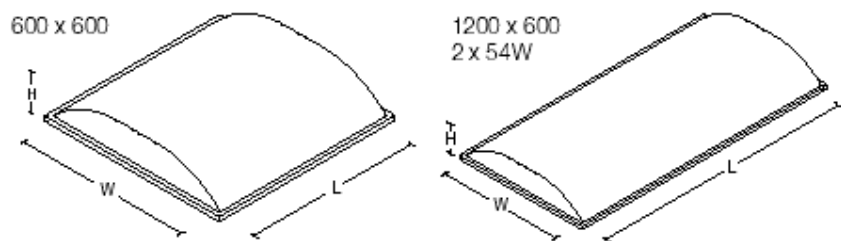


SPECIFICATION

Finish	Body	- RAL 9003
Materials	Body	- Rigid 0.5 mm mild steel
	Louvre	- Miro 5 semi-specular low iridescent aluminium
Lamps	4x14W, 2x24W, 2x54W T5 or 1x40W, 2x40W, 1x55W 2x55W TC-L	
Control Options	High Frequency electronic fluorescent control gear Analogue dimming control gear using 1–10v DC signal or Digital dimming control gear, DSI / DALI, types available	
	3 hour maintained integral inverter - EMIN option Self test options are available Fully automated Command 3 absence and light sensing option	
Ingress Protection	IP20	

DIMENSIONS



Version	L	W	H	Prepared Aperture	KG	KG	
Exposed T	593	595	95	–	4.5	5.5	
Plasterboard	660	660	95	625 x 625 ± 3	6.5	7.5	
2 x 54W Version	1193	595	95	–	8.0	9.0	

TECHNICAL SUPPORT

Telephone: 0161 331 5700
E-mail: technical@whitecroftlight.com
<http://www.whitecroftlighting.com>

Whitecroft
lighting

CASCADE



MODULAR RECESSED T5 / TC-L FLUORESCENT LUMINAIRE

Installation Instructions

Jan 2013 - Rev F



Whitecroft Lighting Limited

Burlington Street, Ashton-under-Lyne, Lancashire OL7 0AX
Telephone +44 (0)870 5 087 087 Facsimile: +44 (0)870 5 084 210

Registered No. 3848973 England

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.
7. Under no circumstances shall the luminaire be directly covered with insulation or a similar material. A minimum distance of 100mm void should be left around the luminaire to prevent an unnecessary heat build up within the luminaire.

HIGH FREQUENCY BALLAST

In order to protect High Frequency Ballasts, the unit will automatically go into a stand-by state and prevent operation if any of the following occur.

- (a) The fluorescent lamps are defective, incorrectly fitted or of the wrong type or wattage.
- (b) The mains voltage is too high, low or disrupted.
- (c) The ballast overheats.
- (d) There are poor electrical connections in the circuit.

To reactivate the ballast after the fault is corrected, switch the mains off for a minimum of 10 seconds.

Do not connect this unit in circuits containing switch start ballasts.

If you have any further queries, please contact **WHITECROFT TECHNICAL**.

PRODUCT DATA

The **Cascade** luminaire is designed to satisfy LG3:2001 brightness limits whilst maintaining a clean ceiling line.

It incorporates a single or twin cell semi-specular louvre mounted between perforated gull wings.

It is designed to fit into modular 600mm ceiling grids as a 'lay in' fitting on both T24 and T15 exposed T grids.

Plasterboard installation frame can be supplied as an optional separate item (part ref: **CSDPBF**)

Air handling version available by specifying suffix ...AH

INSTALLATION DETAILS

Cascade lay in T24 and T15 600 mm square modular grids.

Run the power cable through the grid aperture and connect to the fitting. Lift and tilt the fitting in the grid and then centralise the fitting in the grid.

PLASTERBOARD INSTALLATION (600mm x 600mm luminaire only)

Cut out the ceiling aperture 625mm x 625mm.

Install the plasterboard frame (supplied & ordered separately) via the adjustable brackets on the frame.

Run the power cable through the frame aperture and connect to the fitting.

Lift and tilt the fitting in the grid and then centralise the fitting in the frame.

Minimum void depth required is 175 mm for both the above.

CHANGING LAMPS

Access to the lamps is by removing the louvre (with its micro-perforated side diffusers) and then the gear cover

Please wear the gloves provided when handling the louvre

The louvres are held by protruding tabs on each end panel. Ease the louvre and side panels from the tabs and allow it to hang down on its support chords. Remove the gear cover by removing the self-tapper screw and withdraw the cover from the fitting. After changing the lamps refit the gear cover and louvre.

CHANGING TO AIR HANDLING GEAR TRAY

Remove louvre and lamps to gain access to the existing gear tray. Undo and retain the retaining screw. Remove and retain the earth lead and lamp clips (if present)

Fit the earth lead (and lamp clips) to the air handling gear tray. Fit the gear tray, lamps and louvre.

EMERGENCY VERSIONS

Mark up the battery stack with the installation date.

Self contained emergency lighting luminaires must be supplied with an unswitched supply

For self contained luminaires check that the charge indicator LED is operating and allow the luminaire to charge for 24 hours before carrying out a full functional test.

RETAIL VERSION

Available with micro dot zero iridescent semi-specular louvre for optimum brightness.