



SR-2309PRO-5CCT

300W-900W (12-36V) - 720W 48V
12-48V
Quicklink: Q6E3F

General

Colour White

Dimensions

Height 28mm
Length 164mm
Width 58mm

Electrical

Amperage 5A
Maximum Wattage 900W (5 x 180W)
Voltage 12-48V DC

SR-2309PRO-5C is a 7 in 1 professional multi-addresses enabled DALI DT8 control gear which is compliance with IEC 62386-101:2014, IEC 62386-102:2014, IEC 62386-207 Ed2, IEC 62386-209:2011. It is DALI DT8 device with built-in DALI-2 interface. Multi addresses are enabled in this control gear, which means it integrates multi DALI DT8 devices in one device. It can be set as single address type or multi-address type. The combination of device types can be configured with the buttons and display, and total 7 combinations available: Tc, RGBWAF, XY, 2*Tc, XY+Tc, RGB+Tc, XY+W (DT6).

This control gear is designed with 5 channels PWM output, which enables to control tunable white LEDs, RGB LEDs, RGBW LEDs, RGB+tunable white LEDs depending on the device type configured. One control gear is enough to meet all requirements. This control gear is innovative to be compatible with universal DALI systems, whatever DALI DT8 device types a DALI system support, this control gear supported all DALI DT8 device types.

This controller delivers robust 5²channel output, providing five independent channels rated at 60–180W each when operating at 12–36 V or 144 W per channel at 48 V, offering a maximum system power of up to 900 W depending on input voltage and load

DALI address can be freely set using the buttons and digital display even without a DALI master controller.

This control gear also supports push dim to control not only brightness but also colour temperature and RGB colours even if there is no DALI signal.

Part No.		Input Voltage		Output Current		Output Power		Output Type			
SR-2309PRO-5CCT		12 VDC		5×5A		5×60W		Constant Voltage			
		24 VDC		5×5A		5×120W					
		36 VDC		5×5A		5×180W					
		48 VDC		5×3A		5×144W					
Category		LED Strip Type		Mode (DT8)		DALI Addresses		What It Controls		Technical Details	



RGB Control	RGB	DT8 RGB (XY)	1	RGB colours	CH1-CH3 used for RGB in DT8 XY.
RGBW Control	RGBW	DT8 RGBW (RGBWAF)	1	RGB + White	4-channel DT8 RGBW using CH1-CH4.
Full RGCCT	RGCCT (RGB+WW +CW)	DT8 RGBWAF (5-channel)	1	RGB + warm white + cool white	Uses all five outputs (CH1-CH5); unique 5-channel DT8 mode.
RGB + CCT	RGB + CCT	DT8 RGB + DT8 CCT (Tc)	2	RGB + independent CCT	Appears as two DT8 devices: RGBWAF + Tc.
RGB (XY) + CCT	RGB + CCT	DT8 RGB (XY) + DT8 CCT (Tc)	2	RGB (XY) + CCT	Two consecutive addresses: XY then Tc.
RGB + White	RGBW	DT8 RGB (XY) + DT6 White	2	RGB + white dimming	XY controls RGB; DT6 controls White.
CCT (Single Group)	CCT (WW+CW)	DT8 CCT (Tc)	1	Colour temperature + brightness	DT8 Tc warm/cool operation using paired outputs.
CCT (Two Groups)	Dual CCT	Dual DT8 CCT (2×Tc)	2	Two independent CCT groups	Detected by the DALI master as two Tc devices.
Single Colour	Single colour LED	DT6	1	Brightness only	All outputs grouped together in DT6 mode.
Channel Setting	RGB / RGBW / RGCCT	3-ch / 4-ch / 5-ch	—	Select 3-ch / 4-ch / 5-ch	Set via onboard buttons;



Channel Setting	RGB / RGBW / RGB CCT	3 $\frac{1}{2}$ Ch / 4 $\frac{1}{2}$ Ch / 5 $\frac{1}{2}$ Ch	—	Select 3 $\frac{1}{2}$ ch / 4 $\frac{1}{2}$ ch / 5 $\frac{1}{2}$ ch	only device supporting 5 $\frac{1}{2}$ ch.
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Key Features

- Built-in DALI-2 interface, DALI DT8 device
- Multi-addresses enabled DT8 control gear
- Multi-functional, 7 in 1: Tc, RGBWAF, XY, 2*Tc, XY+Tc, RGB+Tc, XY+W (DT6)
- DALI address manually assignable through manual set buttons and shown on the display
- Support 7 PWM output device types: single-address types or multi-address types
- Single-address device types: Tc, RGBWAF, XY
- Multi-address device types: 2*Tc, XY+Tc, RGB+Tc, XY+W (DT6)
- Constant current voltage output
- Combination of 5 PWM outputs to a DALI device type 8
- Colour control as defined in the DALI specification device type 8
- Supports DT8 device commands, compatible with universal DALI masters that support DT8 commands
- Configuration through DALI master USB interface
- Colour temperature and RGB colour control through push dim mode even if without DALI
- Waterproof grade: IP20

