

DTFA Elite

IP65/54 recessed luminaire with sealed twin frame construction

Whitecroft
lighting



IP65

LED



Prismatic Diffuser



Cam Jacking Bracket

Optics

- Light source options:
 - LED Lumen packages that range from 3200 -11400 lumens (45W – 142W)

Or

- Lamp options:
 - 4 x 14/24W T5
 - 2 or 4 x 28W T5
 - 2, 3 or 4 x 54W T5
- Emergency Output (BLF):
 - Prismatic Acrylic & Glass - 270 Lumens
 - Prismatic TP(a) only - 284 Lumens
- 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 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.
- LED product also includes a diffusing sheet mounted behind the prismatic material
- LED product has colour rendering index of Ra greater than or equal to 80 as standard
- Ra greater than or equal to 90 is available as an option for enhanced examination in Healthcare environments

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
- 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
- RAL Colour: White RAL9016.
- 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

Order codes

Louvre above 3mm clear TP(a) rated sheet

Louvre above 3mm clear TP(a) rated sheet	HF Gear	3hr Emergency	LL/CW
T5 4 x 14W	DTFAWFH414	DTFAWFH414EMIN	48
T5 4 x 24W	DTFAWFH424	DTFAWFH424EMIN	35
T5 2 x 28W	DTFAWFH228	DTFAWFH228EMIN	39
T5 4 x 28W	DTFAWFH428	DTFAWFH428EMIN	51
T5 2 x 54W	DTFAWFH254	DTFAWFH254EMIN	33
T5 4 x 54W	DTFAWFH454	DTFAWFH454EMIN	39

Louvre above 4mm toughened glass

Louvre above 4mm toughened glass	HF Gear	3hr Emergency	LL/CW
T5 4 x 14W	DTFAWGH414	DTFAWGH414EMIN	43
T5 4 x 24W	DTFAWGH424	DTFAWGH424EMIN	34
T5 2 x 28W	DTFAWGH228	DTFAWGH228EMIN	40
T5 4 x 28W	DTFAWGH428	DTFAWGH428EMIN	45
T5 2 x 54W	DTFAWGH254	DTFAWGH254EMIN	34
T5 4 x 54W	DTFAWGH454	DTFAWGH454EMIN	41

Prismatic acrylic above 4mm toughened glass

Prismatic acrylic above 4mm toughened glass	HF Gear	3hr Emergency	LL/CW
T5 4 x 14W	DTFAAGH414	DTFAAGH414EMIN	47
T5 4 x 24W	DTFAAGH424	DTFAAGH424EMIN	39
T5 2 x 28W	DTFAAGH228	DTFAAGH228EMIN	44
T5 4 x 28W	DTFAAGH428	DTFAAGH428EMIN	50
T5 2 x 54W	DTFAAGH254	DTFAAGH254EMIN	37
T5 3 x 54W	DTFAAGH354	DTFAAGH354EMIN	43
T5 4 x 54W	DTFAAGH454	DTFAAGH454EMIN	44

Prismatic TP(a) single sheet

Prismatic TP(a) single sheet	HF Gear	3hr Emergency	LL/CW
T5 4 x 14W	DTFAKH414	DTFAKH414EM	50
T5 4 x 24W	DTFAKH424	DTFAKH424EM	38
T5 2 x 28W	DTFAKH228	DTFAKH228EM	42
T5 4 x 28W	DTFAKH428	DTFAKH428EM	53
T5 2 x 54W	DTFAKH254	DTFAKH254EM	36
T5 3 x 54W	DTFAKH354	DTFAKH354EM	45
T5 4 x 54W	DTFAKH454	DTFAKH454EM	42

Prismatic acrylic above 4mm toughened glass (LED)

B50						
Prismatic acrylic above 4mm toughened glass (LED)	HF Gear	3hr Emergency	LL/CW	L70	L80	L90
LED 3200 Lumens 45W (600x600)	DLAAGH14K	DLAAGH14KEM	71	>100k	>100k	65k
LED 5400 Lumens 73W (600x600)	DLAAGH24K	DLAAGH24KEM	74	>100k	84k	39k
LED 3200 Lumens 45W (1200x300)	DLAAGH34K	DLAAGH34KEM	71	>100k	>100k	65k
LED 5400 Lumens 73W (1200x300)	DLAAGH44K	DLAAGH44KEM	74	>100k	84k	39k
LED 6400 Lumens 90W (1200x600)	DLAAGH54K	DLAAGH54KEM	71	>100k	>100k	65k
LED 8100 Lumens 107W (1200x600)	DLAAGH64K	DLAAGH64KEM	76	>100k	>100k	46k
LED 10900 Lumens 142W (1200x600)	DLAAGH74K	DLAAGH74KEM	76	>100k	84k	39k

Note: Luminaire codes DLAAGY44K, DLAAGY54K and DLAAGY64K have 2 drivers and require 2 DALI addresses

Note: Luminaire codes DLAAGY74K have 3 drivers and require 3 DALI addresses

Prismatic TP(a) single sheet (LED)

				B50		
Prismatic TP(a) single sheet (LED)	HF Gear	3hr Emergency	LL/CW	L70	L80	L90
LED 3400 Lumens 45W (600x600)	DLAKH14K	DLAKH14KEM	75	>100k	>100k	65k
LED 5700 Lumens 73W (600x600)	DLAKH24K	DLAKH24KEM	78	>100k	84k	39k
LED 3400 Lumens 45W (1200x300)	DLAKH34K	DLAKH34KEM	75	>100k	>100k	65k
LED 5700 Lumens 73W (1200x300)	DLAKH44K	DLAKH44KEM	78	>100k	84k	39k
LED 6800 Lumens 90W (1200x600)	DLAKH54K	DLAKH54KEM	75	>100k	>100k	65k
LED 8600 Lumens 107W (1200x600)	DLAKH64K	DLAKH64K EM	80	>100k	>100k	46k
LED 11400 Lumens 142W (1200x600)	DLAKH74K	DLAKH74KEM	81	>100k	84k	39k

Note: Luminaire codes DLAKY44K, DLAKY54K and DLAKY64K have 2 drivers and require 2 DALI addresses

Note: Luminaire codes DLAKY74K have 3 drivers and require 3 DALI addresses

Accessories

Recessing Panel 14/24W lamps	RP600X600
Recessing Panel 28/54W three and four lamp options	RP600X1200
Recessing Panel 28/54W twin lamp options	RP300X1200

Options

COMEPS	Add suffix /EP	i.e DLAAGH14K/EP
DALI DIMMING	Replace H with Y	i.e DLAAGY14K
Ra90 (LED only)	Add 9 after D	i.e D9LAAGH14K
SWITCH DIM	Replace H with X	i.e DLAAGX14K

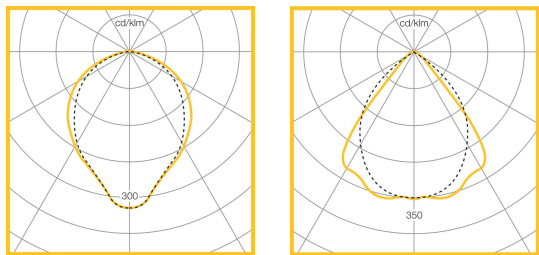
LED Performance

Colour Temp	RA (CRI)	Colour consistency
4000K	>80	MacAdam 3 SDCM

Dimensions

VERSION	L	W	H
4 x14/24W T5 and 600x600 LED	598	598	124
4 x 28/54W 3 x 54W T5 and 1200x600 LED	1198	598	124
2 x28/54W T5 and 1200x300 LED	1198	298	124

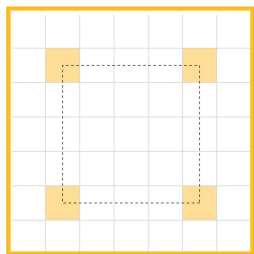
Photometric Performance



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

Performance Guide



Lamps	4 x 14W T5
Illuminance	465 lux
Spacing	2.4m x 2.4m
Maintenance	0.8
Reflectance	70/50/20
Ceiling Height	2.7m
Working plane	0.8m

To Specify

Recessed modular LED or 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

Application images

