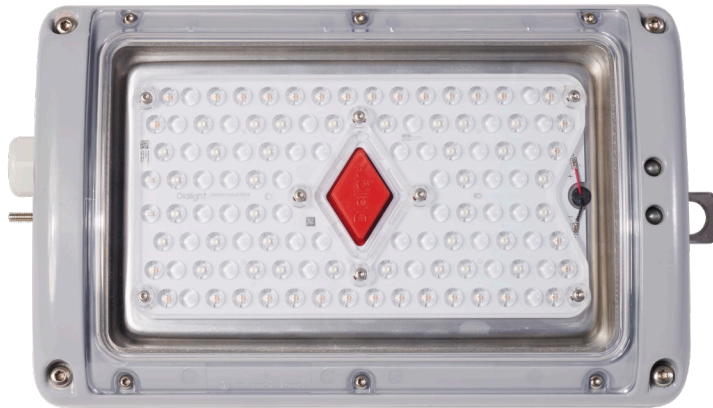


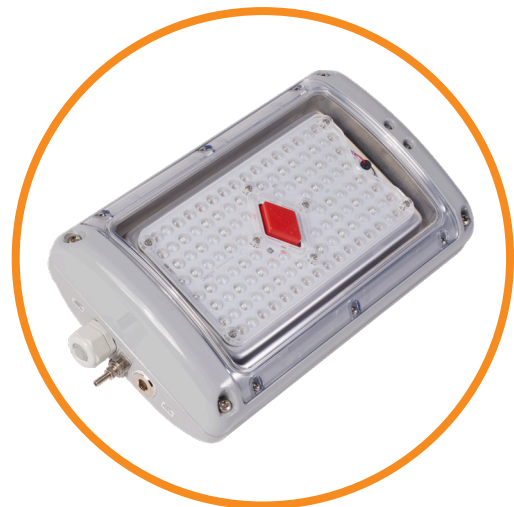


Dialight SafeSite® LED Bulkhead

Technical Specification Sheet - Americas

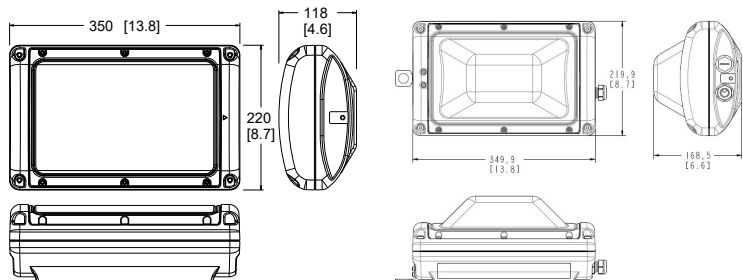
SafeSite® LED Bulkhead

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)

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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)

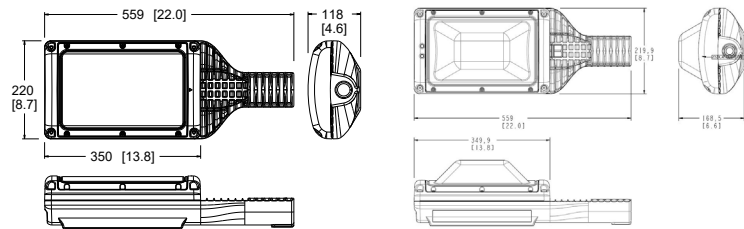
All values typical unless otherwise stated (tolerance +/-10%).
For 2700k (warm White CCT, change 6th character to 'W'.

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)

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Ordering Information

SafeSite® LED Bulkhead - Pole Mount

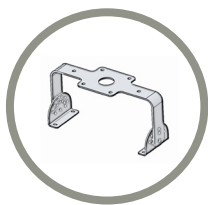


CID2/Zone 2

Part Number	Fixture Lumens	Wattage	lm/W	Voltage	CCT/CRI	Lens	Beam Distribution
Pole Mount Models							
BPQ4BC26NNAVG	6,700	45	149	100-277VAC	5000K 80CRI	Clear Polycarbonate	Type V (Circular)
BPQ4BN26NNAVG	6,700	45	149	100-277VAC	4000K 80CRI	Clear Polycarbonate	Type V (Circular)
BPQ4UC26NNAVG	6,400	45	142	100-277VAC	5000K 80CRI	Clear Polycarbonate	Type I (Walkway)
BPQ4UN26NNAVG	6,400	45	142	100-277VAC	4000K 80CRI	Clear Polycarbonate	Type I (Walkway)
Amber LED Pole Mount Models							
BPQ4BA25NNAVG	4,200	46	91	100-277VAC	Amber	Clear Polycarbonate	Type V (Circular)
BPQ4UA25NNAVG	3,900	46	85	100-277VAC	Amber	Clear Polycarbonate	Type I (Walkway)
Green LED Pole Mount Models							
BPQ4BG23NNAVG	2,900	27	107	100-277VAC	Green	Clear Polycarbonate	Type V (Circular)
BPQ4UG23NNAVG	2,800	27	104	100-277VAC	Green	Clear Polycarbonate	Type I (Walkway)
For Eyewash/Safety Shower Stations - Green LED Pole Mount Models							
BPQ6BG23NNAVG	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							
BPQ4BC26NNAVG	6,700	48	140	100-277VAC	5000K 80CRI	Clear Polycarbonate	Type V (Circular)
BPQ4BN26NNAVG	6,700	48	140	100-277VAC	4000K 80CRI	Clear Polycarbonate	Type V (Circular)
BPQ4UC26NNAVG	6,400	48	133	100-277VAC	5000K 80CRI	Clear Polycarbonate	Type I (Walkway)
BPQ4UN26NNAVG	6,400	48	133	100-277VAC	4000K 80CRI	Clear Polycarbonate	Type I (Walkway)
Amber LED Pole Mount Battery Backup Models							
BPQ4BA25NNAVG	4,200	49	86	100-277VAC	Amber	Clear Polycarbonate	Type V (Circular)
BPQ4UA25NNAVG	3,900	49	80	100-277VAC	Amber	Clear Polycarbonate	Type I (Walkway)
Green LED Pole Mount Battery Backup Models							
BPQ4BG23NNAVG	2,900	33	88	100-277VAC	Green	Clear Polycarbonate	Type V (Circular)
BPQ4UG23NNAVG	2,800	33	85	100-277VAC	Green	Clear Polycarbonate	Type I (Walkway)
For Eyewash/Safety Shower Station - Green LED Pole Mount Battery Backup Models							
BPQ6BG23NNAVG	2,600	33	79	100-277VAC	Green	Domed Diffused PC	Type V (Circular)

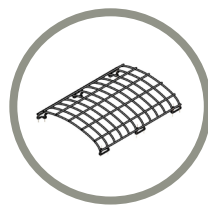
All values typical unless otherwise stated (tolerance +/-10%).
For 2700k (warm White CCT, change 6th character to 'W').
1.73" - (DN32) pole entry models available.

Accessories



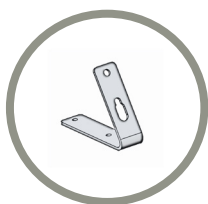
BH-BRKT-SS-ADJ

- 316 stainless steel adjustable bracket kit



BH-WG-KIT

- Stainless steel wire guard kit



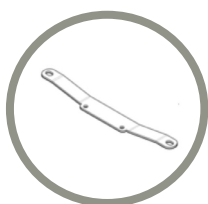
BH-BRKT-A-KIT

- 316 stainless steel wall/ceiling flush mount bracket kit



H6XCAB72

- 72" stainless steel safety rope

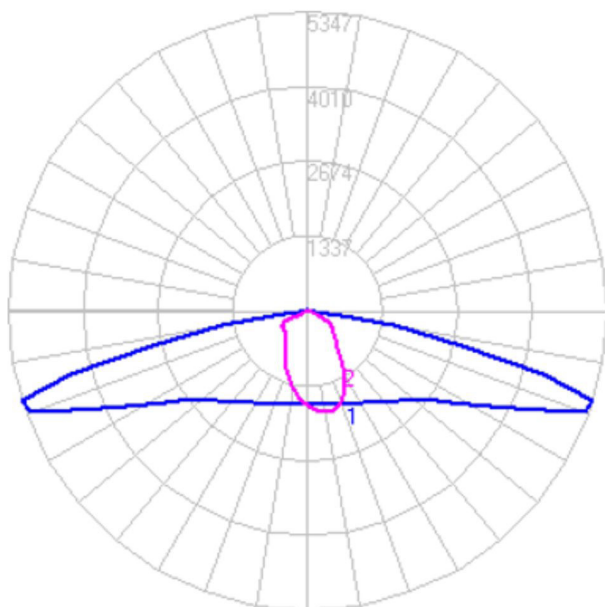


BH-BRKT-F-KIT

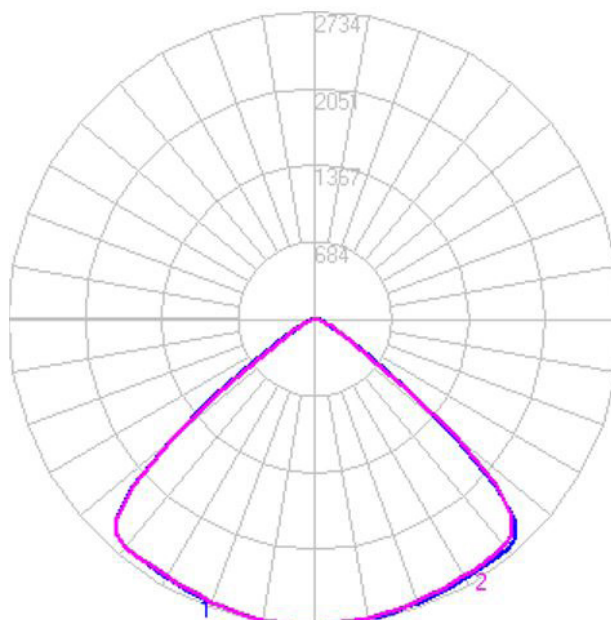
- 316 stainless steel wall/ceiling flush mount bracket kit

Beam Distribution

Type I

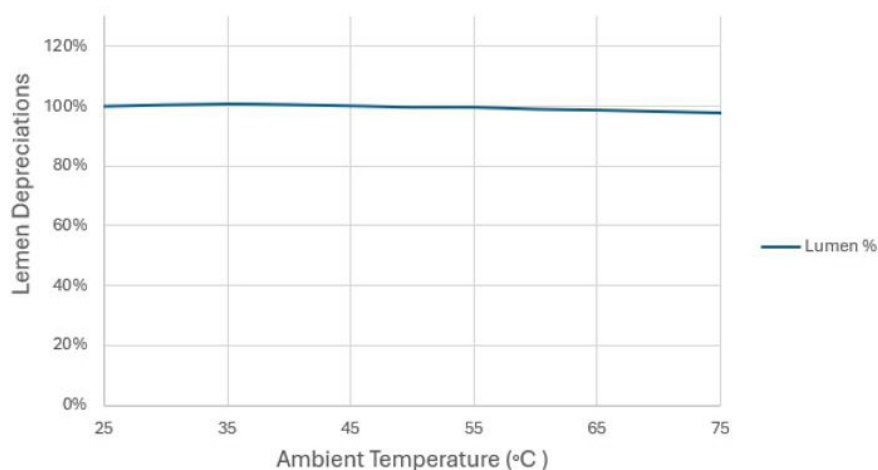


Type V



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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 (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

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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

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