

Atios DALI LED Driver AMD-PWM100 Datasheet

TECHNICAL SPECIFICATIONS

DALI standard	DALI-2 certified (IEC 62386-101/102/207 Ed2/209)
DALI device type	DT8 (6-in-1: presettable as RGBW, XY coordinate or Tc)
Control interface	DALI DT8 (bus current < 2 mA) or AC push switch
Dimming	PWM, logarithmic curve, 0.1–100 %
Input voltage	100–240 V AC, 50/60 Hz
Power factor / efficiency (typ.)	> 0.90 / 90 % at 230 V AC
Standby power	< 0.5 W (meets ErP)
Output	24 V DC constant voltage (± 1 %), 4 channels (RGBW or 2× tunable white), max. 4.1 A / 100 W total
Protection	over-current and over-temperature, automatic recovery
Safety & EMC	TÜV EN 61347; EN 55015, EN 61000
Operating temperature	–20 °C to +45 °C ambient; max. case (tc) 75 °C
Protection rating	IP20 (indoor use)
Dimensions	244 × 64 × 32 mm (L × W × H)

APPLICATION AREA AND FEATURES

- 6-in-1 DALI-2 LED driver: a single unit that can be factory-preset to RGBW, XY-coordinate or Tc (tunable-white) DT8 colour control.
- Four channels of 24 V DC constant-voltage PWM output, up to 100 W total.
- PWM dimming with a logarithmic curve, deep and smooth down to 0.1 %, flicker-free.
- Controlled via DALI DT8 (single DALI address) or a local AC push switch for on/off, dimming and colour/CCT, with status memory after power loss.
- 100–240 V AC wide-range input, high power factor and efficiency, standby power below 0.5 W (meets ErP).
- Over-current and over-temperature protection with automatic recovery; Class 1, fully isolated plastic housing.
- Compliant with IEC 62386-101/102/207 Ed2/209 and compatible with universal DALI masters that support DT8.
- IP20 rating for indoor LED lighting; 5-year warranty.

WIRING

