

## 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 90 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 Maintained emergency lighting control gear (non-maintained operation achieved by excluding a switched live supply).

The 16 white LEDs provide 90 Lumens and M3 versions also offer 3 hour emergency lighting duration from integral Nickel Cadmium 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 modern white LEDs are well documented. These devices are very energy efficient and offer very long life (typically 50,000hours +). In addition LEDs will operate at low temperatures (no cold starting problems) and do not create high temperatures therefore improving the life of the internal batteries and making the bulkhead suitable for use in cold stores etc.

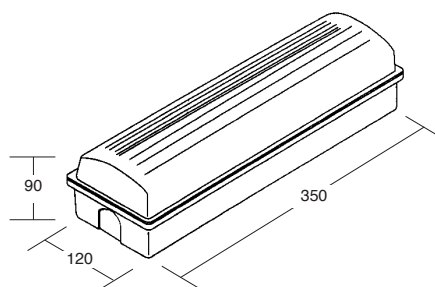
**Axiom** AX bulkheads are ideally suited for a wide range of emergency lighting applications offering 4-5 years of maintenance free operation.

The luminaires fully comply with the requirements of EN60598.2.22 and their low energy consumption assists with compliance with Part L requirements.



### SPECIFICATION

Supply Voltage	230Volt (220-240V) ~ 50Hz
Light source	16 x white LEDs
Supply current	Maintained: 40mA (9.6VA max.) Mains only: 25mA (5.0VA max.)
Cable entry	20mm drilling points (polycarbonate)
Geartray	Hinged white painted steel
IP rating	IP65
Dimensions	350mm (L) x 120mm (W) x 90mm (H)
Weight	1.5 kg (1.6kg with DDS)



# Bulkhead and Exit Sign Luminaires

## FEATURES

- Long life LEDs (50,000 hours)
- Maintenance free operation (battery replacement after 5 years)
- Cool operation (minimal temperature rise caused by LEDs)
- Suitable for use in cold stores (ambient temperatures down to -20°C)
- Low energy (<10Watts operation)
- High light output (120 Lumens; equivalent to 8Watt T5 bulkheads)



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/M3**

Maintained 16 x white LEDs, polycarbonate bulkhead with fresnel lens

**AX/230**

Mains only 16 x white LEDs, polycarbonate bulkhead with fresnel lens

OPTIONS:

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

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

Light Solutions

Unit 73, Western Parkway Business Park, Ballymount Road Lower, Dublin 12, Ireland

Telephone: + 353 1 429 8577 e-mail: info@lightsolutions.ie