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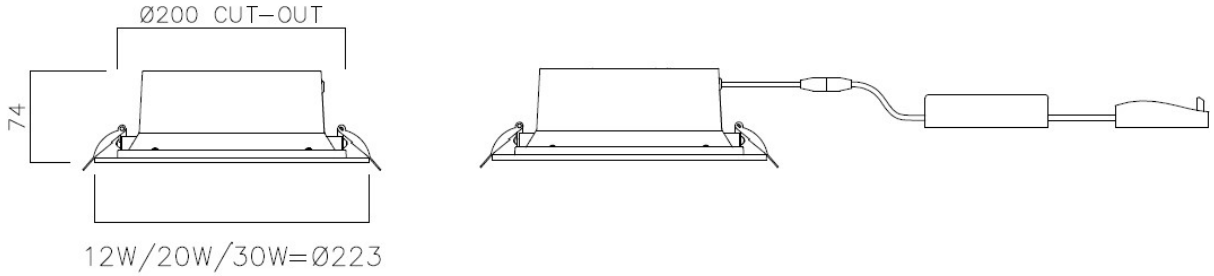
WESTMINSTER LED RECESSED SHALLOW OPAL DOWNLIGHT INSTRUCTIONS
Issue 02 on 1st March 2023

THANK YOU for buying this product. To help ensure it gives complete satisfaction please install it according to these instructions and then pass the instructions to the appropriate person for retention and future reference.

SAFETY This is a mains powered product. It is designed to be installed by suitably qualified personnel only and in accordance with the applicable building and electrical regulations. Before installation or maintenance the electrical supply to the product must be isolated.

INSTALLATION SUPPORT If installation advice or accessories are required please contact us at the above address. We will do our best to help. When reporting a suspected fault or seeking installation support the problem is likely to be resolved most quickly if you have full product details to-hand, as well as details of when and where it was purchased.

DIMENSIONS



INSTALLATION

1. Decide mounting position in ceiling & cut suitable round hole, to dimension shown in diagram above & provide mains supply cable. Care should be taken when cutting the hole to avoid structures & to not exceed the specified cutting diameter so as not to expose the cut edge.
2. Pass mains supply cable down through the mounting hole and make ready for termination.
3. Disconnect the driver unit from the main fitting head unit via the plug & socket connectors.
   Note! The driver comes with a pre-fitted mains connection box. This is to speed up installation & allows “loop in / loop out” of the mains supply.
4. Open the mains connection box by squeezing together the two pegs & hinging the cover up. This will expose the mains terminal block.
5. Route the mains supply cable to the appropriate connection points & terminate, ensuring correct polarity is observed.
6. Press down to secure the connection box cover in closed position. The restraint is provided by the connection cover.
7. Locate the LED driver unit through the hole into the ceiling void. It should be placed in a suitably ventilated area to ensure prolonged life.
   Note! THE DRIVER MUST NOT BE POSITIONED ON TOP OF LUMINAIRE
8. Reconnect the driver to the main fitting head unit via the twist lock plug and socket connectors.
9. On the main fitting head unit, push & hold the mounting springs upwards.
10. Insert through the mounting hole & allow the springs to locate onto the top of the mounting surface to secure.
    Note! ENSURE THAT THE TOP OF THE LUMINAIRE & THE DRIVER ARE NOT COVERED IN ANY WAY AS IT CAN AFFECT PERFORMANCE & LIFETIME
11. Reconnect power supply & check for correct operation.
    Note! Luminaires fitted with electronic drivers are exempt from insulation resistance tests as this will cause damage to the electronic components.

MAINTENANCE

1. Gentle cleaning of the diffuser with a soft cloth should be carried out at regular intervals so as not impair photometric performance of the luminaire.

GENERAL MAINTAINED EMERGENCY LUMINAIRE INSTRUCTIONS

These instructions should be followed in conjunction with the standard luminaire instructions. Please read carefully and pass to the end user/responsible person for retention and future reference.

INSTALLATION

1. Following the installation of the luminaire in accordance with the standard luminaire installation instructions, a separate permanent live supply should be terminated in the incoming supply terminal block in the luminaire, in the connection marked 'L PERM'. The permanent supply MUST be taken from the same phase as the corresponding switched supply and MUST be wired at the switchboard so that upon instances of tests, it is isolated at the same time as the switched supply.
2. Once the permanent live supply is connected, connect the battery to the module via the 'plug and mate' connector, ensuring correct polarity is observed. Failure to observe correct battery polarity will result in permanent damage to the emergency module/driver.
3. N.B. to avoid potential damage to the battery please ensure the permanent live is energized as soon as possible following connection of the battery to the module.
4. Upon restoration of the power supply to the luminaire, check that the indicator LED fitted within the luminaire illuminates green. This indicates that the batteries are charging and that the charging circuit is healthy.
5. Allow the battery to charge for an uninterrupted period of not less than 24 hours prior to carrying out a full discharge test.

MAINTENANCE

6. The battery pack in this luminaire must be replaced when it is no longer able to satisfy its full rated duration.
7. In emergency mode the light level of the luminaire will be at a reduced output. Regular maintenance and gentle cleaning are recommended so as to ensure that the Emergency Output Factor (E.O.F) remains at specified levels.
8. Isolate the supply before servicing.
9. Please ensure that the emergency flux is not compromised at any time throughout the luminaires design life.
10. **DO NOT INSULATION TEST**

Caution:

The battery pack in this luminaire is a Lithium Iron Phosphate (LiFePO4) type which includes a dedicated protection circuit. If replacing the battery pack, the specification and chemistry must be identical to that detailed on the battery label.

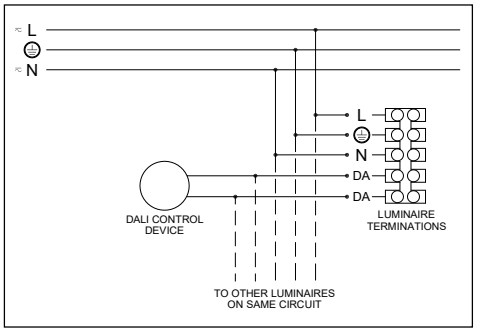
TESTING OF EMERGENCY LUMINAIRES:

Recommended routine test procedures in line with BS 5266-1:2016 & BS EN 50172:2004.

DD DIMMING VERSIONS ONLY

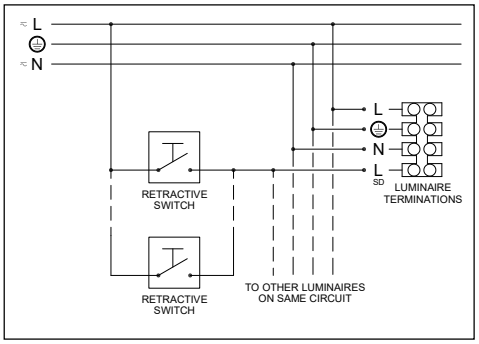
TYPE OF DIMMING
This product uses a LED driver that is capable of 2 methods of dimming:

DALI



Dimming via a Digital Addressable Lighting Interface.
Note! Further input may be required from your lighting controls provider.

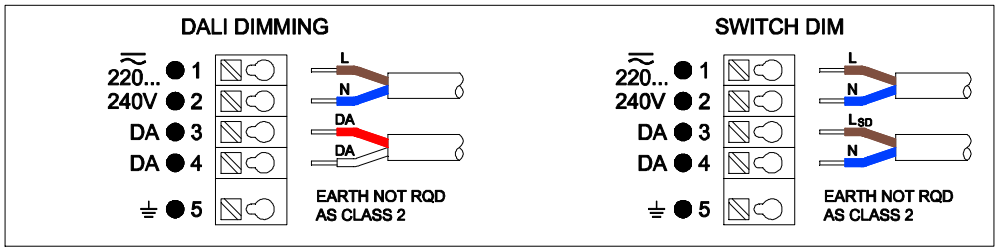
SWITCH-DIM



Dimming via a retractive switch.
Note! Different makes of control gear should never be actuated by the same retractive switch in an installation. There is a risk of a conflict in what you are asking the ballast to do.

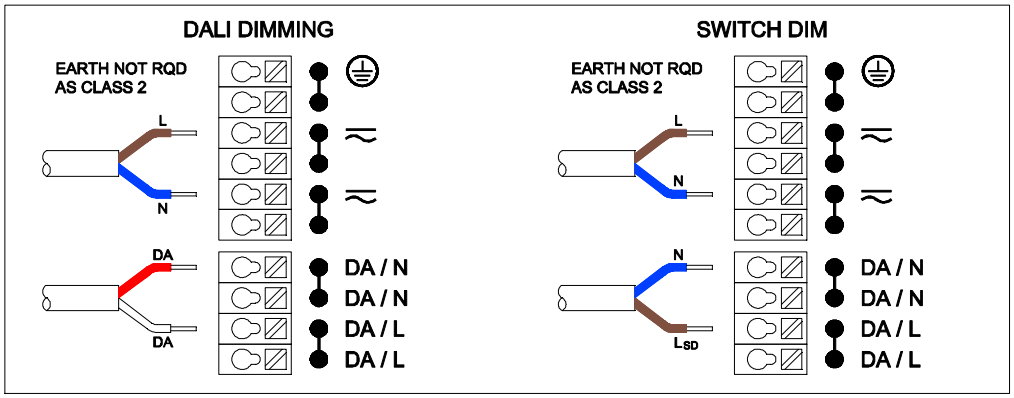
REMOTE DRIVER WIRING
Power supply & signal wires input for luminaires with remote mounted LED drivers (i.e. driver not inside luminaire).
Note! The make of LED driver will need to be identified so the correct wiring can be followed.

Luminaires using OSRAM QTI DALI



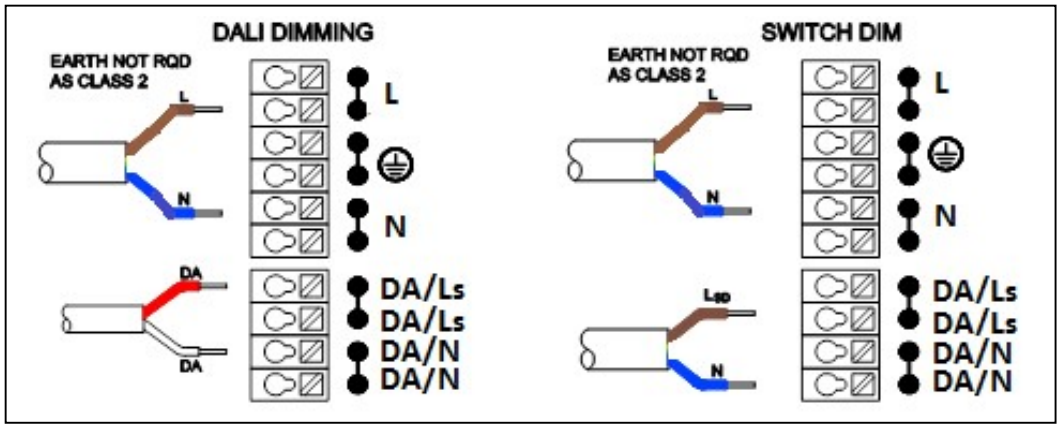
Note: L_{SD} = Switch Dim Live

Luminaires using TRIDONIC ECO SR



Note: L_{SD} = Switch Dim Live

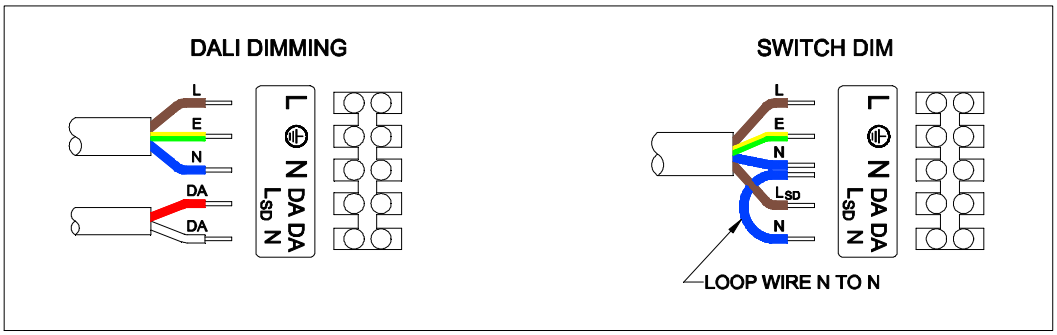
Luminaires using PHILIPS XITANIUM



Note: L_{SD} = Switch Dim Live

INTERNAL DRIVER WIRING

Power supply & signal wires input for luminaires with built in LED driver & where there is a terminal block present



Note: L_{SD} = Switch Dim Live