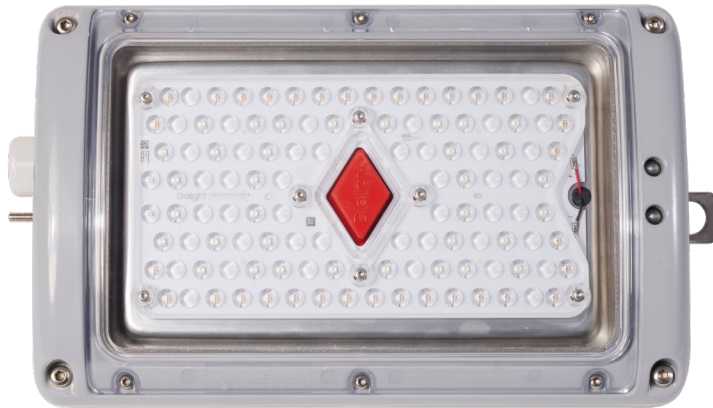


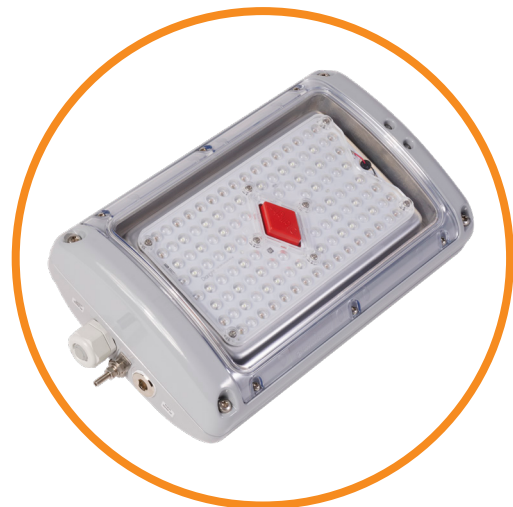


Dialight SafeSite® LED Bulkhead

Technical Specification Sheet - Americas

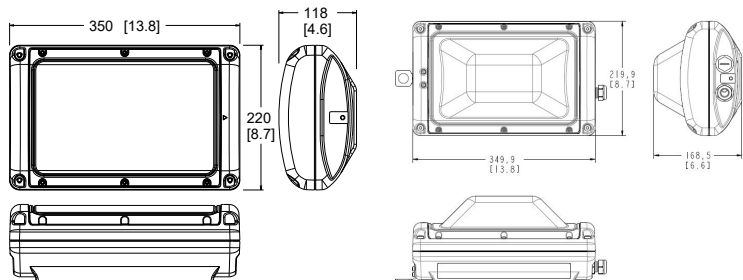
SafeSite® LED Bulkhead

Standard Model



Certifications & Ratings

- 10 year warranty (excluding battery)
- UL 844 / CSA C22.2 No. 137
 - Class I, Division 2 (Groups A, B, C, D)
 - Class I, Zone 2 (Groups IIC)
 - Class II, Division 2 (Groups F, G)
 - Zone 22
 - Class III
- IECEx Zone 2, 22
 - Ex eb mb IIC T4 Gb
 - Ex tb IIC T130°C Db
 - Ex ec IIC T4 Gc
 - Ex tc IIC T130°C Dc
- Ta = -40°C to +65°C for standard models
- Ta = -20°C to +55°C for battery backup models
- IP66/67, NEMA 4X
- IK10
- L70>150,000 hours @ 65°C (149°F)



Dimensions in mm (inches)

Mechanical Information:

Fixture weights:	
Standard models:	15.0 lb (6.8 kg)
Battery backup models:	17 lb (7.7kg)
Shipping weights:	
Standard models:	16.1 lb (7.3 kg)
Battery backup models:	18.5 lb (8.4 kg)
Cable entry:	(2) 3/4" NPT - optional (4) 3/4" NPT
Materials:	
Housing:	A360 Die-cast aluminium
Finish:	Superior dual coat finish - Sealed polyester topcoat - Epoxy primer
Lens:	Polycarbonate clear Polycarbonate diffused (optional) Polycarbonate domed diffused
Hardware:	316 Stainless Steel

Electrical Specifications:

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

Battery Backup Models: (integrated battery)

Lumen Output in BB mode: (5000k, Type V):	
	180 mins ~ 900 lm
	90 mins ~ 1100 lm
	60 mins ~ 1140 lm

Photometric Information:

CRI:	> 80 (white light)
CCT:	5000K (cool white) 4000K (neutral white) 2700K (warm white) Amber Green

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

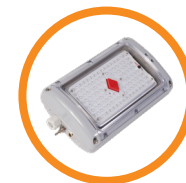
Temperature Ratings

Ambient Temp. Range T4	Ambient Temp. Range T4A
-40°C to +65°C (-40°F to +149°F)	-40°C to +55°C (-40°F to +131°F)

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.

Ordering Information

SafeSite® LED Bulkhead



CID2/Zone 2

Part Number	Fixture Lumens	Wattage	lm/W	Voltage	CCT/CRI	Lens	Beam Distribution
Standard Models with Flush Mounting Bracket							
BHQ4BC26NFAVGN	6,700	45	149	100-277VAC	5000K 80CRI	Clear Polycarbonate	Type V (Circular)
BHQ4BN26NFAVGN	6,700	45	149	100-277VAC	4000K 80CRI	Clear Polycarbonate	Type V (Circular)
BHQ4UC26NFAVGN	6,400	45	142	100-277VAC	5000K 80CRI	Clear Polycarbonate	Type I (Walkway)
BHQ4UN26NFAVGN	6,400	45	142	100-277VAC	4000K 80CRI	Clear Polycarbonate	Type I (Walkway)
Amber LED Standard Models with Flush Mounting Bracket							
BHQ4BA25NFAVGN	4,200	46	91	100-277VAC	Amber	Clear Polycarbonate	Type V (Circular)
BHQ4UA25NFAVGN	3,900	46	85	100-277VAC	Amber	Clear Polycarbonate	Type I (Walkway)
Green LED Standard Models with Flush Mounting Bracket							
BHQ4BG23NFAVGN	2,900	27	107	100-277VAC	Green	Clear Polycarbonate	Type V (Circular)
BHQ4UG23NFAVGN	2,800	27	104	100-277VAC	Green	Clear Polycarbonate	Type I (Walkway)
For Eyewash/Safety Shower Stations - Green LED Standard Models with Flush Mounting Bracket							
BHQ6BG23NFAVGN	2,600	27	96	100-277VAC	Green	Domed Diffused PC	Type V (Circular)
Part Number	Fixture Lumens	Wattage	lm/W	Voltage	CCT/CRI	Lens	Beam Distribution
Battery Backup Models with Flush Mounting Bracket							
BHQ4BC26NFAVGF	6,700	48	140	100-277VAC	5000K 80CRI	Clear Polycarbonate	Type V (Circular)
BHQ4BN26NFAVGF	6,700	48	140	100-277VAC	4000K 80CRI	Clear Polycarbonate	Type V (Circular)
BHQ4UC26NFAVGF	6,400	48	133	100-277VAC	5000K 80CRI	Clear Polycarbonate	Type I (Walkway)
BHQ4UN26NFAVGF	6,400	48	133	100-277VAC	4000K 80CRI	Clear Polycarbonate	Type I (Walkway)
Amber LED Battery Backup Models with Flush Mounting Bracket							
BHQ4BA25NFAVGF	4,200	49	86	100-277VAC	Amber	Clear Polycarbonate	Type V (Circular)
BHQ4UA25NFAVGF	3,900	49	80	100-277VAC	Amber	Clear Polycarbonate	Type I (Walkway)
Green LED Battery Backup Models with Flush Mounting Bracket							
BHQ4BG23NFAVGF	2,900	33	88	100-277VAC	Green	Clear Polycarbonate	Type V (Circular)
BHQ4UG23NFAVGF	2,800	33	85	100-277VAC	Green	Clear Polycarbonate	Type I (Walkway)
For Eyewash/Safety Shower Stations - Green LED Standard Models with Flush Mounting Bracket							
BHQ6BG23NFAVGF	2,600	33	79	100-277VAC	Green	Domed Diffused PC	Type V (Circular)

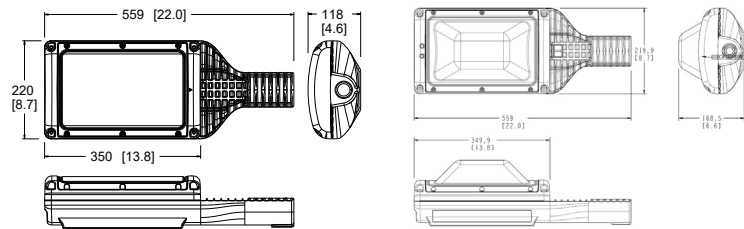
All values typical unless otherwise stated (tolerance +/-10%).
For 2700k (warm White CCT, change 6th character to 'W'.

SafeSite® LED Bulkhead Pole Mount Model



Certifications & Ratings

- 10 year warranty (excluding battery)
- UL 844 / CSA C22.2 No. 137
 - Class I, Division 2 (Groups A, B, C, D)
 - Class I, Zone 2 (Groups IIC)
 - Class II, Division 2 (Groups F, G)
 - Zone 22
 - Class III
- IECEx Zone 2, 22
 - Ex eb mb IIC T4 Gb
 - Ex tb IIC T130°C Db
 - Ex ec IIC T4 Gc
 - Ex tc IIC T130°C Dc
- Ta = -40°C to +65°C for standard models
- Ta = -20°C to +55°C for battery backup models
- IP66/67, NEMA 4X
- IK10
- L70>150,000 hours @ 65°C (149°F)



Dimensions in mm (inches)

Mechanical Information:

Fixture weights:	
Standard models:	17.4 lb (7.9 kg)
Battery backup models:	19.4 lb (8.8 kg)
Shipping weights:	
Standard models:	18.5 lb (8.4 kg)
Battery backup models:	20.5 lb (9.3 kg)
Cable entry:	(1) 3/4" NPT
Pole entry size:	1.38" ID (DN25 or 1" pipe) Optional: 1.73" ID (DN32 or 1-1/4" pipe)

Materials:

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

Electrical Specifications:

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

Battery Backup Models: (integrated battery)

Lumen Output in BB mode: (5000k, Type V):	
	180 mins ~ 900 lm
	90 mins ~ 1100 lm
	60 mins ~ 1140 lm

Photometric Information:

CRI:	> 80 (white light)
CCT:	5000K (cool white) 4000K (neutral white) 2700K (warm white) Amber Green

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

Temperature Ratings

Ambient Temp. Range T4	Ambient Temp. Range T4A
-40°C to +65°C (-40°F to +149°F)	-40°C to +55°C (-40°F to +131°F)

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.

Ordering Information

SafeSite® LED Bulkhead - Pole Mount

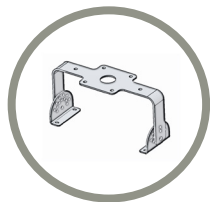


CID2/Zone 2

Part Number	Fixture Lumens	Wattage	lm/W	Voltage	CCT/CRI	Lens	Beam Distribution
Pole Mount Models							
BPQ4BC26NNAVGN	6,700	45	149	100-277VAC	5000K 80CRI	Clear Polycarbonate	Type V (Circular)
BPQ4BN26NNAVGN	6,700	45	149	100-277VAC	4000K 80CRI	Clear Polycarbonate	Type V (Circular)
BPQ4UC26NNAVGN	6,400	45	142	100-277VAC	5000K 80CRI	Clear Polycarbonate	Type I (Walkway)
BPQ4UN26NNAVGN	6,400	45	142	100-277VAC	4000K 80CRI	Clear Polycarbonate	Type I (Walkway)
Amber LED Pole Mount Models							
BPQ4BA25NNAVGN	4,200	46	91	100-277VAC	Amber	Clear Polycarbonate	Type V (Circular)
BPQ4UA25NNAVGN	3,900	46	85	100-277VAC	Amber	Clear Polycarbonate	Type I (Walkway)
Green LED Pole Mount Models							
BPQ4BG23NNAVGN	2,900	27	107	100-277VAC	Green	Clear Polycarbonate	Type V (Circular)
BPQ4UG23NNAVGN	2,800	27	104	100-277VAC	Green	Clear Polycarbonate	Type I (Walkway)
For Eyewash/Safety Shower Stations - Green LED Pole Mount Models							
BPQ6BG23NNAVGN	2,600	27	96	100-277VAC	Green	Domed Diffused PC	Type V (Circular)
Part Number	Fixture Lumens	Wattage	lm/W	Voltage	CCT/CRI	Lens	Beam Distribution
Pole Mount Battery Backup Models							
BPQ4BC26NNAVGF	6,700	48	140	100-277VAC	5000K 80CRI	Clear Polycarbonate	Type V (Circular)
BPQ4BN26NNAVGF	6,700	48	140	100-277VAC	4000K 80CRI	Clear Polycarbonate	Type V (Circular)
BPQ4UC26NNAVGF	6,400	48	133	100-277VAC	5000K 80CRI	Clear Polycarbonate	Type I (Walkway)
BPQ4UN26NNAVGF	6,400	48	133	100-277VAC	4000K 80CRI	Clear Polycarbonate	Type I (Walkway)
Amber LED Pole Mount Battery Backup Models							
BPQ4BA25NNAVGF	4,200	49	86	100-277VAC	Amber	Clear Polycarbonate	Type V (Circular)
BPQ4UA25NNAVGF	3,900	49	80	100-277VAC	Amber	Clear Polycarbonate	Type I (Walkway)
Green LED Pole Mount Battery Backup Models							
BPQ4BG23NNAVGF	2,900	33	88	100-277VAC	Green	Clear Polycarbonate	Type V (Circular)
BPQ4UG23NNAVGF	2,800	33	85	100-277VAC	Green	Clear Polycarbonate	Type I (Walkway)
For Eyewash/Safety Shower Station - Green LED Pole Mount Battery Backup Models							
BPQ6BG23NNAVGF	2,600	33	79	100-277VAC	Green	Domed Diffused PC	Type V (Circular)

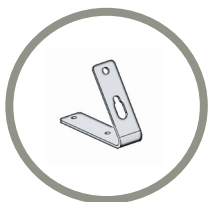
All values typical unless otherwise stated (tolerance +/-10%).
For 2700k (warm White CCT, change 6th character to 'W').
1.73" - (DN32) pole entry models available.

Accessories



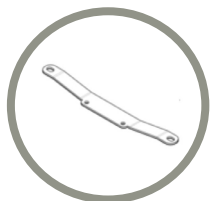
BH-BRKT-SS-ADJ

- 316 stainless steel adjustable bracket kit



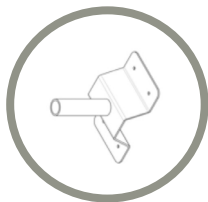
BH-BRKT-A-KIT

- 316 stainless steel wall/ceiling flush mount bracket kit



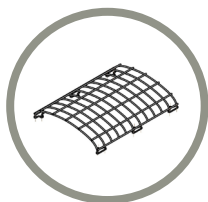
BH-BRKT-F-KIT

- 316 stainless steel wall/ceiling flush mount bracket kit



HZX-SPIGOT-34

- Aluminium wall mount spigot plate - 34mm (for use with 1.38" pole mount)



BH-WG-KIT

- Stainless steel wire guard kit

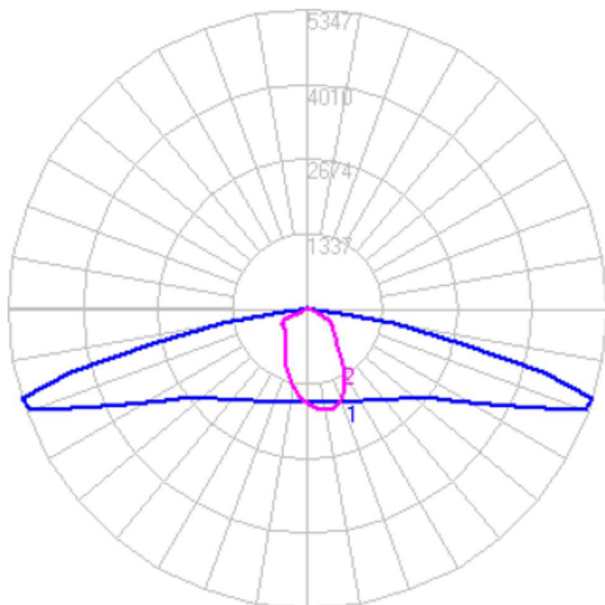


H6XCAB72

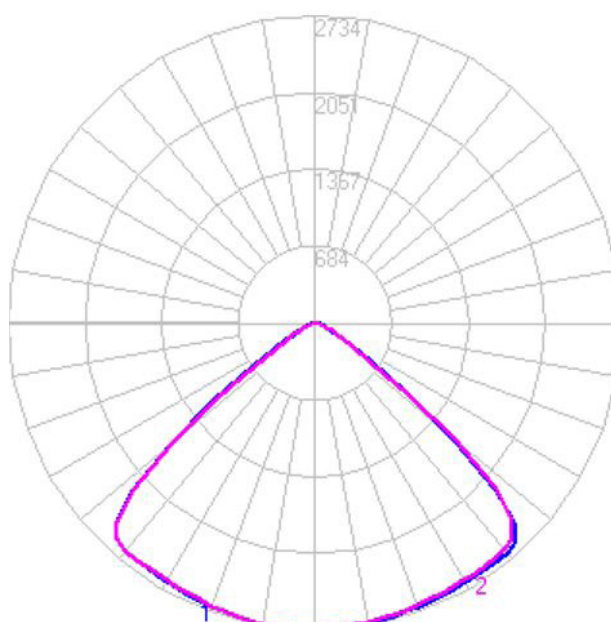
- 72" stainless steel safety rope

Beam Distribution

Type I

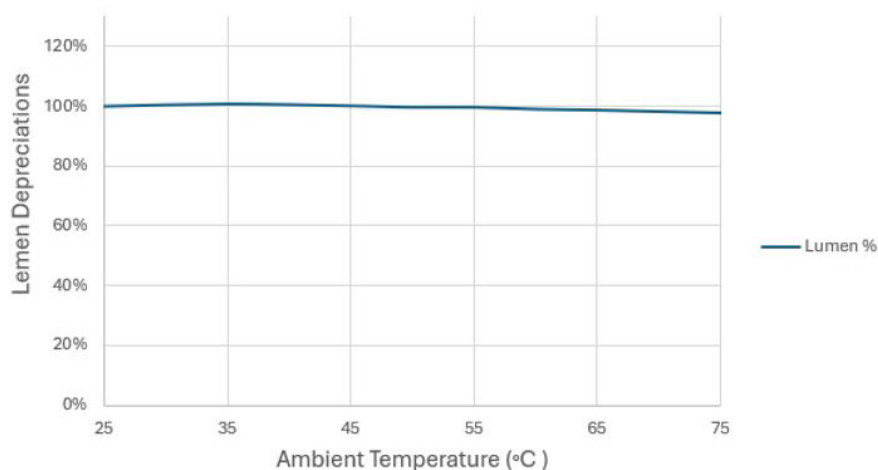


Type V



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 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 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, the latter shall prevail.

Thermal Roll-Off



Inrush Current

Inrush Current						
Duration (T50), 0.4ms						
Supply Voltage (VAC)		100	120	230	240	277
Peak Inrush Current (A _{pk})		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

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 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 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, the latter shall prevail.

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

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 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 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, the latter shall prevail.

