SmartLicht

DALI-2 DT8 NFC DRIVER

Dimmable 4-Channel (R+G+B+W)

The **SmartLicht DALI-2 DT8 NFC Driver 100W (4 Channels)** is a DALI-2 certified constant voltage LED driver designed for RGBW lighting systems with four independent channels. It offers precise DT8 colour control and flicker-free dimming using a high-frequency 4 kHz PWM output, ensuring stable and comfortable lighting. Output current is easily adjusted via NFC (Near Field Communications) in 1 mA increments.



Encased in a rugged IP66-rated aluminum housing, this driver is built to withstand a wide range of ambient temperatures from -40°C to +60°C, making it ideal for both indoor and outdoor applications. It features extremely low standby power consumption of less than 0.5W, supporting energy-efficient operation.

Integration with the Control4 certified DALI control driver and major automation platforms, the SmartLicht LED driver enables streamlined deployment and robust multi-channel lighting control. This makes it an excellent choice for advanced lighting systems requiring flexibility, durability, and seamless integration in residential, commercial, hospitality, and stadium lighting environments.

Specifications

	Product Model #	**SL-94360013**	
Main Features	**Output Type**	Constant Voltage	
	Dimming Type	DALI-2	
	Output Voltage Setting	NFC / DALI	
	Output Features	Isolation	
Input	**Rated Supply Voltage**	220 – 240V	Nominal Range
	Input Voltage	198 – 264 V AC	
	Mains Frequency	0/ 50 /60 Hz	Range: 0/47 – 63 Hz
	Input Current	≤1.3A Max	
	Input Power	≤110W Max	More MCB-types in design-in guide
	Standby Power	0.5W	
	Efficiency	89%	230V (DALI system DIM to off)
	Total Harmonic Distortion	<5.8%	230V/50 Hz at full load
	Power Factor	0.98	230V/50 Hz at full load
	Inrush Current (peak / duration)	≤ 96 µs / 75 µs	230V/50 Hz at full load
	Leakage Current	<0.5mA	
Output	**Output Voltage**	24 V DC	
	Output Voltage Tolerance	±0.2V	
	Voltage Regulation	1.6%	
	Load Regulation	1%	
	Rated Power	100W	
	Rated Current (R+G+B+CW)	4.17A	
Controls Input	**Control Method**	Corridor Mode, DALI, Push-button	
	Dimming Range	0.1 - 100 %	
	NFC Current Setting	PC	
	Isolation Input to Output	Basic	
	Short Range Reader	Feig ID CPR30; Feig ID ISC.PRH101; Feig ID ISC.MR102	Antennas: ISC. ANT40/30, ISC. ANT100/100
	Long Range Reader	Feig ID ISC.LRM1002	Antenna: ISC. ANT310/310

Environment	**SELV/Non-SELV**	SELV	
	Over Voltage Protection	320 V AC, 48 hours	
	Short Circuit Protection	Yes	Auto Recovery
	Open Circuit Protection	Yes	Auto Recovery
	Over Load Protection	Yes	Auto Recovery
	Over Temp Protection	Yes	Shell surface temperature shutdown at 100 °C ± 10 °C
	Hot Plug-in/Secondary Switch	No	
Standards	**Ambient Temp** (ta)	-40 °C to + 60 °C	Higher allowed if casing temp limits are met
	Ambient Temp Max Life	40 °C	
	Max. Casing Temp (tc)	85 °C	
	Storage Temp (ts)	-40 °C to +80 °C	
	Max Housing Temp	110	In case of a failure
	Relative Humidity	20% to 95%, non-condensing	
Standards	**Certificates/Compliance**	RCM, CE, ENEC, SAA, UKCA, EAC, CB, RoHS	
	Safety Standards	EN61347-1, EN61347-2-13 (EU)	
	EMC Standards	AS/NZS CISPR 15:2011; AS CISPR 15:2017; EN55015 EN61000-3-2,3(>/=50%) EU	
Miscellaneous	**RoHS**	2011/65/EU	
	Dimensions (L×W×H)	232 × 62 × 43.2 mm	
	Net Weight	0.84Kg	
	Lifetime	Up to 100,000 hours	
	Warranty	3 Year	

*Specifications are subject to change without prior notice.