



# Installation Instructions for: Square Solstar Recessed

Crompton Modular Recessed luminaires comply with BSEN60598-1 (IP20).  
Approved normal ambient temperature range: 5°C to 25°C.  
Radio interference: 18 - 58W high frequency luminaires comply with EMC requirements.

Testing of insulation resistance. In accordance with IEE Regulations, electronic ballast luminaires should be disconnected from supply before insulation resistance testing of wiring.

## 1. Luminaire Installation

- Before installation ensure that the ceiling support system is adequate to carry total luminaire weight.
- Offer housing up into prepared aperture. Insert bearer through side slot to retain luminaire.  
Repeat for all four bearers.
- Lift luminaire, clamp bearer arms down into lowest position and tighten locking screws.
- Connect supply and earth conductors to the three way terminal block marker N, ⊕ & L.  
**LUMINAIRE MUST BE EARTHED**
- Insert lamps.

## 2. Louvre Installation

- Offer louvre (use gloves provided to avoid finger marks) to housing, locate springs into slots in housing on one side, connect earth lead from housing to tag on attachment, then swing opposite side upwards and locate springs in slots. Push with an upward pressure on both sides of attachment to fully locate springs into housing.
- To remove louvre, pull carefully down to expose all springs, placing fingers on the top of the cross blade taking care not to mark the louvre with bare fingers. Detach the springs on one side, allowing attachment to hinge from one side.

## 3. Diffuser Frame Installation

- Mount housing into ceiling. Connect retaining safety cords and earth lead to the diffuser frame. The frame is retained by springs which close under pressure.

## Safe Operation

- Check the rating label for voltage and frequency before connecting this luminaire to the electrical supply.
- Ensure that the mains supply is switched off when working on this luminaire, whether installing, re-lamping or carrying out any other servicing.
- Use the correct lamps as initially supplied or as indicated on the ballast label.
- This luminaire is suitable for mounting in direct contact with non-combustible materials, e.g. metal, concrete, plaster. It is also suitable for mounting adjacent to normally flammable materials, e.g. timber, chipboard, providing the top surface is spaced not less than 25mm from such materials. Do not mount luminaire on or close to readily flammable materials.
- To prevent damage to H.F. Ballasts do not mix H.F. and Conventional Magnetic Ballasts (Switch, Quick or S.R. Start) on the same electrical circuit.

## Servicing and Lamp Disposal

- At commissioning and handing over of installation ensure that a copy of these instructions are presented to the authority responsible for the operation and maintenance of the luminaires.
- Servicing, e.g. cleaning, lamp replacement, must only be carried out after the electricity supply has been switched off. It must not be assumed that luminaires with lamps not lit are switched off- always check before servicing.
- Cleaning should be carried out at regular intervals to ensure that dirt does not accumulate to an extent that will impair the thermal safety of the luminaire. Regular cleaning will also ensure that the optical performance of the luminaires is maintained.
- Failed lamps and starter switches must be replaced as soon as practicable by lamps and starters of the same type.  
For electronic start circuits allow one minute for the thermal cut-out to re-set before switching on the mains supply.
- Lamps should be disposed of by breaking them in a container. Precautions must be taken against flying glass or other fragments. This should be done out of doors or in a well ventilated area. Disposal of the debris of large quantities of lamps may be the subject of special regulations of your Local Authority who should be consulted for specific guidance.
- All other parts of these luminaires, in small quantities, may be disposed of in the normal way. However, if large quantities of plastic are to be incinerated special precautions would be taken against the fumes which may be given off. The capacitors in these luminaires are of the dry-film type and contain no materials likely to be injurious.

### Head Office

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