



– for modular ceilings



Optics

- Light source options:
 - LED Lumen packages that range from 3200 -11400 lumens (45W – 142W)
- Or
 - 4 x 14/24W T5
 - 2 or 4 x 28W T5
 - 2, 3 or 4 x 54W T5
- All optics are TP(a) rated:
 - Louvre above 4mm toughened glass or clear fireguard material (Not available with LED product)
 - Prismatic acrylic above 4mm toughened glass
 - Single sheet 3mm prismatic fireguard material
 - LED product also includes a diffusing sheet mounted behind the prismatic material
- LED product has colour rendering index of $Ra \geq 80$ as standard
- $Ra \geq 90$ is available as an option for enhanced examination in Healthcare environments

Note – a glass front face resists all cleaning chemicals and is best for a sterile environment. Other TP(a) materials are selected for best chemical resistance if advice is needed contact the Whitecroft Technical Desk.

Body

- Front access only
- Welded steel body finished white
- Compatible with modular exposed T and spring T ceilings. Recessing panels are recommended on spring T ceilings to retain room integrity – Refer to page 404 for ceiling compatibility information
- Dual IP rated – to a BSI tested and certified construction as protecting the room to IP65 from void contamination with the front frame in place and IP54 with the frame removed
- Extruded aluminium outer frame (gasketed to the T bar) and inner frame integrated in line but at an angle to eliminate a vertical gap. Concealed front frame fixings and white full gloss frames
- The diffuser clamping system is highly secure and will accept glass. The inner frame design facilitates diffuser replacement
- Robust extruded aluminium side arm cam brackets adjusted from outside the sealed body



DTFA elite LED – for modular ceilings

Order Codes

Prismatic acrylic above 4mm
toughened glass, 600 x 600mm:
3200 lumens 45W
5400 lumens 73W

Fixed Output
DLAAGH14K
DLAAGH24K

3 hr Emergency
DLAAGH14KEM
DLAAGH24KEM

Prismatic acrylic above 4mm
toughened glass, 1200 x 300mm:
3200 lumens 45W
5400 lumens 73W

Fixed Output
DLAAGH34K
DLAAGH44K

3 hr Emergency
DLAAGH34KEM
DLAAGH44KEM

Prismatic acrylic above 4mm
toughened glass, 1200 x 600mm
6400 lumens 90W
8100 lumens 107W
10900 lumens 142W

Fixed Output
DLAAGH54K
DLAAGH64K
DLAAGH74K

3 hr Emergency
DLAAGH54KEM
DLAAGH64KEM
DLAAGH74KEM

Prismatic TP(a) single sheet,
600 x 600mm:
3400 lumens 45W
5700 lumens 73W

Fixed Output
DLAKH14K
DLAKH24K

3 hr Emergency
DLAKH14KEM
DLAKH24KEM

Prismatic TP(a) single sheet,
1200 x 300mm:
3400 lumens 45W
5700 lumens 73W

Fixed Output
DLAKH34K
DLAKH44K

3 hr Emergency
DLAKH34KEM
DLAKH44KEM

Prismatic TP(a) single sheet,
1200 x 600mm:
6800 lumens 90W
8600 lumens 107W
11400 lumens 142W

Fixed Output
DLAKH54K
DLAKH64K
DLAKH74K

3 hr Emergency
DLAKH54KEM
DLAKH64KEM
DLAKH74KEM

Options

DALI DIMMING
COMEPS
EASYTEST
Ra90*

Replace H with Y
Add suffix /EP
Add suffix /ET
Add 9 after D

i.e. DLAAGY14K
i.e. DLAAGH14K/EP
i.e. DLAAGH14K/ET
i.e. D9LAAGH14K

Recessing Panels

For 600 x 600mm products
For 1200 x 300mm products
For 1200 x 600mm products

RP600x600
RP300x1200
RP600x1200

*Ra90 LEDs have a wattage increase of approx. 11%. Please contact
Whitcroft Technical Desk for accurate figures.



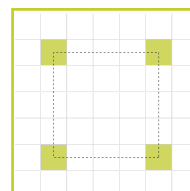
Cam Jacking Bracket

LED Performance

Colour Temp	Ra (CRI)	Life Expectancy	Colour Consistency
4000K	≥ 80	L ₈₀ (50,000hrs)	MacAdam 3 SDCM
4000K	≥ 90	L ₈₀ (50,000hrs)	MacAdam 3 SDCM

Performance Guide

Lamps Illuminance Spacing
LED 45W 534 lux 2.4m x 2.4m
(3400 lumens, 45W Prismatic TP(a)
single sheet 600 x 600mm)



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

Equivalent Lamp Types

3200/3400 Lumen Output
T5 lamp 4 x 14W

6400/6800 Lumen Output
T5 lamp 4 x 28W

8100/8600 Lumen Output
T5 lamp 3 x 54W

DTFA elite LED – for modular ceilings

Weight

Acrylic / Toughened glass

Lumen Outputs	Dimensions	Weight
3200 / 5400	600 x 600mm	16 KG
3200	1200 x 300mm	17 KG
5400	1200 x 300mm	17 KG
6400	1200 x 600mm	27 KG
8100 / 10900	1200 x 600mm	27 KG

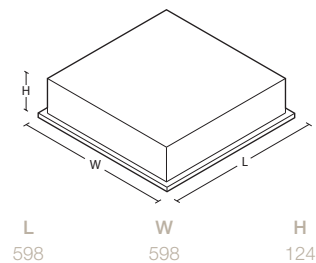
Prismatic TP(a)

Lumen Outputs	Dimensions	Weight
3400 / 5700	600 x 600mm	11 KG
3400	1200 x 300mm	12 KG
5700	1200 x 300mm	12 KG
6800	1200 x 600mm	18 KG
8600 / 11400	1200 x 600mm	18 KG

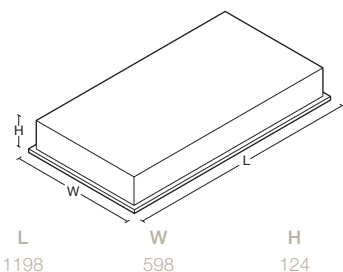
Note: Emergency luminaires are 1 KG heavier than the standard shown above

Dimensions

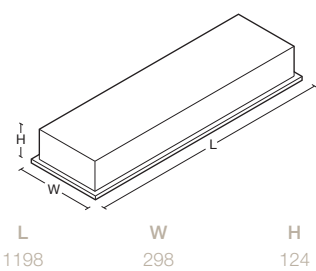
600 x 600mm



1200 x 600mm



1200 x 300mm



Ceiling Integration

Refer to common ceiling compatibility matrix – See page 404

Exposed T Grids

T15/T25 Pull up

Spring T Grids

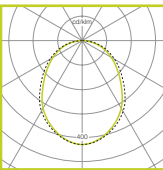
SAS – 150/120

Armstrong – Orcal 1800/3000

Burgess – Clip in/Abar

Dampa – Clip in

Photometric Performance

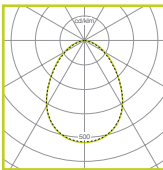


45W LED
Prismatic TP(a)
Single sheet

- LOR = 100%
- SHR MAX = 1.46
- 3380 lumens

Utilisation Factors UF(F)

Room Reflectance	Room Index
C W F	1.00 3.00 5.00
0.70 0.50 0.20	0.70 0.97 1.04



45W LED
Prismatic acrylic
above 4mm
toughened glass

- LOR = 100%
- SHR MAX = 1.46
- 3208 lumens

Utilisation Factors UF(F)

Room Reflectance	Room Index
C W F	1.00 3.00 5.00
0.70 0.50 0.20	0.77 1.00 1.06

To Specify

Recessed modular LED clean room luminaire 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, suspension via robust aluminium cam brackets adjusted from outside the luminaire – as Whitecroft Lighting DTFA ELITE LED.

DTFA elite – for modular ceilings

Order Codes -

Louvre above 4mm
toughened glass

T5 4 x 14W
T5 4 x 24W
T5 2 x 28W
T5 4 x 28W
T5 2 x 54W
T5 4 x 54W

HF Gear
DTFAWGH414
DTFAWGH424
DTFAWGH228
DTFAWGH428
DTFAWGH254
DTFAWGH454

3 hr Emergency
DTFAWGH414EMIN
DTFAWGH424EMIN
DTFAWGH228EMIN
DTFAWGH428EMIN
DTFAWGH254EMIN
DTFAWGH454EMIN

Louvre above 3mm
clear TP(a) rated sheet

T5 4 x 14W
T5 4 x 24W
T5 2 x 28W
T5 4 x 28W
T5 2 x 54W
T5 4 x 54W

HF Gear
DTFAWFH414
DTFAWFH424
DTFAWFH228
DTFAWFH428
DTFAWFH254
DTFAWFH454

3 hr Emergency
DTFAWFH414EMIN
DTFAWFH424EMIN
DTFAWFH228EMIN
DTFAWFH428EMIN
DTFAWFH254EMIN
DTFAWFH454EMIN

Prismatic acrylic above 4mm
toughened glass

T5 4 x 14W
T5 4 x 24W
T5 2 x 28W
T5 4 x 28W
T5 2 x 54W
T5 3 x 54W
T5 4 x 54W

HF Gear
DTFAAGH414
DTFAAGH424
DTFAAGH228
DTFAAGH428
DTFAAGH254
DTFAAGH354
DTFAAGH454

3 hr Emergency
DTFAAGH414EMIN
DTFAAGH424EMIN
DTFAAGH228EMIN
DTFAAGH428EMIN
DTFAAGH254EMIN
DTFAAGH354EMIN
DTFAAGH454EMIN

Prismatic TP(a) single sheet

T5 4 x 14W
T5 4 x 24W
T5 2 x 28W
T5 4 x 28W
T5 2 x 54W
T5 3 x 54W
T5 4 x 54W

HF Gear
DTFAKH414
DTFAKH424
DTFAKH228
DTFAKH428
DTFAKH254
DTFAKH354
DTFAKH454

3 hr Emergency
DTFAKH414EMIN
DTFAKH424EMIN
DTFAKH228EMIN
DTFAKH428EMIN
DTFAKH254EMIN
DTFAKH354EMIN
DTFAKH454EMIN

Options

DALI DIMMING
SWITCH DIMMING
COMEPS
EASYTEST
COMET

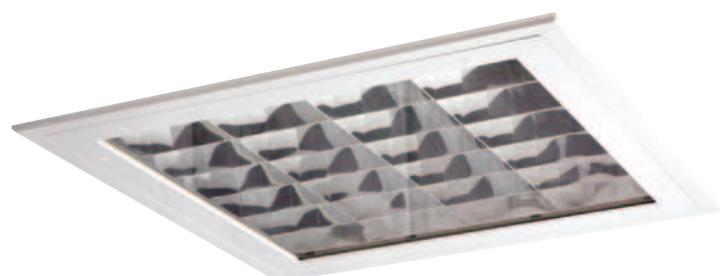
Replace H with Y
Replace H with X
Add suffix /EP
Add suffix /ET
Add suffix /CT

i.e. DTFAWGY414
i.e. DTFAWGX414
i.e. DTFAWGH414/EP
i.e. DTFAWGH414/ET
i.e. DTFAWGH414/CT

RECESSING PANEL to retain room integrity on spring T ceilings

14/24W lamps
28/54W twin lamp options
28/54W three and four lamp options

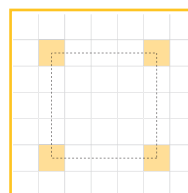
RP600x600
RP300x1200
RP600x1200



Cam Jacking Bracket

Performance Guide

Lamps Illuminance Spacing
4 x 14W T5 465 lux 2.4m x 2.4m



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 14W T5	1250	24,000hrs
1 x 24W T5	1750	24,000hrs
1 x 28W T5	2625	24,000hrs
1 x 54W T5	4450	24,000hrs

DTFA elite – for modular ceilings

Weight

	Louvre/ toughened glass	Louvre/TP(a) rated sheet	Acrylic/ toughened glass	Prismatic TP(a)
T5 4 x 14W	15.0 KG	13.0 KG	16.0 KG	11.0 KG
T5 4 x 24W	15.0 KG	13.0 KG	16.0 KG	11.0 KG
T5 2 x 28W	16.0 KG	14.0 KG	17.0 KG	12.0 KG
T5 4 x 28W	26.0 KG	20.0 KG	27.0 KG	18.0 KG
T5 2 x 54W	16.0 KG	14.0 KG	17.0 KG	12.0 KG
T5 3 x 54W	–	–	27.0 KG	18.0 KG
T5 4 x 54W	26.0 KG	20.0 KG	27.0 KG	18.0 KG

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

Ceiling Integration

Refer to common ceiling compatibility matrix – See page 404

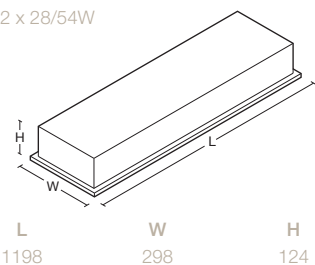
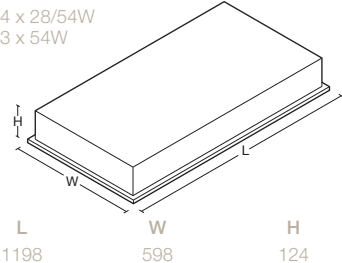
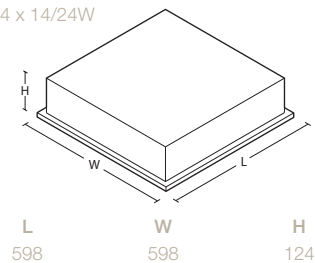
Exposed T Grids

T15/T25 Pull up

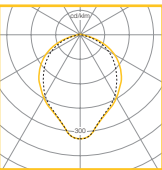
Spring T Grids

SAS – 150/120
Armstrong – Orcal 1800/3000
Burgess – Clip in/Abar
Dampa – Clip in

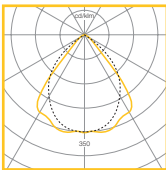
Dimensions



Photometric Performance



4 x 14W T5
Prismatic
• LOR = 62.6%
• SHR MAX = 1.39



4 x 14W T5
Louvre/glass
• LOR = 53.5%
• SHR MAX = 1.55

Utilisation Factors UF(F)

Room Reflectance	Room Index
C W F	1.00 3.00 5.00
0.70 0.50 0.20	0.42 0.60 0.65

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 0.55 0.58

To Specify

Recessed modular T5 clean room luminaire 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, suspension via robust aluminium cam brackets adjusted from outside the luminaire – as Whitecroft Lighting DTFA ELITE.