

DTFA Elite

IP65/54 recessed luminaire with sealed twin frame construction



Cam Jacking Bracket

Optics

- Light source options:
 - LED Lumen packages ranging from 3208 to 11440 lumens (33.8W to 104.5W)
- 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

** For LG7 compliant optics for computer screen use, see Whitecroft DTFU **

Body

- Front access only
- Welded steel body finished white
- Compatible with modular Exposed Tee and Spring Tee ceilings.
- Recessing panels are recommended on Spring Tee 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
- Frame finished in white polyester powder coated paint (Poly Gloss)
- 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
- Emergency variants supplied with Lithium Iron Phosphate (LiFePO4) battery technology; featuring extended design life reducing replacement frequency to lower total cost of ownership, and advancing sustainability through support for end of life recycling

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
3208 Lumens 33.8W (600x600)	DLAAGH14K	DLAAGH14KLEM	95	>100k	>100k	65k
5430 Lumens 62.4W (600x600)	DLAAGH24K	DLAAGH24KLEM	87	>100k	84k	39k
3208 Lumens 34.1W (1200x300)	DLAAGH34K	DLAAGH34KLEM	94	>100k	>100k	65k
5430 Lumens 58.2W (1200x300)	DLAAGH44K	DLAAGH44KLEM	93	>100k	84k	39k
6417 Lumens 59.1W (1200x600)	DLAAGH54K	DLAAGH54KLEM	109	>100k	>100k	65k
8144 Lumens 71.5W (1200x600)	DLAAGH64K	DLAAGH64KLEM	114	>100k	>100k	46k
10859 Lumens 104.5W (1200x600)	DLAAGH74K	DLAAGH74KLEM	104	>100k	84k	39k

Note: All DALI variants have 1 driver, requiring 1 DALI address

Prismatic TP(a) single sheet (LED)

				B50		
Prismatic TP(a) single sheet (LED)	HF Gear	3hr Emergency	LL/CW	L70	L80	L90
3380 Lumens 33.8W (600x600)	DLAKH14K	DLAKH14KLEM	100	>100k	>100k	65k
5720 Lumens 62.4W (600x600)	DLAKH24K	DLAKH24KLEM	92	>100k	84k	39k
3380 Lumens 34.1W (1200x300)	DLAKH34K	DLAKH34KLEM	99	>100k	>100k	65k
5720 Lumens 58.2W (1200x300)	DLAKH44K	DLAKH44KLEM	98	>100k	84k	39k
6760 Lumens 59.1W (1200x600)	DLAKH54K	DLAKH54KLEM	114	>100k	>100k	65k
8580 Lumens 71.5W (1200x600)	DLAKH64K	DLAKH64K LEM	120	>100k	>100k	46k
11440 Lumens 104.5W (1200x600)	DLAKH74K	DLAKH74KLEM	109	>100k	84k	39k

Note: All DALI variants have 1 driver, requiring 1 DALI address

Accessories

Recessing Panel 600x600mm	RP600X600
Recessing Panel 300x1200mm	RP300X1200
Recessing Panel 600x1200mm	RP600X1200

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

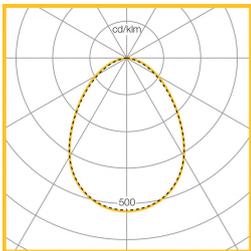
LED Performance

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

Dimensions

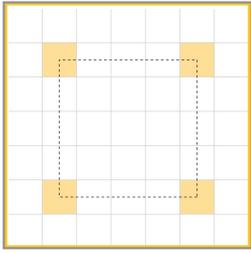
VERSION	L	W	H
600x600 LED	598	598	124
1200x600 LED	1198	598	124
1200x300 LED	1198	298	124

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

