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Pre-Installation Notes

This fitting must be installed by a qualified electrician and wired in accordance with the latest edition of the IEE Electrical Regulations.

Make sure that the 'Incoming Mains Supply' is switched off before working on this luminaire.

Information regarding Part Number, Description, Voltage, Frequency, IP rating and Lumens is shown on the label affixed to the box containing the luminaire.

High voltage insulation test equipment **"Must Not"** be used on luminaires.

The luminaire is suitable for use within ambient temperature ranges of -10°C to +25°C only.

However, particular attention should be paid to the temperature range for Emergency fittings. Installations that regularly drop below 0°C for prolonged periods, particularly when the luminaire is not illuminated are likely to result in a shortened battery life. In such applications regular testing and battery replacement schedule is recommended.

Performance and Warranty

This product is warranted for three years from the date of installation, provided that the installation is carried out within two months of purchase, subject to the following conditions:

- This warranty will only be valid if the fittings have remained unmodified and used as per this instruction leaflet and our literature.
- Fern-Howard Ltd. shall not be liable for any consequential loss or damage caused directly or indirectly by any defective or otherwise.
- Battery packs are guaranteed for 36 months but are expected to have a life of at least four years if used within the specified temperature limits and tested in accordance with the standards in our literature.

Technical Data

Specific data sheets can be downloaded from our website www.fernhoward.com



LED Bulkheads - Installation Instructions



Mini-Max Eco
FH565-



Drake
FHBL165-

IP65 IK10 LED

Nobody but Fern-Howard gives you the same **value for money, quality and range**



IP65 IP44 IP20 IK10 LED Lighting control options Hinged gear tray Photo cell MICRO WAVE SENSOR



Call +44 (0)1420 470 400 email lighting@fernhoward.com or visit www.fernhoward.com

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It is the responsibility of the installer to ensure correct installation. Fern-Howard do not accept any loss or damage to the product, private property and/or persons due to inadequate or incorrect installation. Fern-Howard reserve the right to alter the specifications and/or improve products without prior notice.

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The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.

LED Bulkheads - Installation Instructions Mini-Max Eco, Drake - Large

Standard Wiring
 Brown Live, Blue Neutral, Green/Yellow Earth, Brown Live, Blue Neutral, Black Permanent Live

Emergency Wiring
 Blue Neutral, n/c, Brown Live

5-7mm
0.75-1.5mm²

~ 50/60Hz
Power Factor = 0.9pF
Supply Current = 220-240V

(Only for CCT and/or multi-wattage products)			
Colour temperature setting instructions			
Colour temp (CCT)	2700K	4000K	6500K
DIP switch settings	ON	ON	ON
	1	2	1 2

Wattage setting instructions (MS/CF, EM+MS/CF)				
Wattage	12W	15W	17W	19W
DIP switch settings	ON	ON	ON	ON
	1	2	1 2	1 2

Wattage setting instructions (Standard/EM)			
Wattage	11W	14W	19W
DIP switch settings	ON	ON	ON
	1	2	1 2

Circuit Breaker Type	No. of Products
C10	50
C13	65
C16	80
C20	100
B10	30
B13	39
B16	48
B20	60

SUITABLE FOR LOOPING IN