

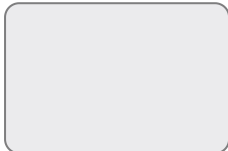
PRODUCT SPECIFICATION

Aurora UT25 4S square

M24GW45B

Local stock code: UT25-4S | sold per individual module | 6500 K owner-confirmed

L 49 mm


W 45 mm / H 7.5 mm

Illustrative body outline. Use the stated dimensions; lens/fastener details are not a fabrication drawing.

ELECTRICAL, OPTICAL AND MECHANICAL DATA

Input supply	24 VDC
Module circuit	CV - internal circuit label; external supply remains 24 VDC
Nominal module power	1.44 W
Nominal luminous flux	144 lm per module
Colour temperature	6500 K nominal ratings; alternate CCTs require variant confirmation
Maximum modules per chain	50 modules - not a sales pack quantity
Nominal load at chain limit	72 W - calculated from nominal module power; not a driver rating
Body size (L × W × H)	49 × 45 × 7.5 mm
Beam angle	165° ±10°
IP rating	IP66 - module rating; assembled installation needs separate assessment
Application depth	25-100 mm
Ambient / case temperature	-25 to +60 °C (ta); tc 75 °C
Storage temperature	-40 to +85 °C
Dimming	PWM; compatible control and power supply must be selected separately
Cutting	Cut the interconnecting wire between modules; never cut the module body
Drawing link pitch	200 mm - harness drawing dimension, not approved optical spacing
Rating conditions	Nominal at 6500 K; all parameters ±10%
Rated lifetime (L70B50)	5 years, the supplier's rating, separate from the warranty
Warranty	3 years (Specialized Lighting)

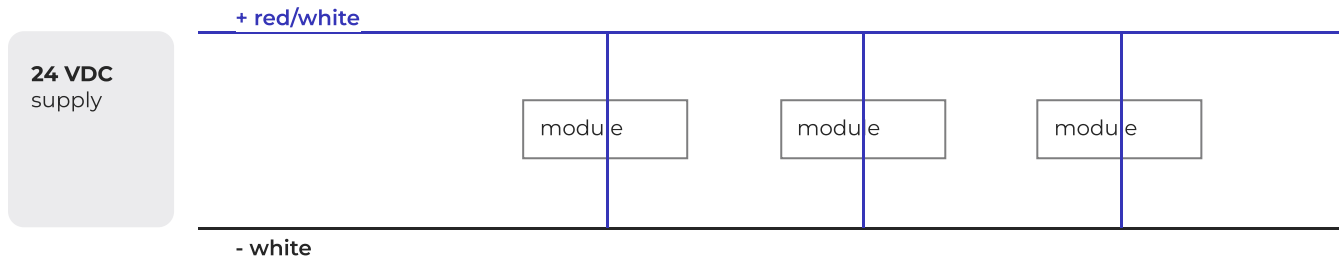
Stock identity follows the owner-confirmed model list of 15 October 2026. Historical Unleashed supplier text may differ and is not a substitute technical model. Live stock, prices and upstream purchasing-unit conversions are not published here.

INSTALLATION GUIDE

Aurora UT25 4S square

For qualified installers. Confirm the complete system design and power-supply documentation before installation. This sheet covers module handling and DC connections, not mains wiring.

24 V DC CONNECTION CONCEPT



Parallel DC concept only; not a harness fabrication drawing. Respect the maximum 50 modules per chain, preserve polarity and do not series-connect chains. Verify lead markings against the actual module.

INSTALLATION SEQUENCE

- 1 **Confirm the exact variant**
Check M24GW45B, the 24 VDC input and required CCT against the delivered module. Do not substitute a different voltage or suffix.
- 2 **Plan the layout**
Use the stated 25-100 mm cabinet-depth range. The D:P = 1:2.5 laboratory reference is a starting point only; check the actual face material and layout with a representative sample.
- 3 **Prepare and secure the modules**
Use a clean, stable mounting surface. Attach modules securely using a mounting method approved for the cabinet and product. Avoid vibration and mechanical damage; protect connecting wires from strain.
- 4 **Cut and finish only the links**
If shortening a harness, cut between modules only. Use connection and sealing methods approved for the environment. The module IP rating does not certify cut joints, the power supply or the complete sign.
- 5 **Connect DC power with correct polarity**
Red/white is positive; white is negative in the supplier wiring diagram. Keep chains in parallel. Do not exceed 50 modules per chain. Connect only when the supply is isolated.
- 6 **Select the supply separately**
Nominal load is module count $\times$ 1.44 W. Select a compatible 24 VDC supply and PWM control from their approved specifications, with documented capacity margin, environment and cable rules. The CV label describes the internal module circuit.
- 7 **Commission the installation**
Have the installer inspect connections, polarity, strain relief and enclosure protection before energising. Confirm supply voltage, loading and temperatures remain within the approved system limits. Check the illuminated face for the required result.
- 8 **Maintain and record**
Retain the module code, chain counts, power-supply/control details and layout with the project. Isolate the supply before maintenance. Replace damaged components with approved equivalents and repeat the relevant checks.

DESIGN CHECKS STILL REQUIRED

Power-supply sizing margin; cable cross-section and voltage drop; connector/seal system; approved fixing method; face transmission and spacing; application suitability; exact stock identity where not matched.

Technical basis: supplied UT25 series datasheet. Module ratings and chain limits are variant-specific. The rated lifetime is a supplier figure and isn't a warranty term. See the warranty row for Specialized Lighting's 3-year warranty.