355

109

60.8

Specification: Weatherproof (IP65) and robust (IK10) self-contained emergency LED bulkhead. Constant emergency light (1.5W/170lm & 3W/320lm) for 3 hours. Low stand-by power consumption. Self-test versions and remote controls available. Self-adhesive legend available for 20m viewing distance exit sign. Lithium battery integrated. Maintained or non-maintained configurations. Suitable for indoor and outdoor applications such as car parks, distribution centres, storage rooms and sports centres.

LED | Self Test * | IK10 | Emergency Lighting Output 170lm Lumens 1.5W Output | 320lm Lumens 3W Output | 50,000 hrs (LEDs) | IP 65

3 hour | Warranty 5 Years Battery included ** | LIGHTING INDUSTRY ASSOCIATION | CE | RoHS

* Self-test only available on AST and PST versions
** 5 Year Warranty only applicable to MT, AST and PST versions

Key Features

- **Maintained and Non-maintained configurations**
- **Low stand-by power consumption (0.5 W)***
- **Fast battery re-charge (8 hrs)****
- **IP65 cable gland included**
- **Remote control available**

 * Non-maintained mode only

** First battery charge takes up to 16 hours

GRANITE Emergency Bulkhead

Part number	Description	Testing facility	Remote control part number *	Operating temperature	Net weight
BHA1.5-SD	EM LED bulkhead 1.5W 170lm Standard	-	-	0°C ~ 40°C	0.56kg
BHA1.5-AST	EM LED bulkhead 1.5W 170lm AST	Advance Self-Test (AST)	ARC		0.56kg
BHA1.5-PST	EM LED bulkhead 1.5W 170lm PST	Programmable Self-Test (PST)	PRC		
BHA3-AST	EM LED bulkhead 3W 320lm AST	Advance Self-Test (AST)	ARC		0.63kg
BHA3-PST	EM LED bulkhead 3W 320lm PST	Programmable Self-Test (PST)	PRC		0.63kg

* Advance Remote Control (ARC) allows the competent installer to carry out functional tests and/or full duration tests at any time and to check system's status. Please refer to ARC's user guide. In addition to ARC functions the Programmable Remote Control (PRC) allows the competent installer to programme the testing schedule of each emergency luminaire. Please refer to PRC's user guide.

Technical information	1.5W	3W
Input voltage/frequency	220-240V AC 50Hz	
Power consumption		
Maintained	5W(Max.*) 3W	9W(Max.*) 4.5W
Non-maintained	3W(Max.*) 0.5W(standby)	6W(Max.*) 0.5W(standby)
Lumen output		
On mains voltage	170lm	320lm
On emergency mode	170lm	320lm
LEDs Lifetime (L-70)	50,000h	
Discharge duration	3hr	
Wh (maintained standby)	3	4.5
Wh (non-maintained standby)	0.5	
Charge duration	up to 8hrs (first charge up to 16hrs)	
Test facility	SD, AST, PST	
IP rating	IP65	
IK rating	IK10	
Insulation class	II	
Operation temp.	0~40°C	
Storage temp.	0~50°C	

Materials	1.5W	3W
Luminaire housing	Polycarbonate	
Luminaire diffuser	Polycarbonate	
Luminaire bracket	Polycarbonate	
Luminaire legend	N.A.	
Luminaire screws	SUS 316	
Finish	Black Matt, Front smooth	
Colour	White	
Battery type	Li-Ion 3.6V 2500mAh	Li-Ion 3.6V 5000mAh

Logistic information	
Product dimensions (L x W x D)mm	355 x 109 x 60.8 mm
Product Net weight (Kg)	0.56Kg / 0.63Kg
Box dimensions (L x W x D)mm	360 x 112 x 70 mm
Gross weight (Kg)	0.68Kg / 0.74Kg
Quantity of outer carton	15 pcs
Outer carton dimensions(L x W x D)mm	370 x 355 x 355 mm
Outer carton gross weight (Kg)	10.75Kg / 11.7Kg
Quantity per Euro pallet (1200 x 800)	360 pcs
Pallet weight (Kg)	10 Kg

Light Source	
Brand	Everlight
Quantity	12 pcs
CCT	4000K
CRI	>80

Certification	
Safety standard	BS EN 60598-2-22
Certified by	LIA
CE mark	Yes
Factory QMS	ISO9001

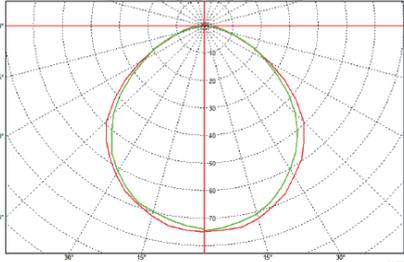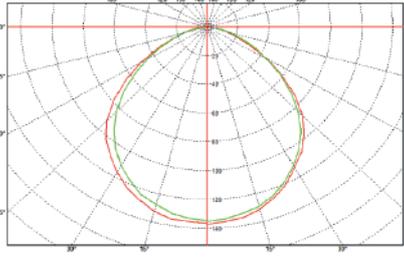* Power consumption only during charging mode

INSTALLATION NOTES

- Surface ceiling or wall mount
- BESA entry drilling template on rear
- IP65 and IK10 rating
- Cable entry to sides, top/bottom and rear (20mm cut-outs)
- Screwless terminal block (SL, L, N)
- Terminal block takes wires up to 3 x 2.5mm²

TESTING FACILITIES

SD (Standard)	Functional and full duration tests must be initiated and carried out manually according to BS EN 50172:2004. This luminaire has an integrated test button for quick functional test.
AST (Advanced Self-Test)	This is a self-test luminaire. Functional test is carried out automatically once a week and runs for 30 seconds. Full duration test is carried out automatically every 52 weeks. First full duration test is carried out automatically within the first 4 weeks after the luminaire being connected to mains voltage. This luminaire can be used in conjunction with the Advanced Remote Control (ARC). ARC is an optional tool that adds extra features to AST emergency luminaires. Please refer to the ARC's user guide.
PST (Programmable Self-Test)	This is a programmable self-test luminaire. It must be used in conjunction with a Programmable Remote Control (PRC). Please refer to PRC's user guide.

SPACING TABLE

Photometric curve	Model Number	Mounting height (m)	Lux level directly under	Anti-panic 0.5 lux				Escape Route 1 lux			
				Transverse to Wall	Transverse to Transverse	Axial to Axial	Axial to Wall	Transverse to Wall	Transverse to Transverse	Axial to Axial	Axial to Wall
	BHA1.5	2.5	15.0	4.0	9.6	9.6	3.9	3.2	8.0	7.8	3.1
		3	11.2	4.3	10.5	10.3	4.2	3.4	8.6	8.4	3.3
		3.5	8.0	4.6	11.3	11.0	4.4	3.5	9.1	8.9	3.4
		4	4.7	4.8	11.9	11.6	4.6	3.5	9.5	9.2	3.4
		4.5	4.1	4.9	12.5	12.1	4.7	3.5	9.8	9.5	3.3
		5	3.4	5.0	12.9	12.6	4.8	3.3	9.9	9.6	3.2
		5.5	2.8	5.0	13.3	12.9	4.8	3.1	10.0	9.6	2.9
		6	2.1	4.9	13.6	13.3	4.8	2.8	9.9	9.5	2.6
		6.5	1.9	4.9	13.9	13.4	4.7	2.3	9.7	9.4	2.1
		7	1.7	4.7	14.0	13.6	4.5	1.5	9.0	9.1	1.3
		7.5	1.5	4.5	14.1	13.6	4.3	-	8.9	8.7	-
		8	1.2	4.2	14.1	13.6	4.0	-	8.4	8.1	-
		8.5	1.1	3.9	14.0	13.5	3.7	-	6.8	6.5	-
		9	1.0	3.4	13.8	13.3	3.2	-	5.4	5.3	-
		9.5	0.9	2.8	13.5	13.1	2.6	-	4.2	4.0	-
		10	0.8	1.9	13.2	12.8	1.6	-	2.6	2.3	-
	BHA3	2.5	27.9	4.6	11.1	11.2	4.6	3.8	9.4	9.3	3.8
		3	21.4	5.0	12.2	12.2	5.0	4.1	10.2	10.0	4.1
		3.5	15.0	5.4	13.3	13.0	5.4	4.4	10.9	10.7	4.3
		4	8.6	5.7	14.0	13.8	5.6	4.5	11.5	11.3	4.5
		4.5	7.4	6.0	14.8	14.5	5.9	4.7	12.1	11.8	4.6
		5	6.2	6.2	15.5	15.2	6.1	4.7	12.5	12.2	4.6
		5.5	5.0	6.4	16.1	15.8	6.3	4.7	12.9	12.5	4.6
		6	3.8	6.5	16.7	16.3	6.4	4.6	13.2	12.8	4.5
		6.5	3.4	6.6	17.2	16.8	6.5	4.5	13.4	13.0	4.4
		7	3.0	6.7	17.7	17.2	6.5	4.3	13.5	13.0	4.2
		7.5	2.5	6.7	18.0	17.6	6.5	4.0	13.5	13.1	4.0
		8	2.1	6.6	18.4	17.8	6.5	3.7	13.4	13.0	3.7
		8.5	2.0	6.5	18.6	18.1	6.4	3.3	13.2	12.8	3.2
		9	1.8	6.4	18.8	18.3	6.3	2.7	13.0	12.6	2.6
		9.5	1.6	6.3	19.0	18.4	6.2	1.9	12.7	12.3	1.6
		10	1.4	6.0	19.1	18.4	5.9	0.0	12.2	11.9	0.0