



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
- 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

HDU LED

Order Codes

HDU LED

Modular

Prepared aperture

Options

Recessing panel to retain integrity on spring T ceilings

HDLMHY14K

HDLNHY14K

RP600x600

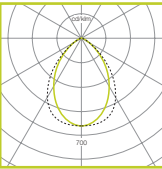


Cam jacking bracket modular ceilings

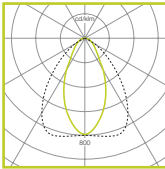


Solid aluminium jacking bracket prepared aperture version

Photometric Performance



Dual optic
146W LED
11,200 lumens
4000K
• LOR = 100%
• SHR MAX = 1.26



Louvre optic
54W LED
3050 lumens
4000K
• LOR = 100%
• SHR MAX = 0.97

Utilisation Factors UF(F)

Room Reflectance			Room Index		
C	W	F	1.00	3.00	5.00
0.70	0.50	0.20	0.81	1.02	1.08

Utilisation Factors UF(F)

Room Reflectance			Room Index		
C	W	F	1.00	3.00	5.00
0.70	0.50	0.20	0.79	1.02	1.07

Ceiling Integration

HDU LED Modular

Refer to common ceiling compatibility matrix – See Whitecroft website

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

HDU LED Prepared Aperture

Refer to common ceiling compatibility matrix – See Whitecroft website

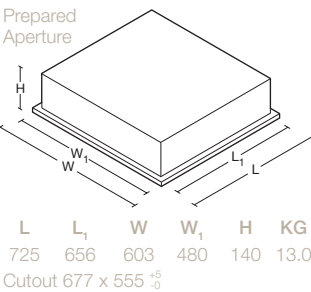
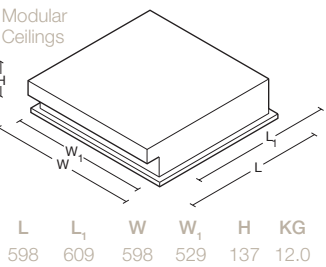
Plasterboard

Prepared aperture

LED Performance

Version	Colour Temp	Ra (CRI)	Life Expectancy	Colour Consistency
Louvre optic side	4000K	Ra>90	L ₈₀ (62,000hrs)	MacAdam 3 SDCM
Diffuser optic side	4000K	Ra>90	L ₈₀ (81,000hrs)	MacAdam 3 SDCM

Dimensions



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