

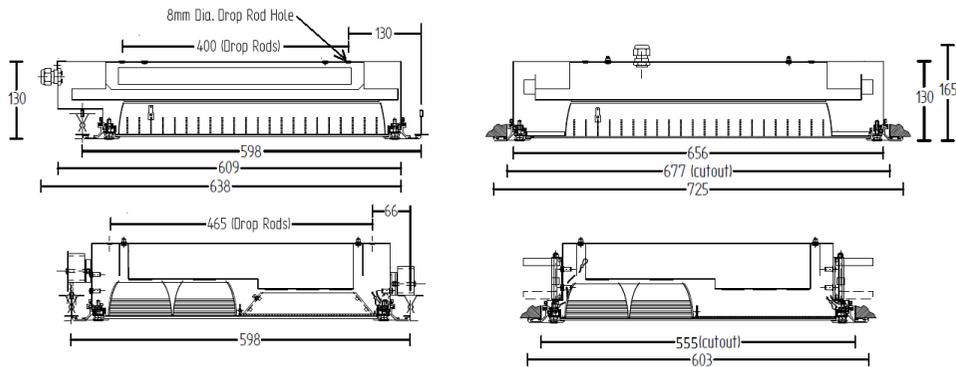
SPECIFICATION

Finish	Body - RAL 9003	Frame - RAL 9016
Materials	Body 0.7 mm gauge steel Louvre – X - Blade aluminium with opal inlay Diffuser – Clear Acrylic with prism and opal behind	
Output	54W – 3050lm (Louvre), 92W – 8150lm (Diffuser) Ra90	
Operating temp	0 to 25°C	
Control	Fixed output and 1 – 10v dimming 3 Pre-set levels on louvred side	
IP rating	IP65 with frame in position, IP54 with front frame removed	

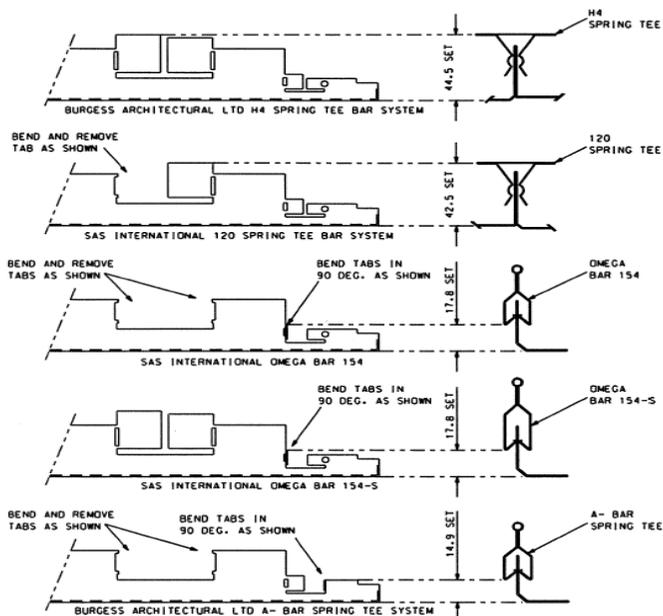
DIMENSIONS

Modular

Non Modular



RECESSING PANEL TABS



Whitecroft
lighting

HDU LED



HIGH DEPENDENCY UNIT RECESSED LED LUMINAIRE Installation Instructions

PK/LEAFLETHDULED

Nov 2022 - Rev D



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Registered No. 3848973 England kb

Registered Office: As above

GENERAL INFORMATION

1. A qualified electrician, in accordance with IEE wiring regulations should carry out connection to mains wiring.
 2. This luminaire must be EARTHED.
 3. Ensure that the rated luminaire voltage and frequency requirements are compatible with the available mains supply.
 4. If the luminaire incorporates high frequency electronic control gear, do not carry out high voltage insulation test, i.e. 500/1000v this may damage internal components.
 5. Cleaning of the diffuser should be carried out using a lint free cloth and soapy water.
 6. This luminaire is not suitable for mounting on normally flammable surface.
- If you have any further queries, please contact **WHITECROFT TECHNICAL**.

PRODUCT DATA

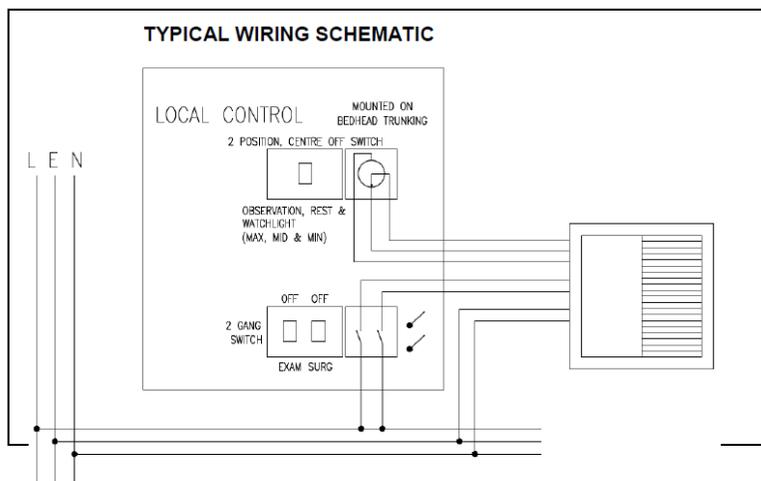
HDU LED is a high quality IP65/54 recessed luminaire for High Dependency Units, Intensive Care, and Critical Care units in hospitals. Versions are available for installation in either modular grid or cut aperture ceilings. The luminaire is split into two sections. The diffuser side is used in conjunction with the louvred side to give highest illumination for patient inspection. The louvred side can be switched via external 3 position switch to give Watchlight, Medium and Examination light levels.

The modular version is compatible with exposed T and spring T ceilings. A recessing panel (RP600X600) is recommended on spring T ceilings to retain room integrity. (See reverse for Spring Tee panel for correct break-off / bend out tabs) Cut Aperture versions will fit to ceilings 35 to 90 mm thick. **Cut Aperture 555 x 677 mm** Weight of fitting (modular or non-modular) 13 kg

INSTALLATION PREPARATION

In all cases, remove the gear tray for electrical connection before installing in the ceiling. Remove and retain the screw caps. Remove the inner frame with louvre and unhook the retention straps. Detach the Earth lead. Remove the gear tray by loosening its retention nuts then slide the Gear-tray along the keyhole slots until it clears the retention nuts. Press and detach the power connectors and remove the gear-tray.

When refitting, ensure the power connectors are fully engaged.

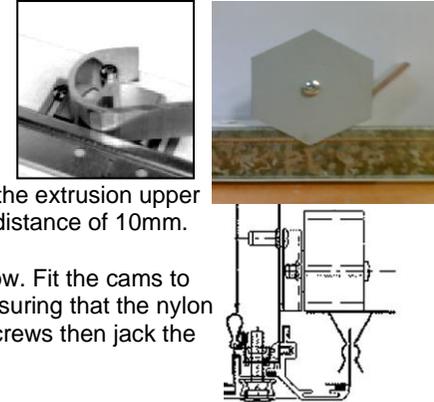


INSTALLATION DETAILS

Remove inner frame and the gear tray as detailed below. Run the power feed cable(s) through the fitting sealing gland and tighten the gland.

INSTALLATION IN MODULAR CEILINGS

The HDU LED can be installed in Exposed T or Spring T modular ceilings where the T height is between 30 and 56 mm. The fitting is held on the modular grid ceiling by action of cam profile side arms. These provide a clamping movement distance of 10 mm. The cam profiles are held on an adjustable bracket with a range of 25 mm. The hexagonal cam plate offers additional security.



Check that the T height is in the range above and if necessary, adjust the cam support brackets so that the central nut is about 26 mm above the T height.

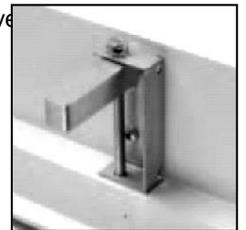
For example if the T grid is 38 mm high set the cam support bracket central nut to be $38 + 26 = 64$ mm from the extrusion upper face (the face next to the ceiling). This gives a clamping distance of 10mm.

Put the HDU LED into the ceiling and support it from below. Fit the cams to the cam support brackets from adjacent grid sections, ensuring that the nylon washer is next to the support bracket. Tighten the cam screws then jack the HDU LED to the ceiling grid

For secondary suspension drop rod dimensions see the information in the Dimension section.

INSTALLATION IN NON-MODULAR CEILINGS

Note the positions of the swing arm adjustment bolts, check that you have appropriate screwdriver or M6 nut runner to turn them. Turn each bolt to move the swing arms to a position away from the outer frame which is greater than the ceiling thickness.



Put the body into the aperture and turn each of the swing arm bolts to move the arms downwards, the arms will swing outwards above the ceiling battens. Continue to turn each of the bolts to jack the body into the ceiling void and compress the outer frame gasket against the ceiling.

POWER CONNECTIONS

Connect mains to the 2 fused terminal blocks. Connect a 3 way selector switch (if required) as shown. Check that the sealing gland is tight. Refit the gear tray. Fit the inner frame to its retention straps, fit the Earth lead, then fit the frame in the outer frame and secure with the securing screws and cap covers. Refit the inner frame.

