



Optics

- Lamp options:
 - 4 x 55W TC-L
- 2 x 55W lamps controlled by high frequency dimming gear with semi-specular cross blade louvre delivering a controlled cut off for maximum patient comfort
- 2 x 55W lamps controlled by high frequency gear with reflector and twin sheet diffuser for best visual comfort – used with the above at full output for examination (1000 Lux)
- 3 pre-set light levels on louvre side, dimmed by means of a 3 position switch (not supplied):
 - Low for watchlight (10-20 Lux)
 - Medium for patient rest (30-50 Lux)
 - High for general clinical care (400 Lux)
- The diffuser is smooth face to room for ease of cleaning

Body

- Dual IP rated to avoid any ingress of contamination from the void – IP65 frame on, IP54 during lamp change – BSI IP65/54 certified
- Sealed drop rod suspension option, bungs can be removed if required, standard fixings are as illustrated opposite
- Rigid body in steel finished white
- Modular version designed to engage below 600 x 600mm modular exposed T25 & spring T grids (refer to the ceiling compatibility matrix on page 404), non modular version fits prepared aperture ceilings from 35-90mm as standard
- Extruded aluminium twin frame construction with angled integration to eliminate any vertical gap finished white. Outer frame sealed to the ceiling by a closed cell gasket. Mastic sealant can also be used between outer frame and ceiling without impairing access to lamps
- No visible screws

HDU

Order Codes

HDU (Modular Ceilings)	Standard
TC-L 4 x 55W	HDUM455R
HDU (Prepared Aperture)	Standard
TC-L 4 x 55W	HDUN455R
Options	
RECESSING PANEL to retain integrity on spring T ceilings	RP600x600



Cam jacking bracket modular ceilings

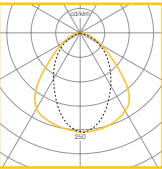


Solid aluminium jacking bracket prepared aperture version

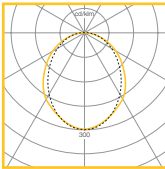
Lamp Performance

Wattage	IL@25°C	Lamp Life
1 x 55W TC-L	4800	12,000hrs

Photometric Performance



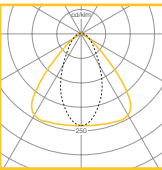
4 x 55W TC-L
Dual Optic –
Louvre & Diffuser
• LOR = 53.2%
• SHR MAX = 1.57



2 x 55W TC-L
Diffuser Side Only
• LOR = 71.8%
• SHR MAX = 1.52

Utilisation Factors UF(F)

Room Reflectance			Room Index		
C	W	F	1.00	3.00	5.00
0.70	0.50	0.20	0.40	0.53	0.56



2 x 55W TC-L
Louvre Side Only
• LOR = 33.1%
• SHR MAX = 1.61

Utilisation Factors UF(F)

Room Reflectance			Room Index		
C	W	F	1.00	3.00	5.00
0.70	0.50	0.20	0.29	0.35	0.36

HDUM Ceiling Integration

Refer to common ceiling
compatibility matrix –
See page 404

Exposed T Grids

T15/T25 Pull up

Spring T Grids (Recessing panel required)

SAS – 150/120
Armstrong – Orcal 1800/3000
Burgess – Clip in/Abar
Dampa – Clip in

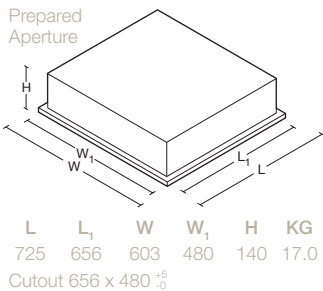
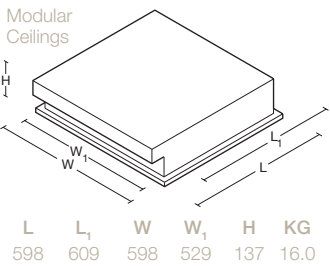
HDUN Ceiling Integration

Refer to common ceiling
compatibility matrix –
See page 404

Plasterboard

Prepared aperture

Dimensions



To Specify

IP65/54, 4 x 55W TC-L multi-function luminaire meeting CIBSE recommendations for high dependency units. 2 x 55W lamps controlled by high frequency dimming gear with semi-specular cross blade louvre delivering a sharp cut off for maximum patient comfort and 2 x 55W lamps controlled by high frequency gear with reflector and twin sheet diffuser. Diffuser with smooth face to room in twin aluminium frame with gapless integration and cap fixings for best infection control – as Whitecroft Lighting HDU