

Date		Project	
Type		Part Number	

DALI Driver

Reno Dali Enabled LED Driver

The Reno LED DALI Driver is suitable for DALI-1 and DALI-2 enabled systems. Combine with our Reno LED T8/LED T5 Type C lamps, it is the perfect retrofit option for any existing fluorescent T8/T5 Dali software controlled applications. Energy efficiency and versatility come standard with an industry first auto sensing input range of 120-347V, 350-1200 mA dip switch to operate 1-4 lamps seamlessly.



1 OFF 2 OFF	1 ON 2 OFF	1 OFF 2 ON	1 ON 2 ON
350mA	700mA	1050mA	1200mA



PRODUCT FEATURES

- Built-in isolated adjustable power LED driver
- Flicker-free LED driver
- Output current 350-1200 mA by adjusting dip switch
- Max. output power 54W
- Constant lumen output (CLO)
- For luminaires with protection class I, class II protection, short circuit protection
- Storage Temperature: -40°F to +185°F (-40°C to 85°C)
- 10 year limited warranty

KEY SPECIFICATIONS

Input Voltage	120V or 347V
Current Accuracy	± 5%
Power Factor	0.9
THD	≤20%
Mounting	Internal
Application	Offices, Warehouses, Retail Facilities

SPECIFICATIONS

Order#	Model	Input Voltage	Output Current	Output Voltage	Efficiency @ Full Load
R83101	RENO-DA54B-DV-PS	120V	350 mA	10-54V	88%
			700 mA	10-54V	89%
			1050 mA	10-51.5V	89%
			1200 mA	10-45V	88%
		347V	350 mA	10-54V	86%
			700 mA	10-54V	88.5%
			1050 mA	10-51.5V	89%
			1200 mA	10-45V	88.5%

ELECTRICAL SPECIFICATIONS

MAIN VOLTAGE SUPPLY

Rated input voltage range	120...347 Vac
Max. input voltage range	108...382 Vac
Rated frequency range	50/60 Hz
Max. input current	0.58 A @120 Vac

PROTECTION AGAINST VOLTAGE PEAKS

Withstand voltage	I/P-FG:1.8KVac, <5 mA 60 s; I/P-DA: 1.8 KVac, < 5 mA 60 s O/P-FG:0.6 KVac, <5 mA 60 s; O/P-DA: 0.6 KVac, < 5 mA 60 s DA-FG: 0.6 KVac, <5 mA 60 s; I/P-O/P: 1.8 KVac, < 5 mA 60 s
Mains surge immunity	L-N 1 kV, L/N-FG: 2 kV
Ringing wave	>2.5 KV

OUTPUT DATA

Output current tolerance	± 5% at rated input voltage range
No load output voltage	60 Vdc
Ripple output current	5% (ripple = peak/average total 120 Hz)
Turn-on Delay time	≤ 1 s at full load @ low rated input voltage

PROTECTION FUNCTIONS OUTPUT SIDE

Overvoltage protection	The output voltage is less than or equal to 60 V
Overpower protection	The output power is less than or equal to 59.4 W
Short circuit protection	Yes

ELECTRICAL SPECIFICATIONS CONT'D

DIMMING OPERATION AND INTERFACE

Dimming current range	1%...100%
Standby power consumption	0.5 W

CONNECTION TERMINALS

Connection terminal type	45° push in terminal
Wire cross section	Input and output wire: 16-20 AWG
Wire stripping length	8...9 mm

DEGREE OF PROTECTION

Protection rating	IP20
-------------------	------

OPERATION DATA

Output current range	DIP control adjusts the current: 350...1200 mA
Default current	350 mA
Output voltage range	10...54 Vdc
Noise level	< 20 dB, at full load @ 100 cm distance

SUPPLEMENTARY INSTRUCTIONS

- The luminaire manufacturer is responsible for measuring and verifying the EMI compliance of the complete luminaire, as the level of radio interference will vary depending on the luminaire construction. Especially primary and secondary cable lengths and their routing may have a significant effect on radio interference.
- Short circuit protection: Hiccup mode. Protection device will trigger when short circuit and will auto recover after the fault mode is removed.

DRIVER DIMENSIONS

