

HANECO LED DOWNLIGHT INSTALLATION GUIDE

ASTRAL^{EVO}

Thanks for choosing our **ASTRAL^{EVO}** Downlight products.
We strongly recommend that you read this manual carefully before installation.

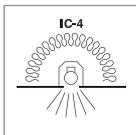
Product Code: AST9W-EV, AST9W-EV-BK

WARNING

- Installation must be carried out by a licenced electrician and in accordance with these instructions and relevant Australian standards and local regulations.
- Do not install any luminaire near any heat source.
- Before the installation make sure you have turned OFF the electricity supply.
- Ensure the product is connected to a 220-240V AC 50/60Hz power supply.
- 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.
- Non-user replaceable light source.
- The lens cover of the luminaire is secured by glue, unremovable.
- The warranty is void if product is not installed according to the instructions.
- Risk of overheating of fire if the clearance distances are compromised.
- Installers must ensure that the fitting selected is appropriate for the intended application and environment, consistent with Haneco's published product specifications.
- To maintain optimal performance, fittings should be kept clean to prevent excessive buildup of dust or debris, with periodic cleaning carried out as appropriate to site conditions.
- Products should not be exposed to harsh chemicals or corrosive substances that fall outside the published product specifications, as such conditions may affect performance or warranty coverage.
- Please refer to Haneco's warranty document for full details on the conditions of warranty.

Clearance Guide

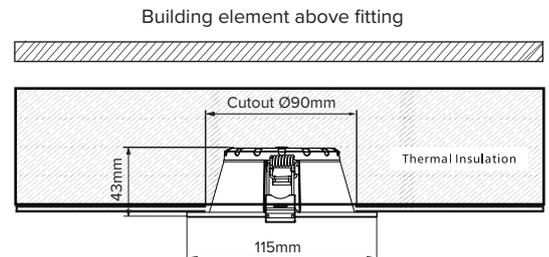
This range of Haneco Lighting LED products have been tested to AS/NZS60598.2.2:2016 standards and are approved to the luminaire will not exceed 90°C when side abutted or covered with ceiling insulation.



IC-4

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

- 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.
- [New Zealand Only] Loose fill insulation as defined in NZS4246 is not permitted to abut or cover this luminaire.



INFO & WARNING	
The minimum clearance distance from the top of the luminaire to any normally flammable building element (mm)	0mm
The minimum clearance distance from the top of the luminaire to any building insulation (mm)	0mm
The minimum clearance distance from the side of the luminaire to any normally flammable building element (mm) ...	0mm
The minimum clearance distance from the side of the luminaire to any normally building insulation (mm)	0mm

Product Specification:

Product Code	Input	Cutout	Power	Dimming Method	IC Rating	IP Rating	Operating Temp	Beam Angle	Colour
AST9W-EV	220- 240Vac, 50/60Hz	Ø90mm	9W	Phase-cut dimmable	IC-4	IP54 Front	-20°C - 40°C	60°	White
AST9W-EV-BK	220- 240Vac, 50/60Hz	Ø90mm	9W	Phase-cut dimmable	IC-4	IP54 Front	-20°C - 40°C	60°	Black

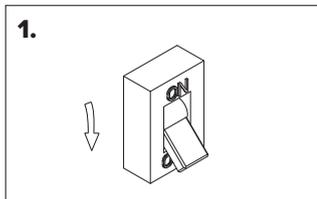
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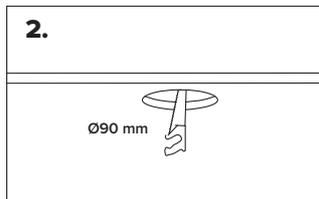
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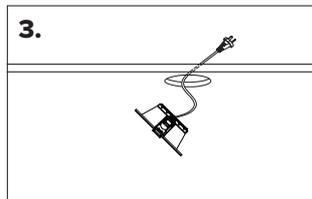
Installation Instructions



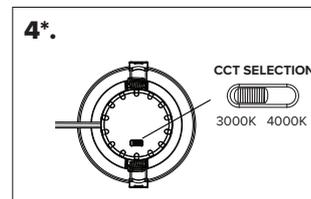
Switch OFF the power.



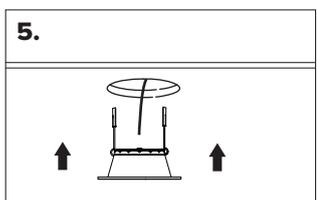
Cut an appropriately sized hole in the ceiling that suits your needs.



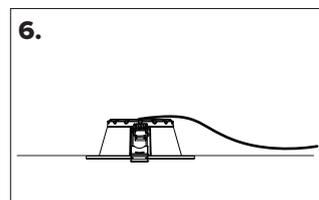
Insert cables through the cut-out into the ceiling cavity and plug into a pre-wired socket outlet inside the ceiling.



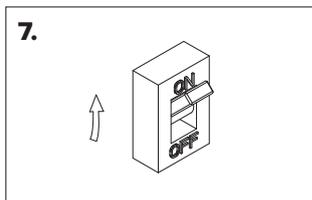
Select the desired CCT using the switch



Fold mounting clips up to the sides of the luminaire and insert luminaire through the cut-out.



Installing the luminaire in the ceiling.



Switch ON power.

Dimensions:

