

INSTALLATION INSTRUCTIONS

DBR Die-Cast IP65 Bulkhead

Product Codes: **DBR18, DBR18E, DBR18PC, DBR18EPC, DBRE18, DBRE18E, DBRE18PC, DBRE18EPC**

Safety Warning



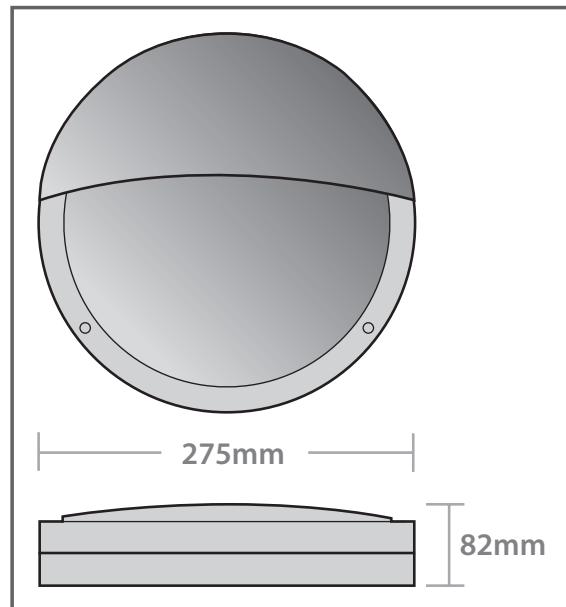
- The installation should be carried out by a qualified electrician in compliance with the current edition of the IEE Wiring Regulations.
- Prior to installation, carry out the necessary risk assessment considering the people who could be at risk, the level of risk and the precautions required to control the risk
- Ensure that the circuit supply is isolated either by the circuit supply fuse being removed or the applicable circuit breaker being turned off before installation or any maintenance.
- Check the total load on the circuit ensuring the luminaire does not exceed the rating of the circuit cable, fuse or circuit breaker.
- Long-term use and voltage fluctuations can reduce the life span of the fitting.
- If the fitting incorporates control gear, ensure careful sizing to avoid instances of nuisance tripping of the protective device used in the installation.
- Follow the provided installation instructions, using the fixings supplied or recommended.
- Keep out of reach of children.



Specification

Box Contents -
1 x DBR Bulkhead

Dimensions:	W: D: 275 x D: 82mm
Material:	Body: Die-Cast Aluminium Diffuser: Polycarbonate
Colour Temperature:	4000K
CRI:	Ra>80
LED Lifetime:	L70B50 50,000 Hrs
IP Rating:	IP65
IK Rating:	IK10
Working Temperature:	Standard: -20°C to 45°C Emergency: -0°C to 45°C
Power Factor:	>0.9
Guarantee:	5 Years (Emergency Batteries 1 Year)



MAXIMUM FITTINGS PER CIRCUIT

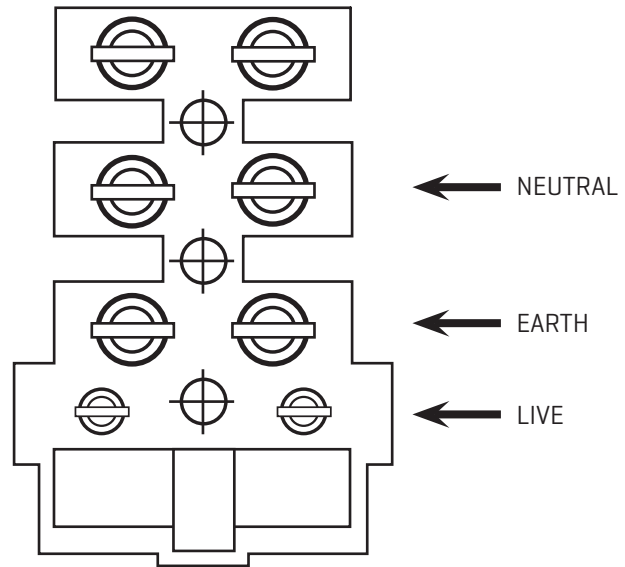
Automatic Circuit Breaker Type:	B6	B10	B13	B16	B20	C10	C13	C16	C20
Rated Current:	6A	10A	13A	16A	20A	10A	13A	16A	20A
Cable (mm):	1.5	1.5	1.5	2.5	2.5	1.5	1.5	2.5	2.5
DBR Bulkheads:	14	38	63	96	150	62	105	163	250

Installation Instructions

1. Remove the hex head fixing screws and gently remove the diffuser. Mounting holes are pre-drilled on the diecast units.
2. Using the base of the fitting as a template, mark the position of the mounting holes on the mounting surface.
3. Pierce the cable grommet to the base of the fitting, making a hole just large enough to make a tight fit around the incoming mains cable. Carefully thread the cable through the grommet.
4. Secure the fitting in place using the fixings supplied. If Protection against ingress of moisture is required, the heads of the screws must be covered with a silicone or similar sealant.
5. Refer to the wiring instructions.
6. When the wiring is complete replace the diffuser and decorative trim to the fitting refit the hex head fixing screws.

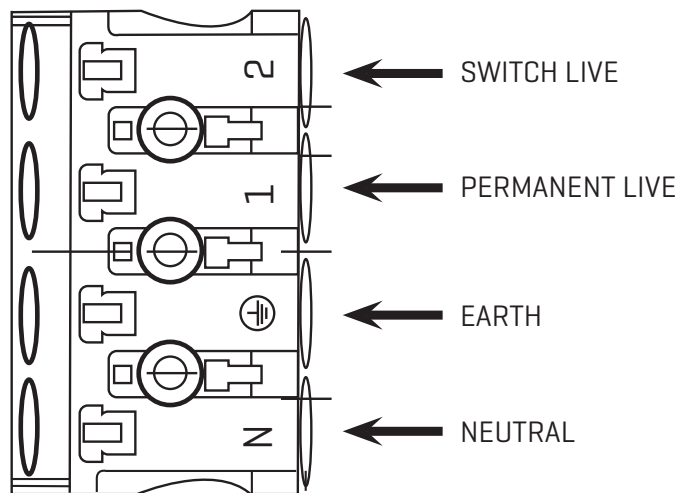
Wiring Instructions for all Non-Emergency Units

1. Connect the incoming earth cable to the earth terminal on the connector block.
2. Connect the incoming neutral cable to the neutral terminal on the connector block.
3. Connect the incoming live / switched live cable to the terminal marked "live" on the connector block.



Wiring Instructions for Units Fitted with Emergency Function

1. Connect the incoming earth cable to the earth terminal on the connector block.
2. Connect the incoming neutral cable to the neutral terminal on the connector block.
3. Connect the incoming switched live cable to the terminal marked "switched live".
4. For the emergency unit to work correctly, please ensure that a permanent live feed is present and is connected directly to the "L, permanent live terminal of the connector block.
5. The loose flying lead connected to the battery needs to be attached to the empty socket found on the emergency control unit.
6. Following power up on an emergency equipped fitting, the green LED indicator should illuminate to indicate that the unit is charging. If the power to the unit is disrupted or isolated, the indicator will switch off and the emergency fitting will illuminate in emergency mode.
7. Please allow 24 hours of uninterrupted charging time before testing the emergency function.

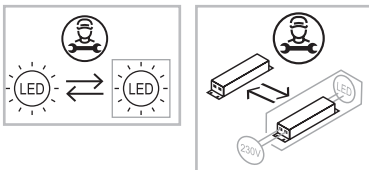


Guarantee

This product is guaranteed for a period of 5 years from the date of purchase. The guarantee is invalid in the case of improper use, tampering, removal of the Q.C. date label, installation in an improper working environment or installation not according to the current edition of the I.E.E. Wiring Regulations (BS7671). The guarantee is also invalidated if the luminaire has been insulation tested. Should this product fail during the guarantee period it will be replaced free of charge, subject to correct installation and return of the faulty unit. We do not accept responsibility for any installation costs associated with the replacement of this product. Your statutory rights are not affected. We reserve the right to alter specifications without prior notice.

Maintenance

- This fitting will require routine cleaning if used in adverse (dust, paint, welding, oils etc) environments. Do not use solvents, aggressive detergents or abrasives.
- The light source & driver in this luminaire can be quickly and easily replaced at end of life. This should be carried out by a competent person. Contact Red Arrow for details of replacements.



- When this fitting comes to the end of its life or you choose to replace it, please do not dispose of it with your normal waste. Please recycle where the facilities exist, check with your local authority for suitable options.

INS/OUTDOOR/0004/DBR/V3