



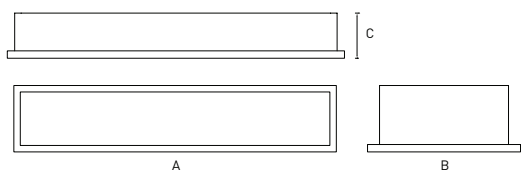
# CLEANROOM IP44 LED

A range of luminaires developed for specialist 'cleanroom' applications

- + PLEASE READ THIS GUIDE CAREFULLY BEFORE INSTALLING OR MAINTAINING THIS EQUIPMENT.
- + DATA SHOULD BE USED AS AN INDICATION ONLY.
- + GOOD ELECTRICAL PRACTICES SHOULD BE FOLLOWED AT ALL TIMES.
- + MUST ONLY BE INSTALLED BY A LICENSED ELECTRICIAN.

## N18226

### TECHNICAL INFORMATION



| Fitting    | A    | B   | C   | kg. | Cutout |     |
|------------|------|-----|-----|-----|--------|-----|
| 1220 x 330 | 1220 | 330 | 100 | 9.9 | 1190   | 300 |
| 660 x 330  | 660  | 330 | 100 | 6.1 | 630    | 300 |
| 660 x 660  | 660  | 660 | 100 | 9.9 | 630    | 630 |

| W                      | Size       | System lm | lm   | lm/W | K    | CRI | Power Factor | COI | Code           |
|------------------------|------------|-----------|------|------|------|-----|--------------|-----|----------------|
| Cleanroom IP44 - DELTA |            |           |      |      |      |     |              |     |                |
| 30                     | 1220 x 330 | 4000      | 2836 | 95.4 | 4000 | 93  | 0.96         | 2.2 | EL-CR44L-1102- |
| 47                     | 1220 x 330 | 6000      | 4277 | 91.0 | 4000 | 93  | 0.98         | 2.2 | EL-CR44L-1103- |
| 17                     | 660 x 330  | 2000      | 1422 | 83.4 | 4000 | 93  | 0.90         | 2.2 | EL-CR44L-3102- |
| 25                     | 660 x 330  | 3000      | 2059 | 83.4 | 4000 | 93  | 0.94         | 2.2 | EL-CR44L-3103- |
| 30                     | 660 x 660  | 4000      | 2872 | 96.2 | 4000 | 93  | 0.96         | 2.2 | EL-CR44L-5102- |
| 47                     | 660 x 660  | 6000      | 4301 | 91.9 | 4000 | 93  | 0.98         | 2.2 | EL-CR44L-5103- |

## SPECIFICATION



Luminaire's light distribution is direct.



Denotes which light source/light sources that can be supplied with the luminaire. Several symbols next to the same luminaire indicate that the luminaire is available in different designs.



**IP classification:**  
**IP44 :** Protected against solid objects over 1mm (tools, wires, and small wires). Protection against splashing water from any direction (splash proof) - limited ingress permitted.



**Class I :** Appliances with functioning insulation. Equipped with an earth termination.



Luminaire is available in designs for conventional emergency lighting operation.



This luminaire is not suitable for covering with thermally insulating material.

| Wiring options                      | Suffix |
|-------------------------------------|--------|
| Standard                            | -000   |
| DALI/STD terminal block             | -200   |
| Standard/Fused terminal block       | -400   |
| DALI/Fused terminal block           | -600   |
| Maintained Emergency                | -800   |
| Maintained DALI Monitored Emergency | -801   |

| Technical specifications                           |
|--|
| Total Luminaire Efficacy Maximum, 96lm/w (CRI 90+) |
| MacAdam 3 SDCM Initial                             |
| CRI 93   |
| Lifetime L90/B10/up to 69,000 hrs                  |
| System guarantee 5 years                           |
| 30W: 1.26/m <sup>2</sup> /100 lux                  |
| 47W: 1.32W/m <sup>2</sup> /100 lux                 |

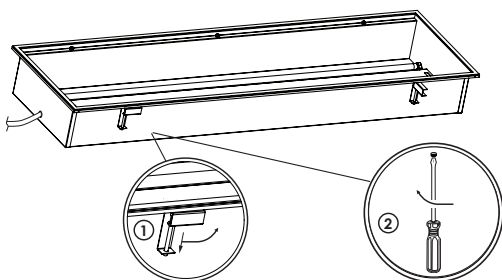
**PLEASE NOTE:** The cutout sizes shown above refer to **only** these specific product codes and **no other** Cleanroom products. If you are unsure of the cutout size required for your Cleanroom fitting, please ask your ELA representative.

## INSTALLATION INSTRUCTIONS

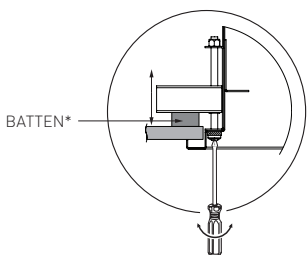
The Cleanroom IP44 LED luminaire is shipped as a complete luminaire.

### Cleanroom IP44 LED | Plaster Recessed

- Step 1: Starting from one corner release frame from base by forcing pressure upwards to release the seal in positions in the four corners. Frame will still remain attached to base by interior torsion springs.
- Step 2: Slide hand between frame and base into fitting to release torsion springs from the base. 4 x torsion springs require squeezing inward on base end of the spring to release frame from base.
- Step 3: Ensure toggle arms are turned in and run flush against body of fitting so it will enter ceiling cut out. Using Phillips head screwdriver, turn screw anti-clockwise to ensure toggle recess arms are set to maximum travel to allow a maximum ceiling thickness of 50mm.



- Step 4: Use a Phillips head screwdriver in a clockwise direction to tension up toggle recess arms against inside of ceiling. Perform this on all four screws to secure fitting to ceiling.

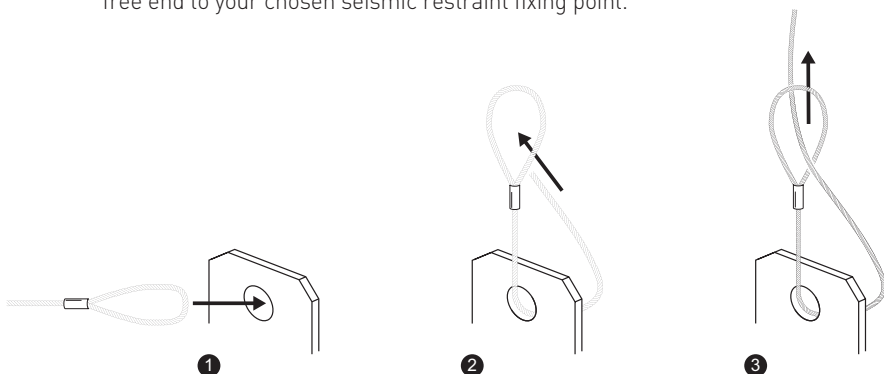


- Step 5: Once all the torsion springs are reattached, press the frame firmly against the body. This will fully engage the torsion springs and will result in a tight seal.

\*Batten: Note, install timber or ceiling batten to support fitting along body under swing arms to be provided by others.

### Seismic Restraint Installation

- Step 1: Thread suspension wire through seismic restraint tag.
- Step 2: Thread the free end of the suspension wire through the loop.
- Step 3: Attach the gripper to the free end, allowing enough wire to attach the free end to your chosen seismic restraint fixing point.



# CLEANROOM IP44 LED

## GENERAL INFORMATION

- + A qualified electrician, in accordance with AS/NZS 3000:2007 wiring regulations should carry out connection to mains wiring.
- + This unit must be EARTHED.
- + Ensure that the rated voltage and frequency requirements are compatible with the available mains supply, 220-240V 50Hz
- + Cleaning of reflectors and lenses should be carried out using clean, soft and lint free cloths and anti-static cleaning fluid.
- + Do not carry out high voltage insulation test i.e. 500/1000V this may damage the fixtures electrical components.

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