

HANECO LED DOWNLIGHT INSTALLATION GUIDE

LUMESQ IP65

Thanks for choosing our **LUMESQ IP65** Downlight products.
We strongly recommend that you read this manual carefully before installation.

WARNING

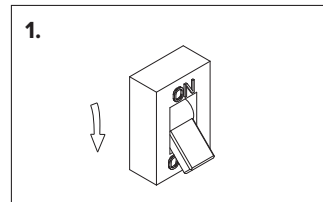
- Installation must be carried out by a licenced electrician and in accordance with these instructions and relevant Australian standards and local regulations.
- Do not install any luminaire near any heat source.
- Before the installation make sure you have turned OFF the electricity supply.
- Ensure 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, and cannot be removed.
- The warranty is void if product is not installed according to the instructions.
- Risk of overheating or 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.

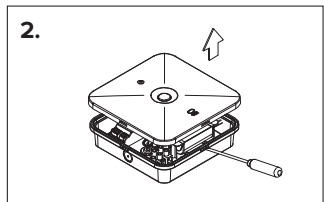
Product Specification:

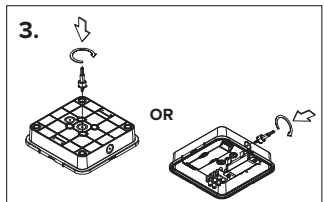
Product Code	Input	Dimension	Power (Recharge)	Emergency Classification	IP Rating	Operating Temp	Beam Angle	Colour
LUMEIP65-SQ	220-240Vac, 50/60Hz	185x185x44.7 mm	3W	C0:D80 C90:D80	IP65	0°C - 45°C	150°	White

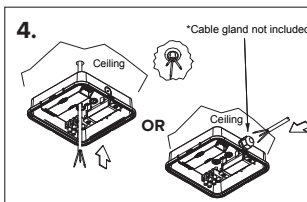
Installation Instructions

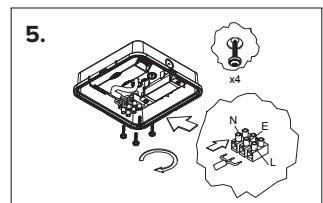
Surface Mounting Installation

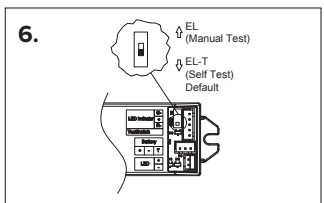
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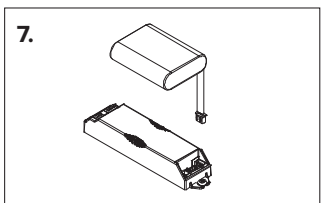
Switch OFF the power.
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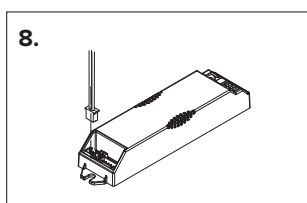
Separate the top cover from the base using a screwdriver.
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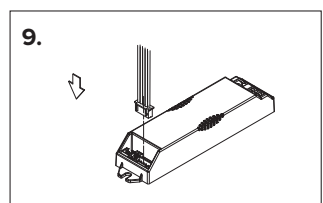
Drill a cable-entry hole from the top or side, using the pre-marked hole positions to ensure accurate placement and safe cable routing.
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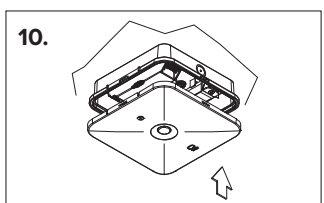
Feed the cable through the top or side opening. Ensure supplied cable gland is used to maintain IP rating (Not included).
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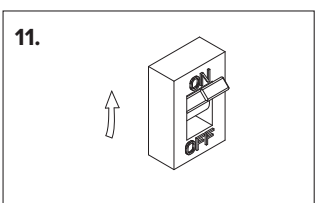
Secure the mounting base to the ceiling, and connect the wiring
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Set up the testing mode.
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Install battery.
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Connect the LED to the converter.
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Connect the LED indicator and test switch to the converter.
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Reinstall the top cover onto the luminaire.
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Switch ON power.
- Important - Do not carry out manual test battery function until 16hrs after connection to power supply

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Routine Testing:

Testing should be carried out in accordance with the recommendations of AS60598 & AS2293.

1. Do not switch off unswitched mains supply after installation. If interruption is unavoidable, the batteries must be disconnected or damage to the batteries may occur. Leave the luminaire on continuous charge for 16 hours.
2. Batteries should be replaced when the luminaire no longer meets the 90 min duration performance.
3. Testing is performed by interrupting the unswitched supply for the test duration manually or via self-test function. During testing the luminaire will remain illuminated in emergency mode.
4. Ensure that the 'charge indicator' is 'ON' during 'Charging Mode'. If the charge indicator (LED) is Unlit or yellow, this signifies a fault.
5. Replace faulty light source and batteries immediately.

Test Function:

Key operation	Function Description
Functional Testing	The function test is carried out every month for 3 minutes.
Duration Test (SELF-TEST mode)	• Initiate a 2 hour duration test after a new / flat battery has been fully charged (following initial 16 hour charge period). • Auto-run a 2 hour duration test every half year, on one day within the 150th day to the 180th day.

LED Colour	Status	On Time (Seconds)	Off Time (Seconds)	Description
Green	 Permanent on	/	/	Normal state when mains connected
	 Slow flash	1s	1s	Duration test running
	 Very fast flash	0.2s	0.2s	Function test running
	 Normal flash three times only	0.5s	0.5s	Time reset
Yellow	 Permanent on	/	/	Battery failure
	 Slow flash	1s	1s	Lamp failure
	 Fast flash	0.5s	0.5s	Duration failure – This shall be maintained until the fault has been rectified and the luminaire passes a subsequent discharge test.
	 Very slow flash	4s	1s	Recently tested and complies – This remains for 5 days after the test and then changes to solid green.
Both Off	 Off	/	/	Emergency mode when mains off

A test switch is applied for different functions activated manually.

Press for <2s	Simulate emergency mode, a mains power failure.
Press for 3-5s	Start duration test manually. The test can be aborted by pressing off (1-2s).
Press for 5-8s	Start Function test manually for 60s. The test can be aborted by pressing off (1-2s).
Press for >10s	Time Reset

Note:

1. When the mains is on, the green indicator will be permanent on. It will check the connection of battery and the connection of LED module. If it is a non-maintained fitting, the connection of LED module does not need to be checked. When the mains is off, no test will perform.
2. The luminaires selected for function and duration testing must remain connected to the mains supply for at least 16 uninterrupted hours. If the mains supply is interrupted during this period, the tests will be deferred for three days.
3. An accuracy of the test interval timing is maintained to within ± 75 seconds per week. The timing function is preserved during mains supply failure or interruption for up to seven days.