

DTFA Elite

IP65/54 recessed luminaire with sealed twin frame construction

Whitecroft
lighting



IP65

LED



Cam Jacking Bracket

Optics

- Light source options:
 - LED Lumen packages that range from 3200 -11400 lumens (45W – 142W)
- Emergency Output (BLF):
 - Prismatic Acrylic & Glass - 270 Lumens
 - Prismatic TP(a) only - 284 Lumens
- All optics are TP(a) rated:
 - 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

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 600x600mm	RP600X600
Recessing Panel 600x1200mm	RP600X1200
Recessing Panel 300x1200mm	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

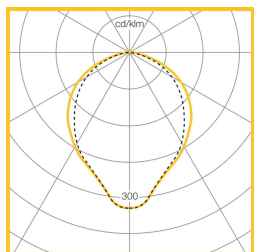
LED Performance

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

Dimensions

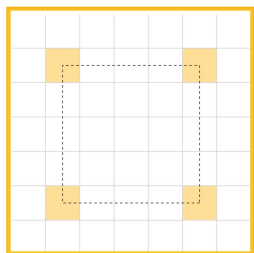
VERSION	L	W	H
600x600 LED	598	598	124
1200x600 LED	1198	598	124
1200x300 LED	1198	298	124

Photometric Performance



600x600mm 5700
lumen, 73W LED
LOR = 100%
SHR MAX = 1.39

Performance Guide



Lamps	4300 lumen LED
Illuminance	530 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 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

