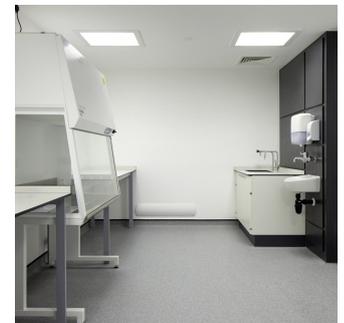


# DTFN Elite

IP65/54 recessed luminaire with sealed two frame construction



Jacking Bracket



## Optics

- LED Lumen packages ranging from 3390 to 11968 lumens (33.8W to 104.5W)
- Emergency Output (BLF):
  - Prismatic Acrylic & Glass - 285 Lumens
  - Prismatic TP(a) only - 297 Lumens
- All optics are TP(a) rated \*\*
  - 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 a colour rendering index of Ra >80 as standard
- Ra >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

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

# Body

- Front access
- Suitable for cut and prepared aperture ceilings and sandwich panels with capped aperture reinforcements up to a depth of 91mm with standard brackets or 155mm with special deep ceiling bracket
- Welded steel body finished white
- Frame finished in white polyester powder coated paint (Poly Gloss)
- 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
- 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. Concealed front frame fixings and white full gloss frames
- Solid aluminium side arm jacking brackets adjusted from within the sealed body
- The diffuser clamping system is highly secure and will accept glass. The inner frame design facilitates diffuser replacement
- 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, 725x603mm LED

				B50		
Prismatic acrylic above 4mm toughened glass, 725x603mm LED	HF Gear	3hr Emergency	LL/CW	L70	L80	L90
3390 lumens 33.8W	DLNAGH14K	DLNAGH14KLEM	100	>100k	>100k	65k
5738 lumens 62.4W	DLNAGH24K	DLNAGH24KLEM	92	>100k	84k	39k

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

### Prismatic acrylic above 4mm toughened glass, 1325x370mm LED

				B50		
Prismatic acrylic above 4mm toughened glass, 1325x370mm LED	HF Gear	3hr Emergency	LL/CW	L70	L80	L90
3390 lumens 34.1W	DLNAGH34K	DLNAGH34KLEM	99	>100k	>100k	65k
5738 lumens 58.2W	DLNAGH44K	DLNAGH44KLEM	99	>100k	84k	39k

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

### Prismatic acrylic above 4mm toughened glass, 1325x603mm LED

				B50		
Prismatic acrylic above 4mm toughened glass, 1325x603mm LED	HF Gear	3hr Emergency	LL/CW	L70	L80	L90
6781 lumens 59.1W	DLNAGH54K	DLNAGH54KLEM	115	>100k	>100k	65k
8606 lumens 71.5W	DLNAGH64K	DLNAGH64KLEM	120	>100k	>100k	46k
11475 lumens 104.5W	DLNAGH74K	DLNAGH74KLEM	110	>100k	84k	39k

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

## Prismatic TP(a) single sheet. 725x603mm LED

				B50		
Prismatic TP(a) single sheet. 725x603mm LED	HF Gear	3hr Emergency	LL/CW	L70	L80	L90
3536 lumens 33.8W	DLNKH14K	DLNKH14KLEM	105	>100k	>100k	65k
5984 lumens 62.4W	DLNKH24K	DLNKH24KLEM	96	>100k	84k	39k

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

## Prismatic TP(a) single sheet, 1325x370mm LED

				B50		
Prismatic TP(a) single sheet, 1325x370mm LED	HF Gear	3hr Emergency	LL/CW	L70	L80	L90
3536 lumens 34.1W	DLNKH34K	DLNKH34KLEM	104	>100k	>100k	65k
5984 lumens 58.2W	DLNKH44K	DLNKH44KLEM	103	>100k	84k	39k

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

## Prismatic TP(a) single sheet, 1325x603mm LED

				B50		
Prismatic TP(a) single sheet, 1325x603mm LED	HF Gear	3hr Emergency	LL/CW	L70	L80	L90
7072 lumens 59.1W	DLNKH54K	DLNKH54KLEM	120	>100k	>100k	65k
8976 lumens 71.5W	DLNKH64K	DLNKH64KLEM	125	>100k	>100k	46k
11968 lumens 104.5W	DLNKH74K	DLNKH74KLEM	114	>100k	84k	39k

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

## Accessories

Deep Ceiling Bracket nom 725x603mm	CB/150CBKT600
Deep Ceiling Bracket nom 1325x603mm	CB/150CBKT1200

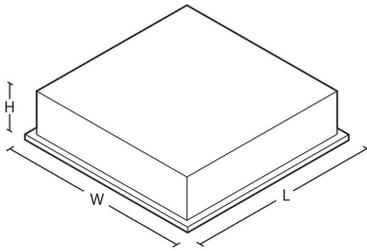
## Options

COMEPS	Add suffix /EP	i.e DLNKH14K/EP
DALI DIMMING	Replace H with Y	i.e DLNKY14K
Ra90	Add 9 after D	i.e D9LNKH14K

# LED Performance

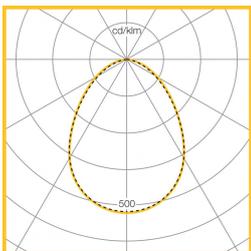
Colour Temp	RA (CRI)	Colour consistency
4000K	>80	MacAdam 3 SDCM

## Dimensions



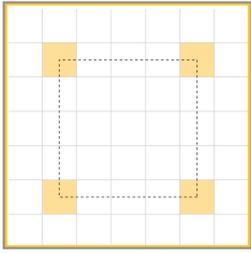
Description	L	W	H	KG Diffuser	KG(EM) Diffuser	KG Glass	KG(EM) Glass	Prepared Aperture
Front access	725	603	124	13	14	17	18	555 x 677 -0 +5
Rear access	725	603	145	13	14	17	18	555 x 677 -0 +5
Front access	1325	603	124	14	15	18	19	555 x 1277 -0 +5
Rear access	1325	603	145	14	15	18	19	555 x 1277 -0 +5
Front access	1325	370	124	20	21	28	29	322 x 1277 -0 +5
Rear access	1325	370	145	20	21	28	29	322 x 1277 -0 +5

## Photometric Performance



600x600mm, 6000  
lumen, 68W LED  
LOR = 100%  
SHR MAX = 1.39

# Performance Guide



Lamps	3500 lumen LED
Illuminance	550 lux
Spacing	2.4m x 2.4m
Maintenance	0.8
Reflectance	70/50/20
Ceiling Height	2.7m
Working plane	0.8m

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## To Specify

Recessed non-modular LED clean room luminaire for 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. Suspension via solid aluminium jacking brackets adjusted from inside the luminaire - as Whitecroft Lighting DTFN ELITE

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## Application images

