

IP65 LED Bulkhead and Exit Sign Luminaire

Axiom

The **Axiom** LED bulkhead utilises an IP65 rated polycarbonate base and fresnel lens housing 16 high output white LEDs and constant current maintained drive circuit. The luminaire provides 150 Lumens and the lens generates a wide intensity distribution ideal for providing good illuminance on the escape route. The polycarbonate lens can be fitted with 100mm high, self-adhesive safety signs. A deep (150mm) opal diffuser is also available to provide double sided signage if required.

OPERATION

The **Axiom** LED bulkhead luminaires are available for normal mains lighting or with integral emergency lighting control gear (maintained or non-maintained operation is achieved by connecting or excluding a switched live supply). The 16 white LEDs provide 150 Lumens and NM3 and M3 versions also offer 3 hour emergency lighting duration from integral Nickel Cadmium (NiCd) batteries. As with all ELP maintained luminaires the AX/M3 maintained units can be used for standard switched mains lighting but will automatically provide emergency lighting in the event of a complete loss of normal mains supply.

The benefits of the modern white low power LEDs include long life (typically 50,000hours+), excellent energy efficiency (>100lm/W), low operating temperatures therefore improving the life of the internal batteries and good operation at low ambient temperatures.

The luminaires have been tested and BSI Kitemark Certified to EN60598.2.22 and they are also Certified by United Arab Emirates Ministry of Interior Civil Defense GHQ.

DALI/Self-Test Options:

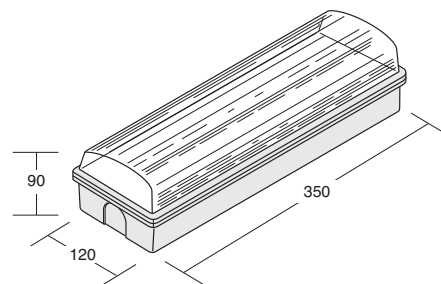
The **Axiom** LED luminaires can be specified with integral DALI/Self-Test gear providing automatic Self-Test in accordance with BSEN62034 or fully interoperable DALI operation when connected to a DALI control system.



Self-Test

GENERAL DETAILS

Product	LED Bulkhead and Exit Sign
Light source	16 x white LEDs (CRI>80)
Luminaire Lumens	150lm (max. without sign legend)
Sign viewing distance	32m (DDS versions)
Construction	White polycarbonate base and clear fresnel lens
Geartray	Hinged white plastic
Dimensions	350mm (L) x 120mm (W) x 90mm (H)
Cable entry	20mm drilling points



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SPECIFICATION

	Maintained	Mains only
Light source	16 x white LEDs	
Colour temperature	4000 to 5000K	
Luminaire lumens (mains)	150lm	150lm
Lumens (emergency)	150lm	—
IP rating	IP65	
Ambient temperature (Ta)	0 to 25°C	
Insulation class	Class II	
Supply voltage	230V ~ 50Hz	
Supply power	3.2W	1.7W
Charge power (typical)	1.2W	—
Battery	1 x 3.6V 1.5Ah NiCd	—
Weight	1.1kg	0.9kg

AXIOM – Emergency Lighting Spacings

Mounting height Hm (m)	Trans. to wall	Trans. to trans.	Axial to trans.	Axial to axial	Axial to wall	
2.5	1.6	5.9	4.3	3.0	1.0	1 Lux min. at centre
4.0	1.1	4.7	3.6	2.6	0.4	
2.5	2.6	8.7	7.2	4.7	1.2	0.5 Lux min. (open)
4.0	1.9	8.5	7.0	4.5	0.6	

ORDER CODES

Description

AX/NM3	Non-Maintained emergency LED bulkhead luminaire
AX/M3	Maintained emergency LED bulkhead luminaire
AX/230	Mains only LED bulkhead luminaire

OPTIONS:	/DALI	DALI or Self-Test emergency operation
	/DDS	Deep Double Sided exit sign diffuser
	/EBAX/RB/KIT	Semi-recessing bezel kit

DDS LEGENDS:	/DDS/ECAR	EC format – Arrow Right/Left (for DDS)
	/DDS/ECAD	EC format – Arrow Down (for DDS)
	/DDS/ISOAR	ISO format – Arrow Right/Left (for DDS)
	/DDS/ISOAU	ISO format – Arrow Up (for DDS)

SELF-ADHESIVE SIGN KITS:	/AX/LEG/KIT/EC	EC format Self-adhesive kit
	/AX/LEG/ISOAR	ISO format Self-adhesive kit – Arrow Right
	/AX/LEG/ISOAL	ISO format Self-adhesive kit – Arrow Left
	/AX/LEG/ISOAU	ISO format Self-adhesive kit – Arrow Up

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Emergency Luminaires