

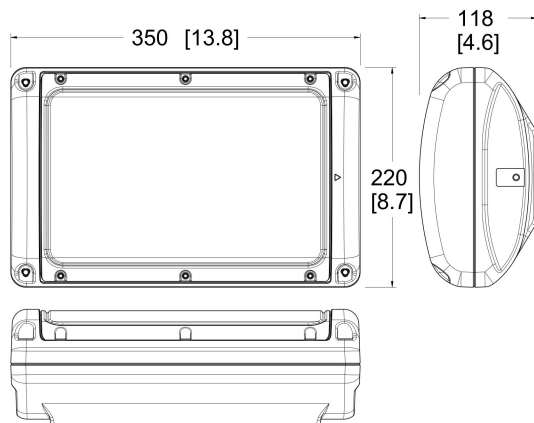
Vigilant® LED Bulkhead

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

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

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Ordering Information

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