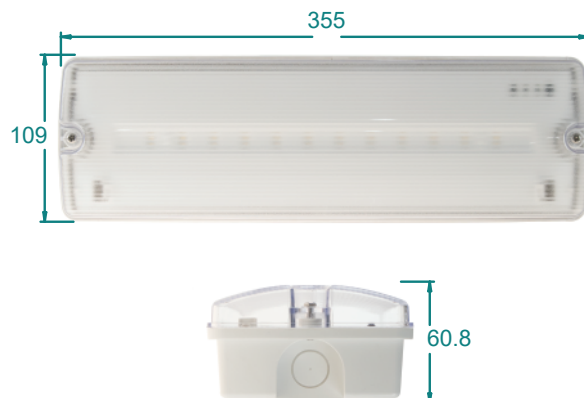


GRANITE Emergency Bulkhead



Specification: Weatherproof (IP65) and robust (IK10) self-contained emergency LED bulkhead. Constant emergency light (3W/350lm) 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 as standard. Maintained, Switch Maintained or non-maintained configurations. Suitable for indoor and outdoor applications such as car parks, distribution centres, storage rooms and sports centres.



* Self-test only available on 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
BHA3-MT	EM LED bulkhead 3W 350lm MT	Manual Test (MT)	-	0°C ~ 40°C	0.485kg
BHA3-AST	EM LED bulkhead 3W 350lm AST	Advance Self-Test (AST)	ARC		
BHA3-PST	EM LED bulkhead 3W 350lm PST	Programmable Self-Test (PST)	PRC		

* 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.

GRANITE Emergency Bulkhead

Technical information

Input voltage/frequency	220-240V AC 50Hz
Power consumption	
Maintained	4.5W(Max)
Non-maintained	0.5W(standby)
Lumen output	
On mains voltage	350lm
On emergency mode	350lm
LEDs Lifetime (L-70)	50,000h
Discharge duration	3 hours
Wh (maintained standby)	4.5
Wh (non-maintained standby)	0.5
Charge duration	up to 8hrs (first charge up to 16hrs)
Test facility	MT, AST, PST
IP rating	IP65
IK rating	IK10
Insulation class	II
Operation temp.	0~40°C
Storage temp.	0~50°C

Light Source

Brand	Everlight
Quantity	12 pcs
CCT	4000K
CRI	>80

Materials

Luminaire housing	Polycarbonate
Luminaire diffuser	Polycarbonate
Luminaire bracket	Polycarbonate
Luminaire legend	N.A.
Luminaire screws	SUS 316
Finish	Back Matt, Front smooth
Colour	White
Battery type	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)	0.485kg
Box dimensions (L x W x D)mm	360 x 112 x 70 mm
Gross weight (Kg)	0.596kg
Quantity of outer carton	16 pc's
Outer carton dimensions(L x W x D)mm	370 x 355 x 355 mm
Outer carton gross weight (Kg)	11.5 kg
Quantity per Euro pallet (1200 x 800)	360 pcs
Pallet weight (Kg)	10 kg

Certification

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









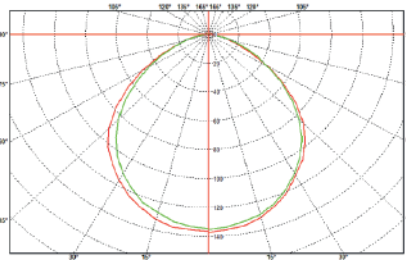
INSTALLATION NOTES

- 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
- Recess kit available (BHA-RK)

TESTING FACILITIES

MT (Manual Test)	This luminaire needs to be tested by a competent person according to BS EN 50172:2004. This luminaire can be used in conjunction with the Advanced Remote Control (ARC). ARC is an optional tool that adds new features to AST and MT emergency luminaires. If functional test or full duration test is initiated via ARC the MT luminaire will automatically switch to mains mode after the functional or full duration test is completed.
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
	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