

BISMARCK LED IP54 RECESSED LUMINAIRE INSTRUCTIONS

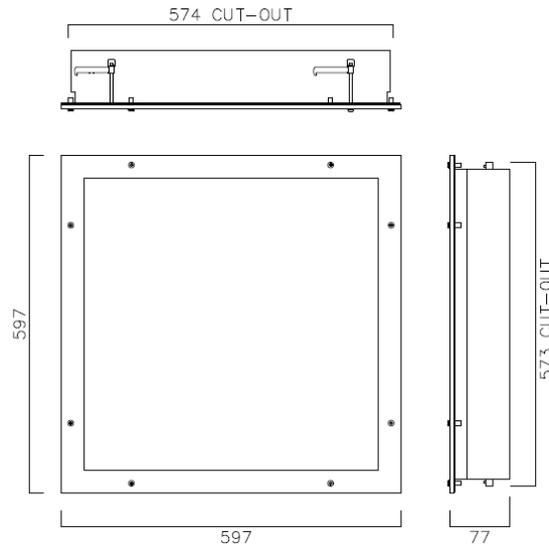
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THANK YOU for buying this product. To help ensure it gives complete satisfaction please install it according to these instructions and then pass the instructions to the appropriate person for retention and future reference.

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.



INSTALLATION

1. Pass mains supply cable down through the chosen aperture in suspended ceiling grid.
2. Disconnect the driver unit from the LED panel via the plug & socket connectors.
3. Route the mains supply cable to appropriate connection points on the driver unit terminate, ensuring correct polarity is observed.
4. Refit the connection cover(s) on to the driver unit, ensuring the cables are suitably restrained. The restraint is provided by the connection cover & adjustments can be made to suit various size cables.
5. Install the driver & luminaire body into the ceiling. This product can be fitted to some "pull-up" concealed-fix grid systems (please check compatibility), plasterboard ceilings & standard "lay-in" 15mm/24mm T-bar grid systems. These installations provide an IP54 rating for the front face of the luminaire only.
6. Offer the panel up to the aperture & remake the connection to the driver.
7. Lift the panel up through the aperture & then lay in position on the ceiling grid.
8. Reconnect power supply & check for correct operation.

Note! The back of the panel & the control gear should not be covered in any way as it may affect performance & lifetime

Note! Luminaires fitted with electronic drivers are exempt from insulation resistance tests as this will cause damage to the electronic components.

For **PULL-UP** installation to concealed-fix grid systems & plasterboard ceilings:

- i. If installing to plasterboard then recommended cutout size is as shown in the line diagram
- ii. Pass the driver unit through the aperture & locate in a suitably ventilated area to ensure prolonged life.
- iii. Remove the front diffuser cover assembly to allow access to the side arm bracket screw heads.
- iv. Offer the luminaire body to the aperture & then push the luminaire body fully up into the aperture.
- v. Using a pozi-drive screwdriver, turn the four individual screw heads located on the front flange of the luminaire body 'clockwise', to operate the side arm brackets. On the first turn, the brackets will swing out to support the luminaire body, & then keep turning to fully raise & secure.
- vi. Refit the front cover diffuser assembly and secure in place.

For **LAY-IN** installation to T-Bar grid systems (Note: the diffuser frame will still need to fit from below):

- i. Pass the driver unit through the aperture & locate in a suitably ventilated area to ensure prolonged life.
- ii. Pass the luminaire through the aperture & then lay into position. Use of the suspension brackets is optional to provide extra support.

NOTE! It is the responsibility of the installer to ensure the IP54 rating is maintained.

MAINTENANCE

1. Cleaning should be carried out at regular intervals so as not impair photometric performance or thermal safety of the luminaire.