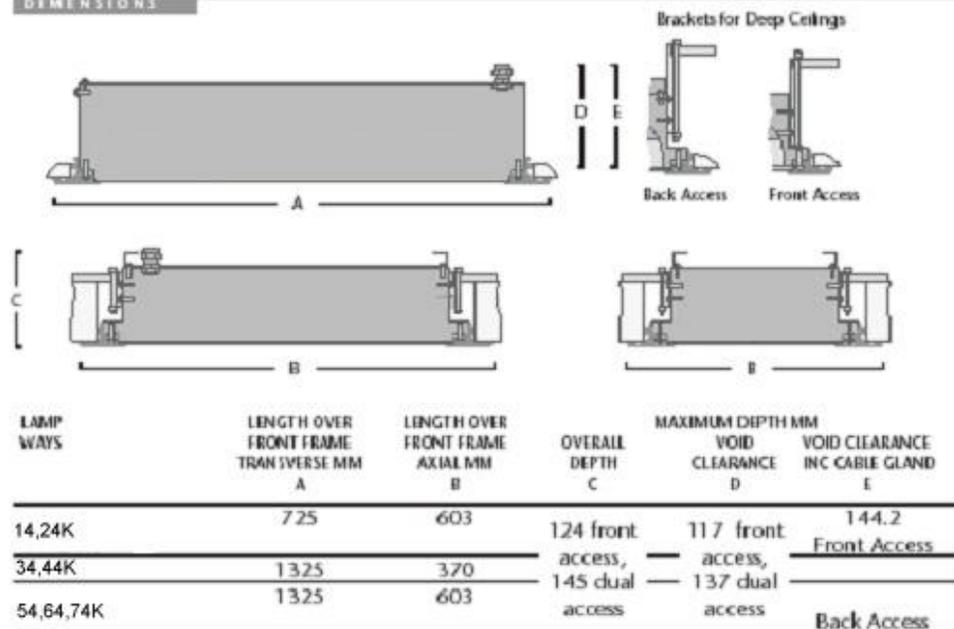


SPECIFICATION

Finish	Body - RAL 9010	Frame - RAL 9016
Materials	Body - Rigid 0.7 mm mild steel	Frame - Aluminium
	Diffuser - Rigid 3.0 mm flat sheet prismatic fireguard, TP(a) rated material.	
	Glass - Toughened 4mm (or clear fireguard material option)	
LED engine	650lms or 1100lms LED Boards	
Control	Electronic control gear or DALI control gear.	
	3 hr maintained - EMIN option.	
	3 hr maintained + self-test - ET option.	
	3 hr maintained + DALI central test - COMEPS option.	
Ingress Protection	IP65 with frame in position, IP54 with front frame removed.	

DIMENSIONS



Note: For maximum fitting depths see application



DTFN LED *Elite*



NON-MODULAR RECESSED CLEAN AREA LED LUMINAIRE

Installation Instructions



PK/LEAFLET/DLN/LED

Feb 2023 - Rev E

Whitecroft Lighting Limited

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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. This luminaire must be isolated from the mains supply before commencing any maintenance work or attempting access through the luminaire body.
8. The light source contained in this luminaire shall only be replaced by the manufacturer, a designated service agent or a suitably qualified person.
9. Batteries must only be replaced by a qualified electrician once they fail to meet the required duration.
10. Dali control cables must be double insulated & have an equivalent rating to the supply cable if applicable.

PRODUCT DATA

DTFN is a high quality IP65/54 recessed luminaire for Clean Rooms with non modular ceilings classified up to EEC GMP Class C or FS209D class 1000 and ACDP class 1&2. Access to lamps can be from the Front (frame inner removal), Rear (rear panel hinged) or Through (remove front inner frame then rear panel screws from the front)

Suitable for cut and prepared aperture ceilings and sandwich panels with capped aperture reinforcements up to a depth of 90 mm for front and 108 mm for back access (or 153 mm front and 170 mm back access with special bracket).

The extruded aluminium outer frame has a gasket to the ceiling, the removable inner frame has concealed (capped) or visible fixings to the body.

The diffuser is securely clamped but is easily removable from the inner frame.

The solid side arm jacking brackets can be adjusted from within the sealed body if Front Access or from the void if Back Access

CUT APERTURES (NOTE Tolerances are -0 + 5 mm) and WEIGHTS.
(For luminaire and void dimensions see reverse)

		WEIGHTS (incl. Emergency gear)	
LAMPWAYS	FRONT ACCESS	DIFFUSER	4 mm GLASS
14,24K	555 X 677 mm	13 kg	17 kg
34,44K	322 X 1277 mm	14 kg	18 kg
54,64,74K	555 X 1277 mm	20 kg	28 kg

INSTALLATION DETAILS

Prepare the aperture for the appropriate version as given in PRODUCT DATA
The ceiling thickness at the cut aperture sides should be a minimum of 40mm, or 55mm for back access luminaires. For deep ceilings where the 150 mm bracket kit **150CBKT600** or **150CBKT1200** is supplied, undo the upper nut and remove the existing M6 bolt and bracket assemblies from the body. **RETAIN THE SWING ARMS.** Fit the 150 mm brackets to the body, fit the 150 mm bolt (and sealing washers if front access) to the bracket with the original swing arms. Refit the upper nut.

INSTALLATION

For FRONT ACCESS versions remove and retain the screw caps, if fitted, to expose the inner frame retention screws. Remove the screws, remove the inner frame and unhook it from the retention straps. Detach the Earth lead. Note the positions of the swing arm adjustment bolts, check that you have the 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.

Remove the gear tray, as given below, and run the power feed cable(s) through the sealing gland.

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.

Connect mains to power terminal blocks.

Refit the gear tray, fit the inner frame to its retention straps, fit the Earth lead, then fit it in the outer frame and secure it with the securing screws and cap covers.

GEAR TRAY REPLACEMENT

Support the inner frame by hand whilst removing the screw cap covers and securing screws then allow the inner frame to hang down on its securing straps.

Remove the gear tray by loosening its retention bolts, then slide the gear tray along the keyhole slots until it can clear the retention nuts / screw heads.

SUPPORT THE GEAR TRAY WHEN PULLING CLEAR.
When refitting, ensure the retainer fixings are tight.

FOR THROUGH ACCESS VERSIONS

Isolate the mains supply before attempting access or any maintenance work. Follow procedure as above for lamp replacement and gear tray removal. Remove the screws which fix the lid to the main body, the lid will now hinge to one side to allow access through the luminaire.

