IP54

Moduspec, Moducell & Moduseal

These luminaires comply with BSEN60598-1 (IP20) (Moduseal is manufactured to comply with IP54) and are for use in proprietary metric suspended ceiling systems. Where use in more onerous situations is required, e.g. in part-completed buildings before "drying-out" is completed, or areas where ambient temperatures are outside the normal temperature range, then consult our Sales Office.

Approved normal ambient temperature range: 5°C to 25°C.

Radio interference: 18 - 70W switchstart luminaires comply with EMC requirements.

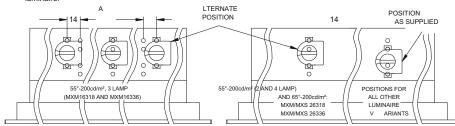
 Testing of insulation resistance. In accordance with IEE Regulations, electronic ballast luminaires should be disconnected from supply before insulation resistance testing of wiring.

2. METHODS OF FIXING LUMINAIRE

Moduseal luminaires can only be installed by drawing the housing up to the ceiling using either rod suspension or bearer brackets supplied with the fitting.

To comply with lighting design ensure 600 x 600mm louvred luminaires are installed with all lamps in same direction. For three lamp 55°-200cd/m² louves: MXM16318 and MXM16336. Move the outer Lampholders into the alternate fixing holes which are 14mm further apart from the centre of the luminaire.

For all other 55°-200cd/m² Louves (Moduspec and Moducell) and the following 65°-200cd/m² louvres: MXS26318, MXS26336, MXM26318 and MXM26336, move the Lampholders into the alternate fixing holes nearest the back of the luminaire

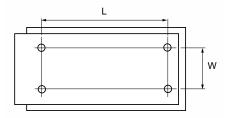


ROD SUSPENSION

a. Fix four 6mm suspension rods to main structure to line up with 4 x 9.6mm holes in housing

SUSPENSION FIXING CENTRES

LUMINAIRE NOMINAL DIMENSIONS	FIXING CENTRES	
	L	W
300 x 600	480	180
300 x 1200	900	180
300 x 1500	1350	180
600 x 600	480	480
600 x 1200	900	480
600 x 1800	1350	480



- b. Lift housing into ceiling aperture whilst positioning down rods through holes. Place washers and nuts on to rods to take the weight of the housing. Note: for louvred luminaires the rods must not protrude more than 12mm into the housing.
- Adjust support nuts to obtain correct trim level.
- d. Before installation ensure that the ceiling support system is adequate to carry total luminaire weight and that the end tee can be accommodated in the 45mm end box clearance from front face of luminaire.
- e. Offer housing up into prepared aperture. Insert all four bearers through side slots to retain luminaire.
- Lift luminaire, clamp bearer arms down into lowest position and tighten locking screws.



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3. Connect supply and earth conductors to the three way terminal block marker N, 🖨 & L.

Blue - N Brown - L Green -

LUMINAIRE MUST BE EARTHED

 Insert linear fluorescent lamps and twist through 90° for positive pin contact. Push single turn compact lamps into lampholders and clip into place.

5. DIFFUSER/CONTROLLER AND LOUVRES HANDLE WITH CARE: FRAGILE.

- a. Offer diffuser or 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.
- b. To remove diffuser, place fingers on inner edge of frame and pull downwards to expose all springs before detaching the springs on one side and allowing attachment to hinge from one side. 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
- Use only louvres or TP(a) rated prismatic controllers with emergency luminaires to ensure compliance with relevant standards.

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.
- 3. Use the correct lamps as initially supplied or as indicated on the ballast label.
- 4. 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 is presented to the authority responsible for the operation and maintenance of the luminaries.
- 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.
- At the end of life the lamp and luminaire are classed as WEEE under directive 2002/96/EC and should be disposed
 of in accordance with local legislation.
- All other parts of these luminaries, in small quantities, may be disposed of in the normal way. However, if large quantities of plastic are to be incinerated special precautions should be taken against the fumes which may be given off.



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