

# HDU LED

IP65/54 high dependency unit luminaire



Cam Jacking Bracket  
Modular Ceilings



Jacking Bracket Prepared  
Aperture Version

## Optics

- Dual optic, high dependency unit luminaire with two specialised sides
  1. Louvre optic
    - Semi-specular cross blade louvre with opal diffuser mounted behind to deliver a controlled cut off for maximum patient comfort– Dimming control gear with 3 pre-set light levels dimmed by means of a 3 position switch (not supplied)
  2. Diffuser optic
    - Reflector and twin sheet diffuser for optimum visual comfort
    - Fixed output control gear for on/off switching
    - Smooth front face to the room for ease of cleaning
- Outputs;
  1. Total output of both optics for 1000 lux examination - 11,200 lumens (146W)
  2. Louvre side full output- 3050 lumens (54W) with three dimming options;
    - Low for watchlight (10-20 lux)
    - Medium for patient rest (30-50 lux)
    - High for general clinical care (400 lux)
- 'Cool' white 4000K LED colour temperature
- Ra >90 colour rendering index

## Body

- Dual IP rated to avoid any ingress of contamination from the void - IP65 frame on, IP54 when removed - BSI IP65/54 certified
- Sealed drop rod suspension option, bungs can be removed if required, standard fixings are as illustrated
- Rigid body in steel finished white
- Frame finished in white polyester powder coated paint (Poly Gloss)
- Modular version designed to engage below 600 x 600mm modular exposed T25 and spring T grids (refer to ceiling compatibility matrix on Whitecroft website), 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
- No visible screws

## Order codes

		B50			
		LL/CW	L70	L80	L90
Modular	HDLMHR14K	77	100K	62K	28K
Prepared aperture	HDLNHR14K	77	100K	62K	28K

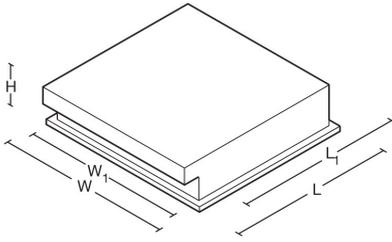
## Recessing Panel

Recessing panel to retain integrity on spring T ceilings      RP600x600

## LED Performance

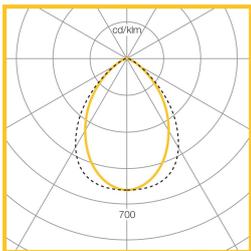
Colour Temp	RA (CRI)	Colour consistency
4000K	>90	MacAdam 3 SDCM

# Dimensions

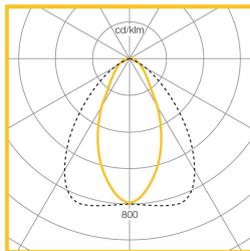


VERSION	L	L1	W	W1	H	KG
Modular Ceiling	598	609	598	529	137	12
Prepared Aperture	725	656	603	480	140	13

# Photometric Performance



Dual Optic 146W  
 LED 11,200  
 Lumens 4000K  
 LOR = 100.0%  
 SHR MAX = 1.26



Louvre Optic 54W  
 LED 3050 Lumens  
 4000K  
 LOR = 100.0%

# To Specify

IP65/54, LED multi-function luminaire meeting CIBSE recommendations for high dependency units. Two optics for specific lighting requirements; louvre optic with LEDs controlled by dimming gear with semi-specular cross blade louvre delivering a sharp cut off for maximum patient comfort, diffuser optic LEDs controlled by fixed output 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 LED