

DTFN Elite

IP65/54 recessed luminaire with sealed two frame construction

Whitecroft
lighting

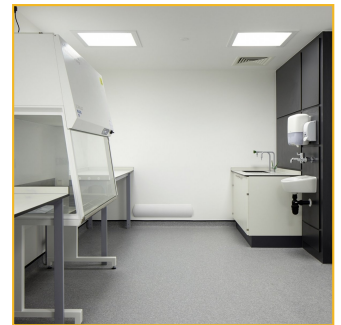


IP $\frac{54}{65}$

LED



Jacking Bracket



Optics

- LED Lumen packages that range from 3400 -12000 lumens (45W – 142W)
- 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

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
- RAL Colour: White RAL9016.
- 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

Order codes

Prismatic acrylic above 4mm toughened glass, 600x600mm LED

				B50		
Prismatic acrylic above 4mm toughened glass, 600x600mm LED	HF Gear	3hr Emergency	LL/CW	L70	L80	L90
3400 lumens 38W	DLNAGH14K	DLNAGH14KEM	75	>100k	>100k	65k
5700 lumens 68W	DLNAGH24K	DLNAGH24KEM	79	>100k	84k	39k

Prismatic acrylic above 4mm toughened glass, 1200x300mm LED

				B50		
Prismatic acrylic above 4mm toughened glass, 1200x300mm LED	HF Gear	3hr Emergency	LL/CW	L70	L80	L90
3400 lumens 33W	DLNAGH34K	DLNAGH34KEM	75	>100k	>100k	65k
5700 lumens 57W	DLNAGH44K	DLNAGH44KEM	79	>100k	84k	39k

Note: Luminaire codes DLNAGY44K have 2 drivers and require 2 DALI addresses

Prismatic acrylic above 4mm toughened glass, 1200x600mm LED

				B50		
Prismatic acrylic above 4mm toughened glass, 1200x600mm LED	HF Gear	3hr Emergency	LL/CW	L70	L80	L90
6800 lumens 59W	DLNAGH54K	DLNAGH54KEM	75	>100k	>100k	65k
8600 lumens 75W	DLNAGH64K	DLNAGH64KEM	80	>100k	>100k	46k
11500 lumens 104W	DLNAGH74K	DLNAGH74KEM	81	>100k	84k	39k

Note: Luminaire codes DLNAGY54K and DLNAGY64K have 2 drivers and require 2 DALI addresses

Note: Luminaire codes DLNAGY74K have 3 drivers and require 3 DALI addresses

Prismatic TP(a) single sheet. 600x600mm LED

				B50		
Prismatic TP(a) single sheet. 600x600mm LED	HF Gear	3hr Emergency	LL/CW	L70	L80	L90
3500 lumens 38W	DLNKH14K	DLNKH14KEM	79	>100k	>100k	65k
6000 lumens 68W	DLNKH24K	DLNKH24KEM	82	>100k	84k	39k

Prismatic TP(a) single sheet, 1200x300mm LED

				B50		
Prismatic TP(a) single sheet, 1200x300mm LED	HF Gear	3hr Emergency	LL/CW	L70	L80	L90
3500 lumens 33W	DLNKH34K	DLNKH34KEM	79	>100k	>100k	65k
6000 lumens 57W	DLNKH44K	DLNKH44KEM	82	>100k	84k	39k

Note: Luminaire codes DLNKY44K have 2 drivers and require 2 DALI addresses

Prismatic TP(a) single sheet, 1200x600mm LED

				B50		
Prismatic TP(a) single sheet, 1200x600mm LED	HF Gear	3hr Emergency	LL/CW	L70	L80	L90
7100 lumens 59W	DLNKH54K	DLNKH54KEM	79	>100k	>100k	65k
9000 lumens 75W	DLNKH64K	DLNKH64KEM	84	>100k	>100k	46k
12,000 lumens 104W	DLNKH74K	DLNKH74KEM	84	>100k	84k	39k

Note: Luminaire codes DLNKY54K and DLNKY64K have 2 drivers and require 2 DALI addresses
Note: Luminaire codes DLNKY74K have 3 drivers and require 3 DALI addresses

Accessories

Deep Ceiling Bracket nom 600x600mm	CB/150CBKT600
Deep Ceiling Bracket nom 1200x600mm	CB/150CBKT1200

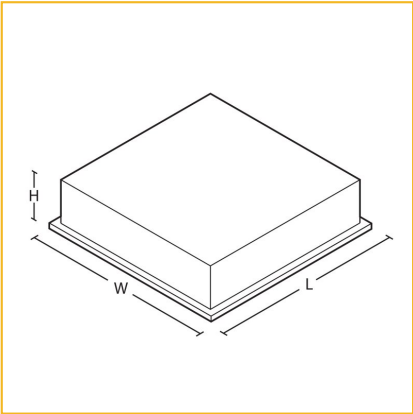
Options

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
SWITCH DIM	Replace H with X	i.e DLNKX14K

LED Performance

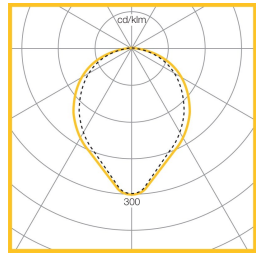
Colour Temp	RA (CRI)	Colour consistency
4000K	>80	MacAdam 3 SDCM

Dimensions



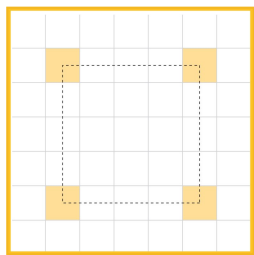
L	W	H	Prepared Aperture
725	603	124	555 x 677 -0 +5
725	603	145	555 x 677 -0+5
1325	603	124	555 x 1277 -0 +5
1325	603	145	555 x 1277 -0 +5
1325	370	124	322 x 1277 -0 +5
1325	370	145	322 x 1277 -0 +5

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

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

Application images

