

DTFN elite

T5 through access

IP65/54 recessed luminaire with sealed twin frame construction



Optics

- Lamp options:
 - 4 x 28W T5
 - 3 or 4 x 54W T5
- Louvre above 4mm toughened glass or clear 3mm fireguard material
- Prismatic acrylic above 4mm toughened glass
- Single 3mm sheet prismatic fireguard material

Body

- Front access with the fixings inside the sealed lid to provide void access
- Hinged lid
- Dual IP rated – to a BSI tested and certified construction as protecting the room to IP65 from void contamination with the front frame and IP54 with the frame removed
- Cut and prepared aperture ceilings and sandwich panels with capped aperture reinforcements up to a depth of 90mm with standard brackets as supplied on the luminaire or 155mm with optional special deep ceiling bracket (order separately)
- Extruded aluminium fixed outer frame (gasketed to ceiling) and removable inner frame integrate in line but at an angle to eliminate a vertical gap. Additional mastic sealant between outer frame and ceiling does not impede lamp access
- Diffuser securely clamped but easily removable from frame for replacement
- Solid aluminium side arm jacking brackets adjusted from within the sealed body
- Concealed front frame fixings and white full gloss frames as standard on all options

Note: a glass front face resists all cleaning chemicals and is best for a sterile environment if advice is needed contact the Whitecroft technical team

Note: for a comprehensive range of standard access products see our clean area section page 342



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Order Codes

Cat 2 louvre above 4mm toughened glass	HF Gear	3 hr Emergency
T5 4 x 28W	DTFNWGH428TA	DTFNWGH428TAEMIN
T5 4 x 54W	DTFNWGH454TA	DTFNWGH454TAEMIN

Cat 2 louvre above 3mm clear TP(a) rated sheet	HF Gear	3 hr Emergency
T5 4 x 28W	DTFNWFH428TA	DTFNWFH428TAEMIN
T5 4 x 54W	DTFNWFH454TA	DTFNWFH454TAEMIN

Prismatic acrylic above 4mm toughened glass	HF Gear	3 hr Emergency
T5 4 x 28W	DTFNAGH428TA	DTFNAGH428TAEMIN
T5 3 x 54W	DTFNAGH354TA	DTFNAGH354TAEMIN
T5 4 x 54W	DTFNAGH454TA	DTFNAGH454TAEMIN

Prismatic TP(a) single sheet	HF Gear	3 hr Emergency
T5 4 x 28W	DTFNKH428TA	DTFNKH428TAEMIN
T5 3 x 54W	DTFNKH354TA	DTFNKH354TAEMIN
T5 4 x 54W	DTFNKH454TA	DTFNKH454TAEMIN

Options

DALI DIMMING	Replace H with Y	i.e. DTFNWDGY428TA
SWITCH DIMMING	Replace H with X	i.e. DTFNWDGX428TA
EASYTEST	Add suffix /ET	i.e. DTFNWDGH428TA/ET
COMET	Add suffix /CT	i.e. DTFNWDGH428TA/CT
COMEPS	Add suffix /EP	i.e. DTFNWDGH428TA/EP

DEEP CEILING BRACKET for ceilings up to 155mm order separately as **150CBKT1200** for 28 and 54W lamps

Note: The standard DTFN Elite range is detailed in the clean area section of the catalogue see page 342



Solid Aluminium Jacking Bracket



Easy Access to Ceiling Void

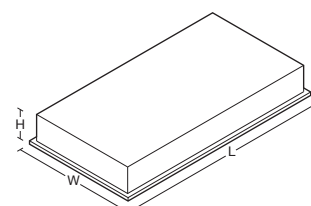
Ceiling Integration

Refer to common ceiling compatibility matrix – See page 404

Plasterboard

Prepared aperture

Dimensions



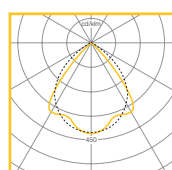
L	W	H	Cut Aperture
1325	603	145	555 x 1277 ⁺³

Weight

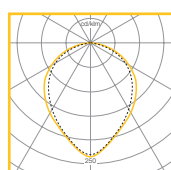
	Louvre/ toughened glass	Louvre/TP(a) rated sheet	Acrylic/ toughened glass	Prismatic TP(a)
T5 4 x 28W	28.0 KG	22.0 KG	29.0 KG	20.0 KG
T5 3 x 54W	–	–	29.0 KG	20.0 KG
T5 4 x 54W	28.0 KG	22.0 KG	29.0 KG	20.0 KG

Note: Emergency luminaires are 1 KG heavier than the standard shown above

Photometric Performance



4 x 28W T5
Louvre/clear
• LOR = 61.5%
• SHR MAX = 1.55



4 x 28W T5
Prismatic
• LOR = 64.7%
• SHR MAX = 1.42

Utilisation Factors UF(F)

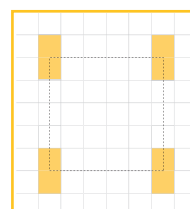
Room Reflectance	Room Index
C W F	1.00 3.00 5.00
0.70 0.50 0.20	0.49 0.63 0.66

Utilisation Factors UF(F)

Room Reflectance	Room Index
C W F	1.00 3.00 5.00
0.70 0.50 0.20	0.43 0.62 0.67

Performance Guide

Lamps	Illuminance	Spacing
4 x 54W T5	1000 lux	3.0m x 3.0m



Maintenance:
0.8
Reflectance:
70/50/20
Ceiling Height:
2.7m
Working Plane:
0.8m

Lamp Performance

Wattage	IL@25°C	Lamp Life
1 x 28W T5	2625	24,000hrs
1 x 54W T5	4450	24,000hrs

To Specify

Recessed non-modular T5 clean room luminaire, for cut/prepared aperture ceilings to a BSI tested and certified construction, as IP65 frame on IP54 frame off with twin in line extruded aluminium frames, with angled integration and concealed front frame fixings. The luminaire is to provide access to void services. Suspension via solid aluminium jacking brackets adjusted from below – as Whitecroft Lighting DTFN ELITE T5 Through Access