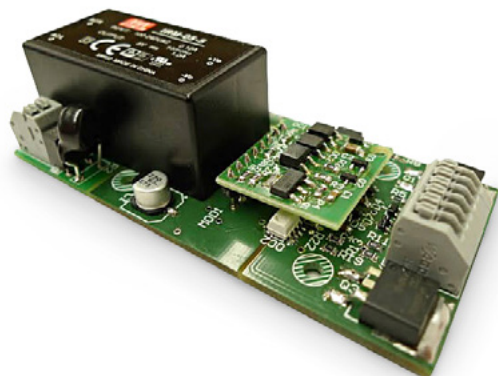


DALI TW8



The **DALI TW8** is a DALI compatible device (device type 8), especially designed to allow for the Tunable-White control of LED modules through a DALI interface. For correct function an external LED driver is required.

The device itself is powered independently from mains. The device is open-frame module that can be easily mounted into the luminaire.

⚡ Technical data

Key features

Independent control of CCT
Up to 180 V voltage range
DALI control (device type 8) – one address only

Output

Output voltage range 30 – 180 V/DC
Output current range 0 – 2 A
Output power range 0 – 150 W

Connections

Mains cable wires AWG 28 – 16 (0.08 – 1.5 mm²)
DALI cable wires AWG 28 – 16 (0.08 – 1.5 mm²)
LED cable wires AWG 28 – 16 (0.08 – 1.5 mm²)

Power

Mains supply 90 – 260 V/AC / 47 – 400 Hz / 120–370 V/DC
System power < 200 mW
DALI consumption < 2 mA | insulation class II

Mechanical data

Housing open-frame
Weight 60 g
Dimensions 94 x 45 x 26 mm

Operating conditions

Ambient temperature range 0 °C – +55 °C
Relative humidity < 85 % (non-condensing)
Storage temperature range -40 °C – +70 °C

Conformance with regulations

EN 55015 limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
EN 61547 Equipment for general lighting purposes EMC immunity requirements

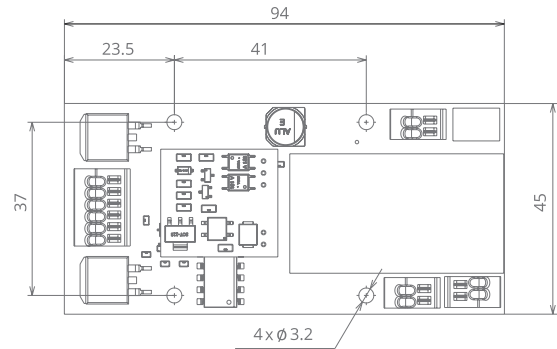
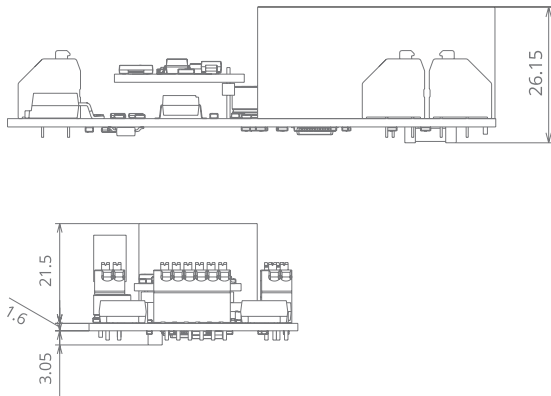
EN 62386-102 Digital addressable lighting interface, general requirements for control gears
EN 62386-207 Digital addressable lighting interface, LED drivers
EN 62386-209 Digital addressable lighting interface, colour control

⚙ Functions

The **DALI TW8** is a DALI device designed for Tunable-White control. It is not a power source for LEDs. For correct function an external LED driver must be used (constant current). Selection of the LED driver depends on the LED load used (forward voltage and current). DALI TW module controls the CCT of light according to the DALI commands received.

On DALI line, the device appears as standard DALI device type 8 (LED driver) allowing for direct CCT level control, group addressing, fading and scene settings. The DALI TW module represents simple way of CCT control via DALI using standard components – LED driver and DALI controller.

Dimensions



*figures in mm

Wiring diagram

