

# ASTRAL

**Product Code: AST10W-115 AST15W-145  
AST20W-170 AST25W-190  
AST30W-235**

This range of Haneco Lighting LED product(s) have been tested as AS/NZS60598.2.2:2001 standards and are approved to the luminaire will not exceed 90°C when side abut or covered with ceiling insulation.

Building insulation is used to abut and cover the luminaire must meet the following requirement:

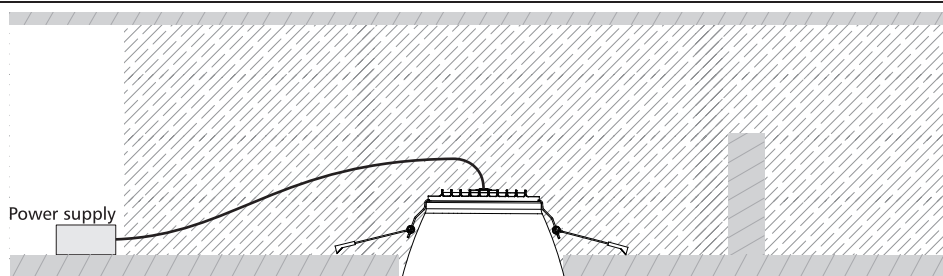
1. Be of a type that can maintain it's dimensions and structural integrity when exposed to the maximum surface temperatures of the class of luminaire, being 90°C and must withstand a 30s needle flame test carried out in accordance with AS/NZS 60695.11.5 with the flame applied to all surfaces of the sample.
2. (New Zealand only) Loose fill insulation as defined in NZS4246 is not permitted to abut or cover this luminaire.

### Safety Instructions:

To ensure correct function and safety, please read and follow all instructions carefully before using the product.

1. Turn off power supply before installation or before doing any maintenance work.
2. Do not install any luminaire near the heat source.
3. Do not exceed the nominal supply voltage or amperage ratings.
4. All wiring and installation of the light fitting must adhere to local and national wiring rules.
5. Take care not to pull any electrical wires during unpacking as this may damage the connection.
6. Lay out all the components on a smooth surface and make sure there are no components missing before assembling.
7. To avoid injury or damage to the fitting, please ensure that power leads and screws are secure before connecting the power.
8. Please keep instructions for future reference.
9. Please refer to IP (Ingress Protection) rating of this luminaire when deciding the location of installation.


### Installation Instructions:



### Ceiling cutout table:

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Ceiling Cutout (mm)	90	120	140	160	200

### Warning:

- a. Type Y: If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or by a service agent or licenced electrician in order to avoid hazard.
- b.  Non-user replacable light source.
- c. The lens cover of the luminaire is secured by glue, unremovable.

\*Please ensure that the Driver is not covered by insulation or other building materials.