



An LED based, IP65 rated, emergency luminaire range comprising two models, a bulkhead and exit sign, both offering low maintenance

- Suitable for escape route and anti-panic (open area) lighting applications
- Long life LED solution
- 3 hour maintained and non maintained LED bulkhead
- 3 hour maintained exit sign features an integrated door illumination panel
- Bulkhead of durable polycarbonate construction
- Bulkheads supplied with an adhesive ISO legend kit and exit sign supplied with down arrow ISO legend

Applications

- Corridor/staircases
- Warehouse/Storage
- Kitchen
- Loading bay
- Meeting rooms
- Utility areas
- Offices
- Toilets
- Lecture Theatre
- Open areas

Emergency legends



Spacing data

2m escape route

Minimum illuminance (lux)	Mounting height (m)	Maximum Spacing (m)			
		Centre to End		Between Centres	
		Trans	Axial	Trans	Axial
1.0	2.5	2.50	2.40	6.85	6.55
	3	2.45	2.30	7.05	6.75

Open area

Minimum illuminance (lux)	Mounting height (m)	Maximum Spacing (m)			
		Centre to End		Between Centres	
		Trans	Axial	Trans	Axial
0.5	2.5	2.40	2.40	7.75	7.65
	3	2.50	2.45	8.25	8.20
	3.5	2.50	2.50	8.65	8.65

Light source - LED
DLOR - 99.0% LOR - 100%

Standards



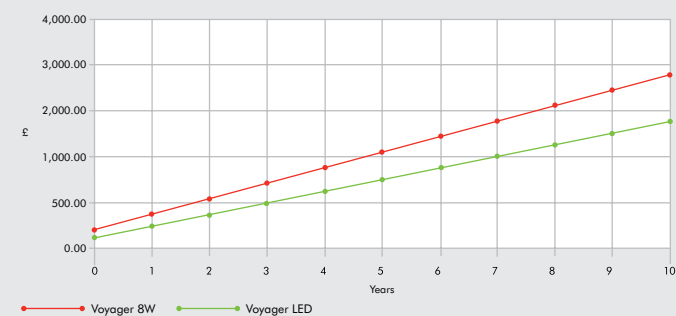
Lamps



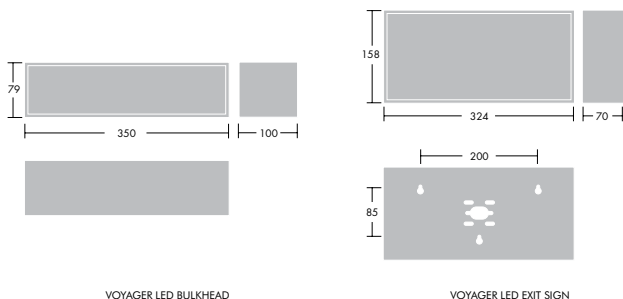
Case Study for comparing a LED emergency bulkhead Vs a 8W T16 emergency bulkhead

The application is a new installation, a 30 metre corridor in an industrial location. Due to the improved spacing for the LED bulkhead then only four fittings are required compared to seven for the 8W versions. As there is a reduction in the number of fittings that require regular test and inspection then over the first year there is a small saving when selecting LED over 8W T16 if this was over a 10 year period, there would be a saving of over £1100.

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
LED	£213.33	£373.33	£533.33	£693.33	£886.67	£1,046.67	£1,206.67	£1,366.67	£1,526.67	£1,686.67
8W	£247.33	£527.33	£807.33	£1,087.33	£1,410.67	£1,690.67	£1,970.67	£2,250.67	£2,530.67	£2,810.67
Savings	£34.00	£154.00	£274.00	£394.00	£524.00	£644.00	£764.00	£884.00	£1,004.00	£1,124.00



Overview



Ordering Guide

Supplied complete with LEDs

Description	Weights (kg)	SAP Code	Cat No.
VOYAGER E LED BULKHEAD E3NM	0.89	96241056	EVBLE3NM
VOYAGER E LED BULKHEAD E3M	0.89	96241057	EVBLE3M
VOYAGER E LED EXIT SIGN BOX*	1.78	96241058	EVELED3M

Legends

VOYAGER LEG EURO UP	96233875	EVBEUU
VOYAGER LEG EURO DOWN	96233876	EVBEUD
VOYAGER LEG EURO LEFT	96233877	EVBEUL
VOYAGER LEG EURO RIGHT	96233878	EVBEUR
VOYAGER LEG ISO UP	96236785	EVBISOU
VOYAGER LEG ISO DOWN	96236786	EVBISOD
VOYAGER LEG ISO LEFT	96236787	EVBISOL
VOYAGER LEG ISO RIGHT	96236788	EVBISOR

* Voyager Exit Sign Box contains the ISO down legend.

Materials/Finish

Bulkhead
 Body: white polycarbonate.
 Diffuser: opal polycarbonate.
 Gear tray: polycarbonate.

Exit sign
 Body/gear tray: white painted steel.
 Panel: polycarbonate

Installation/Mounting

Bulkhead
 Surface with Ø20mm cable entry each end and rear. Drill points for mounting on recessed ceiling or wall boxes including BESA. 3/4 way terminal block 2x1.5mm² or 1x4mm² capacity.

Exit sign
 Wall mounting with Ø20mm cable entry top and rear. Screw fixings (3) on rear. 3/4 way terminal block 2x1.5mm² or 1x4mm² capacity.

Specification

To specify state: Economical self-contained surface IP65 emergency bulkhead for maintained/non-maintained emergency lighting of 3 hour duration, with LED lamp and self adhesive legends.
 As Thorn Voyager E Bulkhead LED

To specify state: Economical wall mounted maintained/maintained 3 hour duration emergency exit sign IP20 with LED lamp, door illumination panel, down arrow ISO legend and epoxy coated mild steel construction.
 As Thorn Voyager E Exit Sign LED