

Fusion

The **Fusion** range offers an attractive flush mounting luminaire with an optional lens that accommodates a hanging blade exit legend. The luminaires utilise a polycarbonate body and lens.

Ease of installation is assured due to the adjustable arms that swing out and clamp down onto the supporting surface.

The optional exit panel is moulded with a wedge shape to improve the luminance distribution over the legends. The plain lens seals the recessed enclosure to IP65 (IP21 for EXIT version).

The **Fusion** has been tested to EN60598.2.22 and are listed on the ICEL Product Certification Scheme.

OPERATION

The **Fusion** luminaires utilise 16 x white LEDs with Maintained or mains only operation. (Non-maintained operation is available by excluding a switched live supply). All emergency versions provide 3 hour duration as standard from integral Lithium Iron Phosphate (LiFePO₄) batteries.

Maintained versions 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 hanging blade exit legend panels require a different lens to the plain version and must be ordered as a complete unit.

DALI/Self-Test Options:

The **Fusion** 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.

Fusion luminaires can also be specified with DALI control mains drivers or both DALI mains and DALI Maintained emergency.

NOTE: **Fusion** luminaires can be equipped with **SurePath BLE** Bluetooth addressable Gateway modules or Casambi modules.



GENERAL DETAILS

Product	Bulkhead and Exit Sign
Light source	16 x white LEDs
Luminaire Lumens	>160lm
Sign viewing distance	27m (Blade version)
Construction	Polycarbonate base with optical grade, UV stabilised prism lens
Geartray	Hinged white plastic
Dimensions	See drawings
Cable entry	20mm drilling points (polycarbonate)



FFD/M3/LI



FED/M3/LI/ECAD

Emergency Lighting Products Limited
Parbrook House, Cillmans Industrial Estate,
Natts Lane Billingshurst, West Sussex RH14 9EZ

Telephone: +44 (0) 1403 786601
Fax: +44 (0) 1403 786602
e-mail: sales@elp.uk.com

Safe in the knowledge
elp.uk.com

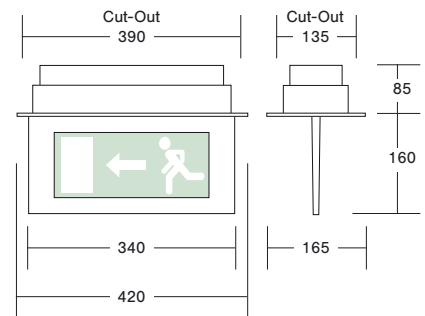
Fusion

SPECIFICATION

	Maintained	Mains only
Light source	16 x white LEDs	
Colour temperature	4500K	
Luminaire lumens (mains)	>160lm	>160lm
Lumens (emergency)	>160lm	–
IP rating	FLUSH: IP65 ta25 EXIT: IP21 ta25	
Ambient temperature (Ta)	0°C to 25°C	
Insulation class	Class II	
Supply voltage	230V ~ 50Hz	
Supply power	3.0W	1.7W
Charge power (typical)	1.2W	–
Battery	3.2V 1.8Ah LiFePO ₄	–
Weight	1.9kg	1.7kg

FUSION – Emergency Lighting Spacings

Mounting height Hm (m)	Trans. to wall	Trans. to trans.	Axial to trans.	Axial to axial	Axial to wall	
2.5	2.0	6.9	6.1	3.6	1.1	1 Lux min. at centre
4.0	1.5	5.7	5.3	3.4	0.5	
2.5	3.4	9.7	8.0	5.2	1.7	0.5 Lux min. (open)
4.0	2.5	9.5	7.8	5.0	1.0	



ORDER CODES

Description

FFD/M3/LI	Maintained 3-hour emergency Flush bulkhead - standard diffuser	
FFD/M3/DA/LI	Maintained 3-hour DALI emergency Flush bulkhead - standard diffuser	
FFD/230	Mains only Flush bulkhead - standard diffuser	
FFD/230D	DALI Mains only Flush bulkhead - standard diffuser	
FED/M3/LI	Maintained 3-hour emergency Flush bulkhead - slotted diffuser to suit blade	
FED/M3/DA/LI	Maintained 3-hour DALI emergency Flush bulkhead - slotted diffuser to suit blade	
FED/230	Mains only Flush bulkhead - slotted diffuser to suit blade	
FED/230D	DALI Mains only Flush bulkhead - slotted diffuser to suit blade	
OPTIONS:	/BT	SurePath BLE Wireless DALI emergency
	/CS	Casambi Wireless DALI emergency
BLADE EXIT LEGENDS:	/BLD/ECAL-R	EC format – Arrow Left/Right
	/BLD/ECAD	EC format – Arrow Down
	/BLD/ISOAL-R	ISO format – Arrow Left/Right
	/BLD/ISOAD	ISO format – Arrow Down
	/BLD/ISOAU	ISO format – Arrow Up

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