

# LISTER 2 LED



## MODULAR GRID RECESSED CLEAN AREA LED LUMINAIRE Installation Instructions

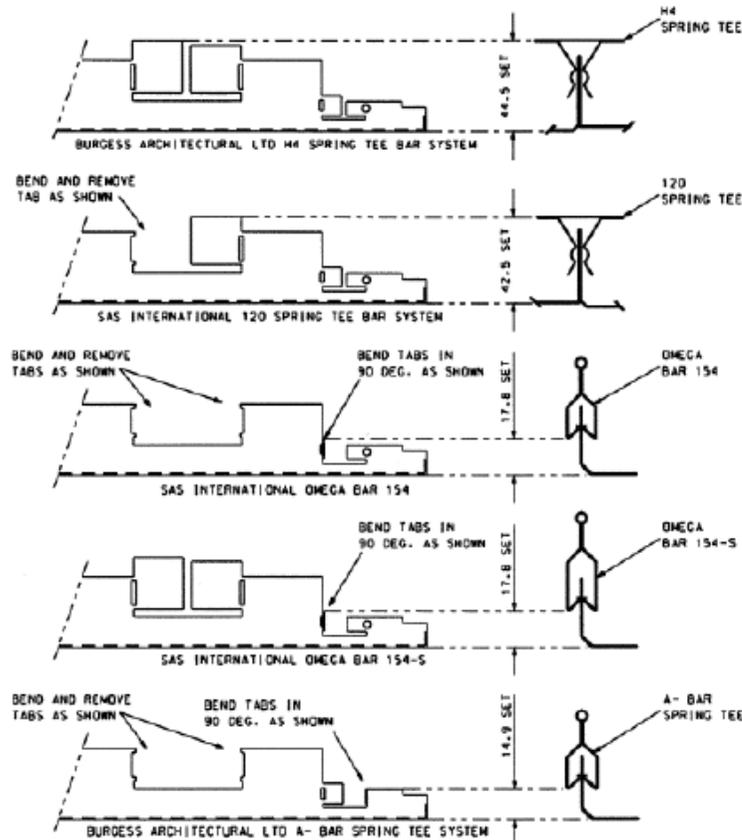
### GENERAL INFORMATION

1. A qualified electrician, in accordance with IEE wiring regulations should carry out connection to mains wiring.
2. This luminaire must be EARTHED.
3. Ensure that the rated luminaire voltage and frequency requirements are compatible with the available mains supply.
4. If the luminaire incorporates high frequency electronic control gear, do not carry out high voltage insulation test, i.e. 500/1000v this may damage internal components.
5. Cleaning of the diffuser should be carried out using a lint free cloth and soapy water.
6. This luminaire is not suitable for mounting on normally flammable surface.
7. If you have any further queries, please contact **WHITECROFT TECHNICAL**.

### PRODUCT DATA

LISTER 2 is a high quality IP65/20 recessed luminaire for Clean Rooms with modular grid ceilings classified up to EEC GMP Class D or FS209D Class 100,000  
Compatible with modular Exposed T, Spring T ceilings & Prepared Aperture  
Recessing panels are recommended on spring T ceilings to retain room integrity.

Recessing Panel RP600x600 for 14, 24 Type  
RP300x1200 for 34, 44 Type  
RP600x1200 for 54, 64 Type



PK/ LFTLISTERLED

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## SPECIFICATION

Finish	Body- RAL 9010	Frame - RAL 901
Materials	Mild steel	
LED engine	14,34 - 3500 Lumens- 33W	
	24,44 - 6000 Lumens- 57.4W	
	54 - 7000 Lumens- 59.4W	
	64 - 12000 Lumens- 104.4W	
Operating temp	25°C	
Connection	Terminal block	
Supply	240V	
Ingress protection	IP65 with frame in position,	

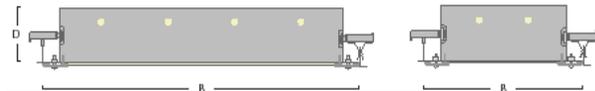
**Note** that the weights given in the table below include emergency inverter and battery

LAMPWAYS	Frame Dimension	Void depth	Weight
14	599 X 599 mm	102	7 kg
24	599 X 599 mm	102	7 kg
34	299 x 1199 mm	102	7 kg
44	299 x 1199 mm	102	8 kg
54	599 x 1199 mm	102	15 kg
64	599 x 1199 mm	102	15 kg

## DIMENSIONS



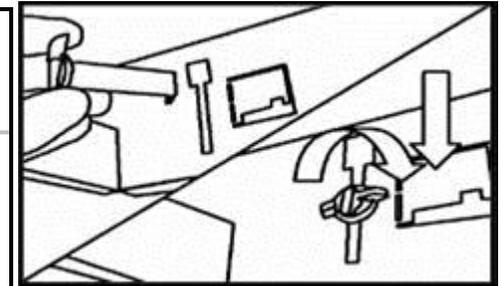
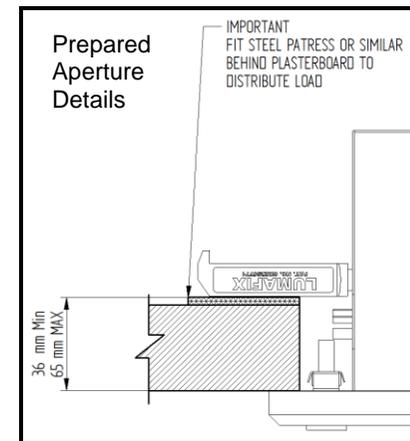
Note  
Boxed End Clearance = 45mm



Lamp Ways	Maximum Depth (mm) Void Clearance D	Length over front frame Transverse (mm) A	Length over front frame Axial (mm) B	Maximum Depth (mm) Overall Depth C	Prepared Aperture (mm) Tolerance +/-3
14,24 – LED	102	599	599	113	576 x 576
34,44 – LED	102	1199	299	113	1176 x 276
54,64 – LED	102	1199	599	113	1176 x 576

## INSTALLATION DETAILS

- 1) Remove the diffuser frame from the body by unscrewing the retaining screws
- 2) Remove the internal geartray assembly from the body by slackening fixing screws & detaching any earth & maintenance cords
- 3) The body of the luminaire is retained on the ceiling grid by Lumafix brackets which protrude through slots in the body.
- 4) Offer the luminaire body fully into the ceiling and push the Lumafix brackets (supplied in separate bag in box) through the slots and turn the locking wing to fix the brackets at the desired height in the slot. See sketch below
- 5) For prepared aperture ceilings, battens must be fitted along aperture sides to spread the luminaire load & the height must fall within adjustment range indicated.
- 6) Note that for the body lower trim to be fully held against the ceiling you may have to push the luminaire up against the grid whilst adjusting the Lumafix brackets
- 5) Feed the power supply cable through the cable entry hole in the body and connect to the gear tray. (If the luminaire is an emergency fitting feed the emergency supply cable through the second entry hole & connect battery cables)
- 6) Replace the LED gear tray back into the body ensuring earth lead is connected.
- 7) Once the body and gear tray are in position and the electrical wiring connections made, fit the frame to the body and screw into place. Make sure the gasket in the frame is in good compressed contact with the ceiling and fit the screw cap mouldings over the screw holes (screw cap mouldings supplied in separate bag)



**WARNING:** To prevent damage to the body, frame or gasket, ensure that the Frame Screws do not exceed a torque of:

## TECHNICAL SUPPORT

Telephone: 0161 331 5700

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