN	3,200	22	149	100-277VAC / 120-250VDC	5000K (cool white)	Clear Polycarbonate	Circular
BPB-4BC2-6NNN-VGN	6,700	45	149	100-277VAC / 120-250VDC	5000K (cool white)	Clear Polycarbonate	Circular
BPB-4UC2-3NNN-VGN	3,100	22	144	100-277VAC / 120-250VDC	5000K (cool white)	Clear Polycarbonate	Ultra-Wide (Type 1)
BPB-4UC2-6NNN-VGN	6,400	45	142	100-277VAC / 120-250VDC	5000K (cool white)	Clear Polycarbonate	Ultra-Wide (Type 1)
BPB-4BN2-3NNN-VGN	3,200	22	149	100-277VAC / 120-250VDC	4000K (neutral white)	Clear Polycarbonate	Circular
BPB-4BN2-6NNN-VGN	6,700	45	149	100-277VAC / 120-250VDC	4000K (neutral white)	Clear Polycarbonate	Circular
BPB-4UN2-3NNN-VGN	3,100	22	144	100-277VAC / 120-250VDC	4000K (neutral white)	Clear Polycarbonate	Ultra-Wide (Type 1)
<b>BPB-4UN2-6NNN-VGN</b>	6,400	45	142	100-277VAC / 120-250VDC	4000K (neutral white)	Clear Polycarbonate	Ultra-Wide (Type 1)
BPB-4BA2-5NNN-VGN	4,200	46	91	100-277VAC / 120-250VDC	Amber	Clear Polycarbonate	Circular
BPB-4UA2-5NNN-VGN	3,900	46	85	100-277VAC / 120-250VDC	Amber	Clear Polycarbonate	Ultra-Wide (Type 1)
<b>Pole Mount Battery Backup Models</b>							
BPB-4BCG-3NNN-VGF	3,200	25	128	230-240VAC	5000K (cool white)	Clear Polycarbonate	Circular
BPB-4BCG-6NNN-VGF	6,700	48	140	230-240VAC	5000K (cool white)	Clear Polycarbonate	Circular
BPB-4UCG-3NNN-VGF	3,100	25	124	230-240VAC	5000K (cool white)	Clear Polycarbonate	Ultra-Wide (Type 1)
BPB-4UCG-6NNN-VGF	6,400	48	133	230-240VAC	5000K (cool white)	Clear Polycarbonate	Ultra-Wide (Type 1)
BPB-4BNG-3NNN-VGF	3,200	25	128	230-240VAC	4000K (neutral white)	Clear Polycarbonate	Circular
BPB-4BNG-6NNN-VGF	6,700	48	140	230-240VAC	4000K (neutral white)	Clear Polycarbonate	Circular
BPB-4UNG-3NNN-VGF	3,100	25	124	230-240VAC	4000K (neutral white)	Clear Polycarbonate	Ultra-Wide (Type 1)
<b>BPB-4UNG-6NNN-VGF</b>	6,400	48	133	230-240VAC	4000K (neutral white)	Clear Polycarbonate	Ultra-Wide (Type 1)
BPB-4BAG-5NNN-VGF	4,200	49	86	230-240VAC	Amber	Clear Polycarbonate	Circular
BPB-4UAG-5NNN-VGF	3,900	49	80	230-240VAC	Amber	Clear Polycarbonate	Ultra-Wide (Type 1)
BPB-6BGG-3NNN-VGG	2,600	33	79	230-240VAC	Green	Domed Diffused	Circular

All values typical unless otherwise stated (tolerance +/- 10%). Part numbers listed in **bold** are typically available in stock. 2700k models available on request. 44mm spigot entry option available

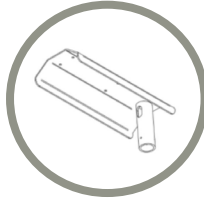


### Accessories



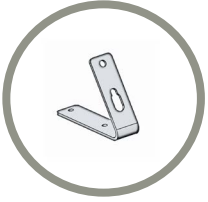
**BH-BRKT-SS-ADJ**

- 316 stainless steel adjustable bracket kit



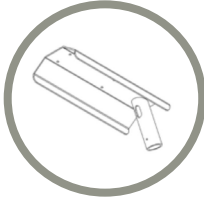
**BH-STMB-05-10-HD**

- Aluminium stanchion mount, 5° up-tilt - 50mm pole



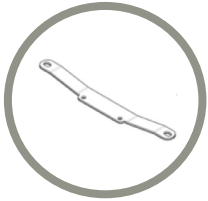
**BH-BRKT-A-KIT**

- 316 stainless steel wall/ceiling flush mount bracket kit



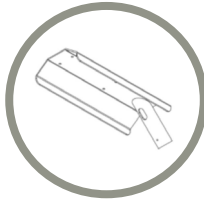
**BH-STMB-25-10-HD**

- Aluminium stanchion mount, 25° up-tilt - 50mm pole



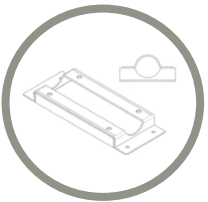
**BH-BRKT-F-KIT**

- 316 stainless steel wall/ceiling flush mount bracket kit



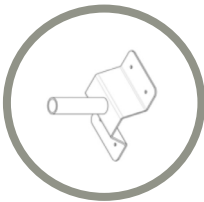
**BH-STMB-45-10-HD**

- Aluminium stanchion mount, 45° up-tilt - 50mm pole



**BH-BRKT-LG-PF**

- Aluminium pipe mount bracket kit - 50mm



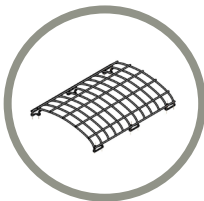
**HZX-SPIGOT-34**

- Aluminium wall mount spigot plate - 34mm



**H6XCAB72**

- 72" stainless steel safety rope



**BH-WG-KIT**

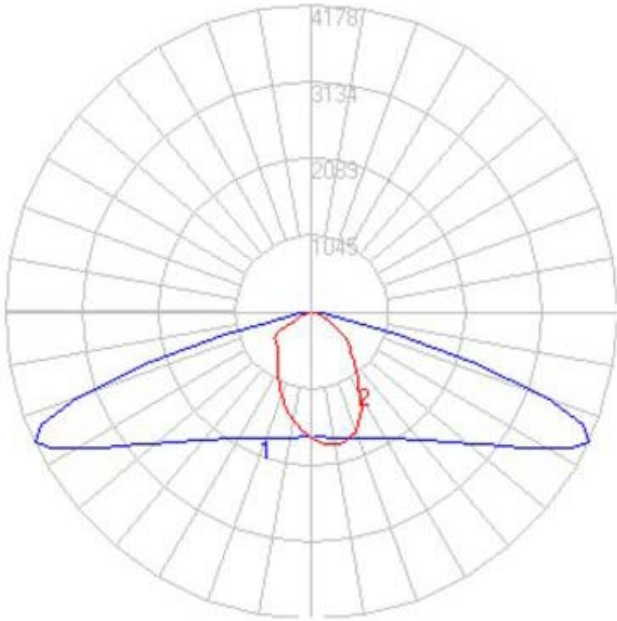
- Stainless steel wire guard kit

SafeSite Replacement Parts	
Part Number	Description
BHPSAG3BN	Driver Replacement Kit 230VAC 350mA Battery Backup (3,000lm) - White LED Models
BHPSAG6BN	Driver Replacement Kit 230VAC 750mA Battery Backup (6,500lm) - White LED Models
BHPSA23NN	Driver Replacement Kit 100-277VAC 350mA (3,000lm) - White LED Models
BHPSA26NN	Driver Replacement Kit 100-277VAC 750mA (6,500lm) - White LED Models
BHPSAG3BNA	Driver Replacement Kit 230VAC 430mA Battery Backup (3,000lm) - Amber LED Models
BHPSAG5BNA	Driver Replacement Kit 230VAC 860mA Battery Backup (5,000lm) - Amber LED Models
BHPSA23NNA	Driver Replacement Kit 100-277VAC 430mA (3,000lm) - Amber LED Models
BHPSA25NNA	Driver Replacement Kit 100-277VAC 860mA (5,500lm) - Amber LED Models
BHPSAG3BNG	Driver Replacement Kit 100-277VAC 430mA (2,600lm) - Green LED Models
BHBATTKIT	Battery Replacement Kit (Vigilant & SafeSite)

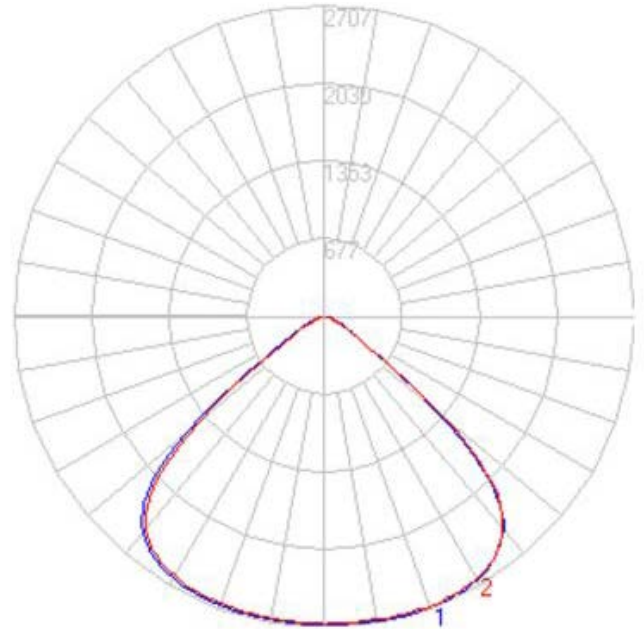
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## Beam Distribution - Zone 1

Ultra-Wide Walkway (Type 1) - Clear

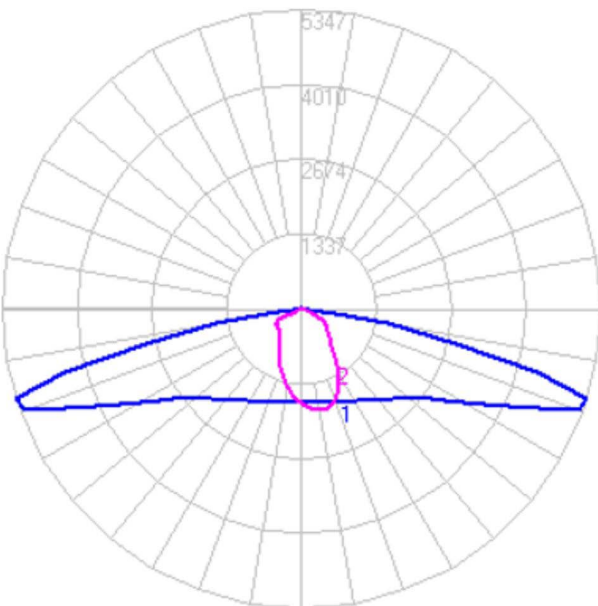


Circular - Clear

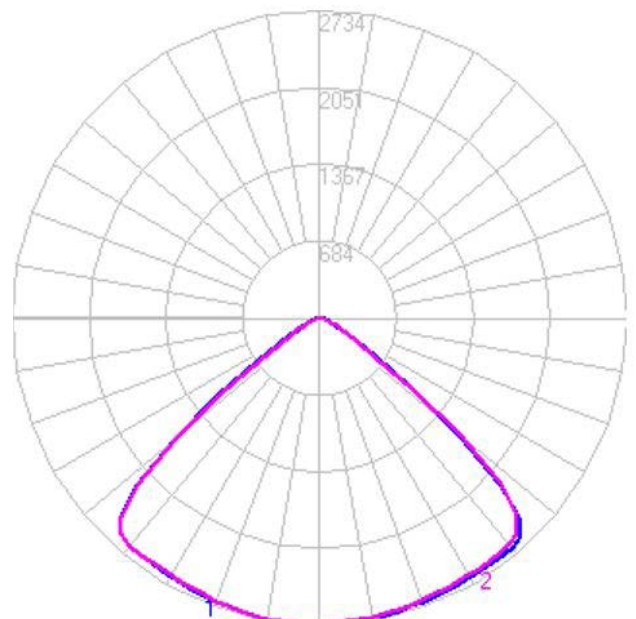


## Beam Distribution - Zone 2

Ultra-Wide Walkway (Type 1) - Clear

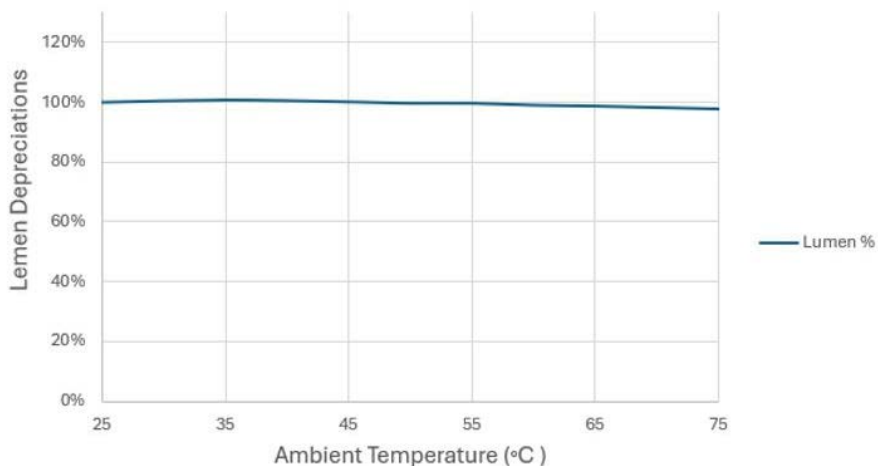


Circular - Clear



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## Thermal Roll-Off



## Inrush Current

Inrush Current						
Duration (T50), 0.4ms						
Supply Voltage (VAC)		100	120	230	240	277
Peak Inrush Current (Apk)		6.40	7.70	14.80	15.40	17.80

Ground Leakage						
Supply Voltage (VAC)		100	120	230	240	277
Ground Leakage Current (mA)		0.40	0.50	0.80	0.83	1.00

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# Lumen Maintenance Factor

Vigilant Bulkhead 6,500lm								
Ambient Temperature	Hours							
	0	15000	30000	45000	60000	75000	90000	100000
25°C	100%	98%	96%	95%	93%	92%	90%	90%
30°C	100%	98%	96%	95%	93%	92%	90%	90%
35°C	100%	98%	96%	95%	93%	92%	90%	90%
40°C	100%	98%	96%	95%	93%	92%	90%	90%
45°C	100%	98%	96%	95%	93%	92%	90%	90%
50°C	100%	97%	96%	95%	93%	92%	90%	89%
55°C	100%	97%	96%	95%	93%	92%	90%	89%
60°C	99%	97%	95%	94%	93%	91%	90%	89%
65°C	99%	97%	95%	94%	92%	91%	89%	89%

Based on 9,000 hour LM80 data

Vigilant Bulkhead 3,000lm								
Ambient Temperature	Hours							
	0	15000	30000	45000	60000	75000	90000	100000
25°C	100%	98%	96%	95%	93%	92%	90%	90%
30°C	100%	98%	96%	95%	93%	92%	90%	90%
35°C	100%	98%	96%	95%	93%	92%	90%	90%
40°C	100%	98%	96%	95%	93%	92%	90%	90%
45°C	100%	98%	96%	95%	93%	92%	90%	90%
50°C	100%	97%	96%	95%	93%	92%	90%	89%
55°C	100%	97%	96%	95%	93%	92%	90%	89%
60°C	99%	97%	95%	94%	93%	91%	90%	89%
65°C	99%	97%	95%	94%	92%	91%	89%	89%

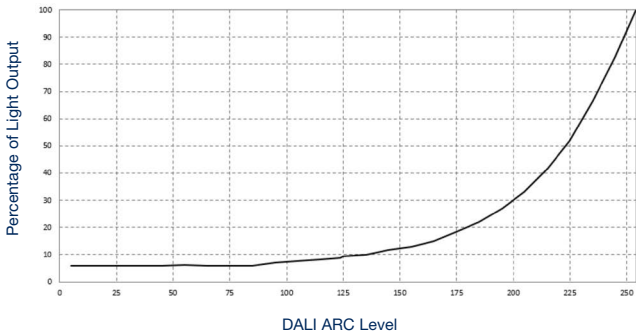
Based on 9,000 hour LM80 data

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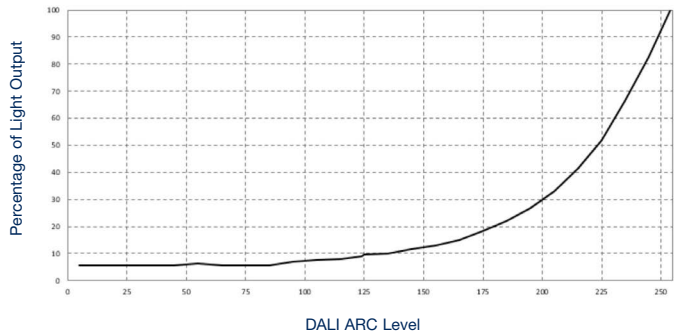
# Dimming Curves

## DALI Dimming

6,500lm

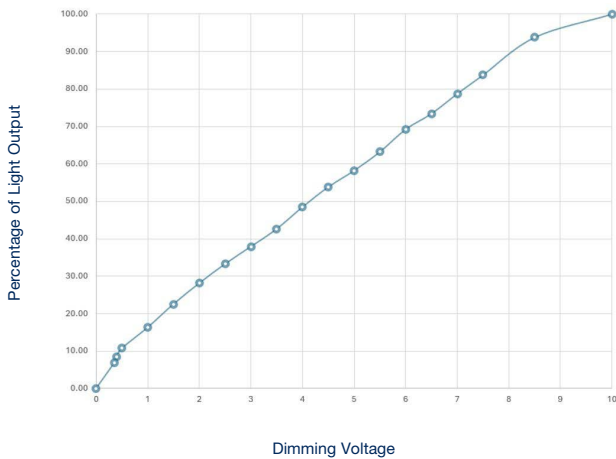


3,000lm

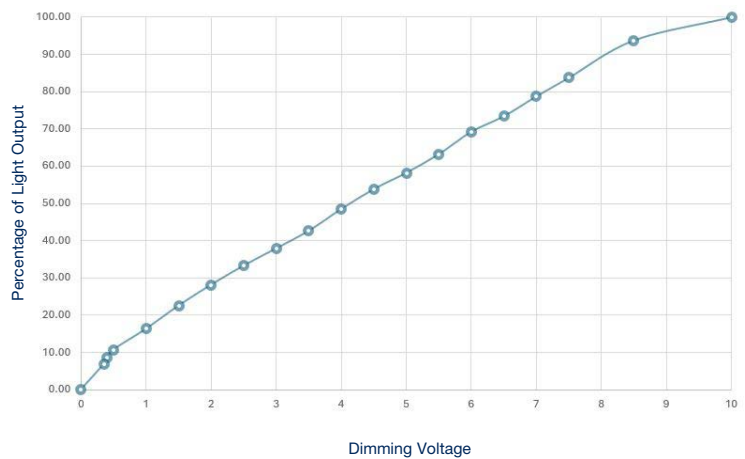


## 0-10V Dimming

6,500lm



3,000lm



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