

96W DIMMABLE DALI-2 DT8 D4I 2 CHANNEL DRIVER

This UL Listed constant voltage Class 2 intelligent LED driver provides high efficiency and great heat dissipation with dimmable 24V output. The driver features an enclosure with isolated wire connections and a NEMA 4x rating. With 120-277V AC input voltage, it is suitable for Variable White (tunable) fixtures in commercial, industrial and residential applications.

- DALI-2 Type 8
- Constant voltage dimmable driver
- For use with Variable White (tunable) fixtures
- High efficiency and high power factor
- Short circuit, overtemperature and overload protection
- IP67, NEMA 4x and UL wet location
- 6-year warranty



SPECIFICATIONS

Driver Type	Constant Voltage	Dimming Output Type	PWM
Rated Input Voltage Range	120-277V AC	Dimming Input Type	DALI-2 DT8 D4I
Input Frequency	47-63Hz	Ambient Operating Temperature	-40 to 158°F (-40 to 70°C)
Input Current (Max.)	1.2A	Storage Temperature	-40 to 176°F (-40 to 80°C)
THD	≤10%@120V AC; ≤10%@230V AC; ≤15%@277V AC	Max Relative Humidity	20-95% RH
Power Factor	PF≥0.99@120V AC; PF≥0.98@230V AC; PF≥0.98@230V AC	Overvoltage Protection	Yes
Output Power	96W	Short Circuit Protection	Yes
Output Voltage	24V (24-26V)	Over Temperature Protection	Yes
Output Current	3.9A	UL Standards	UL 8750 + UL 1310
Efficiency @ Full Load	87%@120V AC; 89%@230/277V AC	Environmental Rating	UL wet location and NEMA 4x rated
		EMI Compliance	FCC Part 15 CLASS B
		Warranty	6 years

ORDERING GUIDE

Category	Voltage	Wattage	Dimming Option	Number of Channels
DRVW	24	96	DALI	2CH
DRVW - Waterproof Driver	24 - 24V DC Output	96 - 96W	DALI - DALI-2 DT8 D4I Dimmable	2CH - 2 Channel

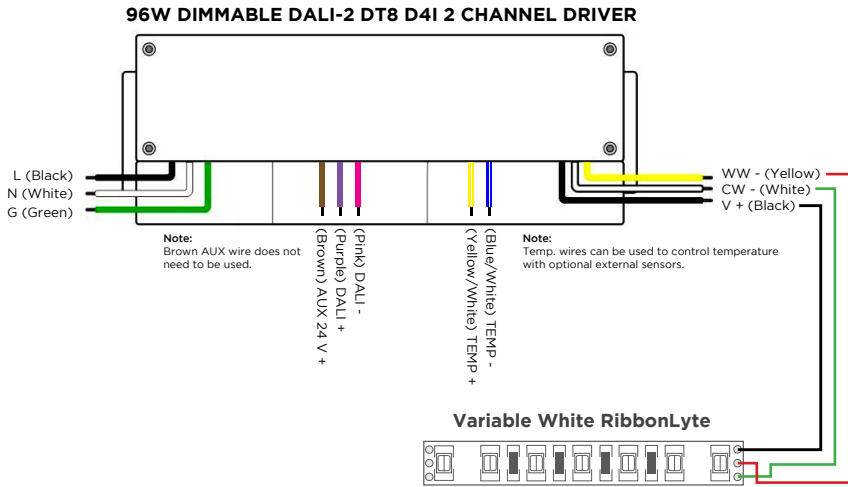
MAXIMUM DISTANCE FROM DRIVER TO LED AT FULL LOAD

96 W

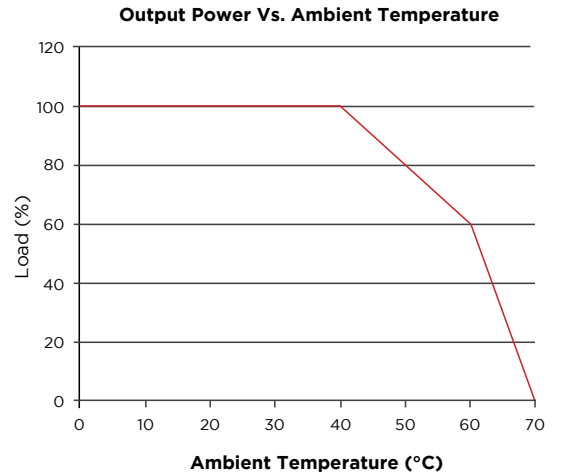
Wire Gauge	Feet	Meters
24 AWG / 0.25 mm ²	5.5	1.68
22 AWG / 0.34 mm ²	9	2.74
20 AWG / 0.5 mm ²	14	4.27
18 AWG / 0.75 mm ²	23	7.01
16 AWG / 15 mm ²	37	11.28
14 AWG / 2.5 mm ²	59	17.99
12 AWG / 4 mm ²	94	28.66
10 AWG / 6 mm ²	150	45.73
8 AWG / 10 mm ²	239	72.87

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WIRING DIAGRAM

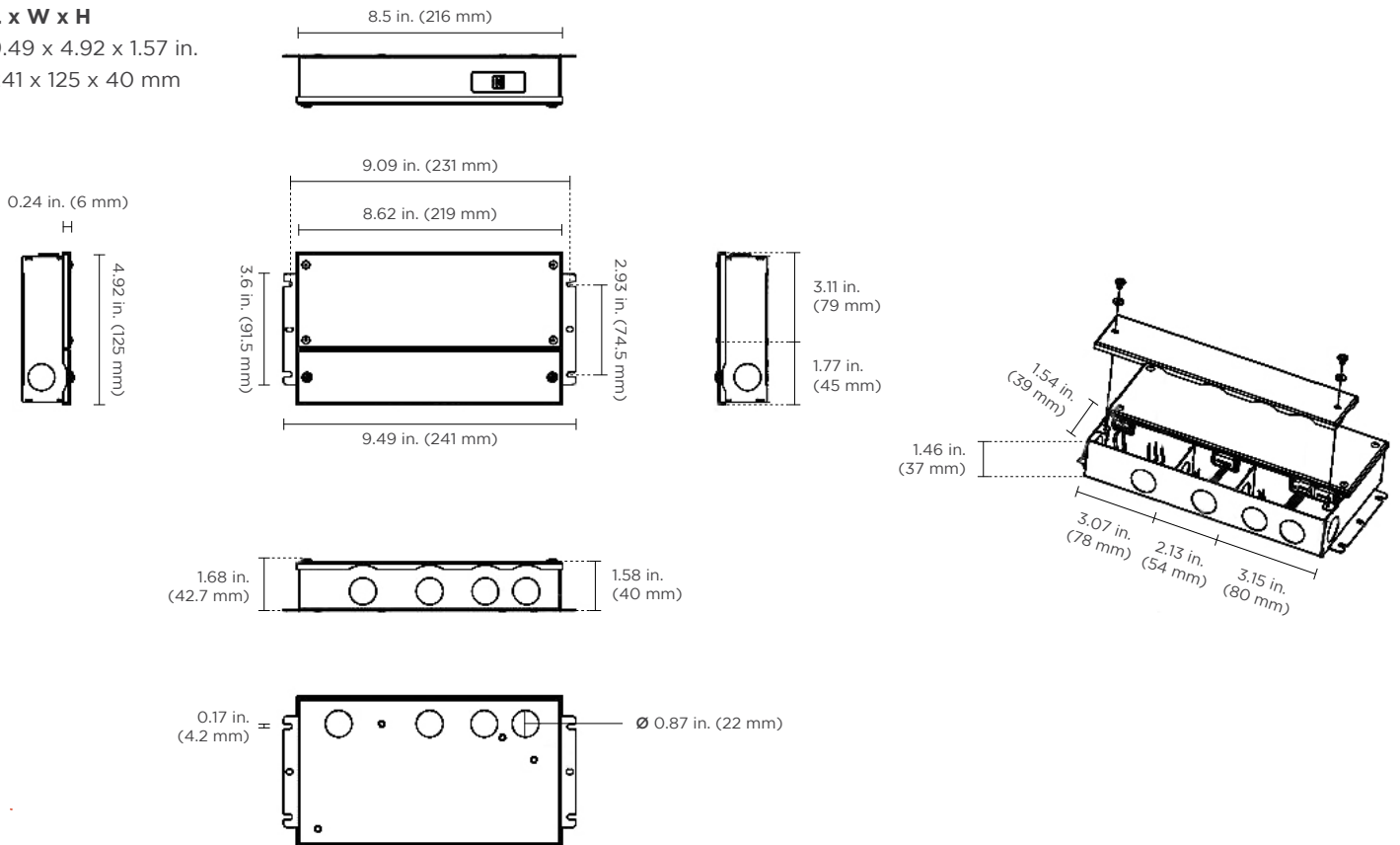


DERATING CURVE



DIMENSIONS

L x W x H
9.49 x 4.92 x 1.57 in.
241 x 125 x 40 mm



ACTIVATING DALI BUS POWER

NOTE:

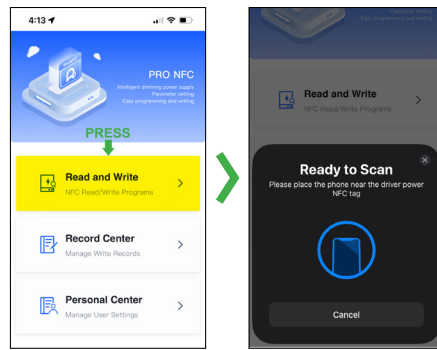
The maximum number of drivers that can be connected to the same DALI bus circuit is four (4). The amperage in each driver with DALI bus power turned on is 56 mA, while the maximum current on which the DALI bus circuit can operate is 250 mA. **DO NOT** connect five (5) or more drivers with DALI bus power turned on.

This procedure can be done with any iPhone or Android device.

1. Download the ProNFC app from the applicable App Store or Google Play Store.



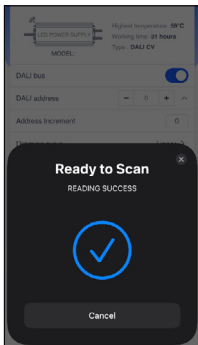
2. Open the App and press the 'Read and Write' button on the home page. A "Ready to Scan" message should appear on the screen.



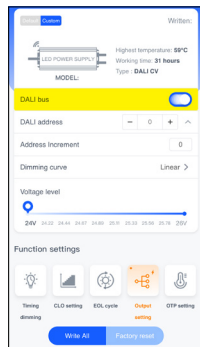
3. Connect the App to the driver by holding the top of the phone (the camera end) to the NFC tag on the driver.



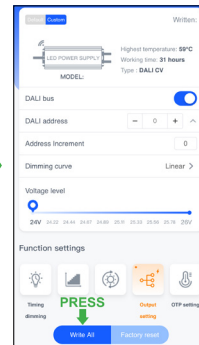
4. A "Reading Success" message with a check mark should pop up, confirming the App and the driver have connected.



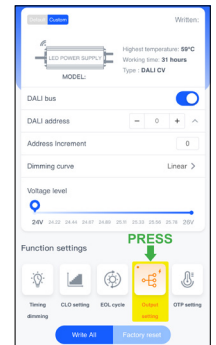
5. The App should then show the "Writing Drivers" page. Press the "Output setting" tab at the bottom of the screen. In the "DALI bus" row, toggle DALI bus power ON. (The slider should move from left to right and change color from gray to blue.)



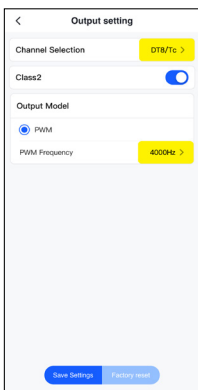
6. Hold the top of the phone to the driver and press the "Write All" button.



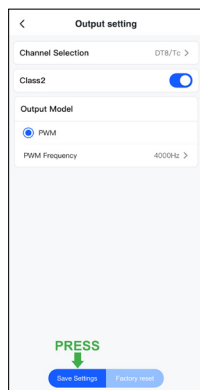
7. Press the "Output setting" button again.



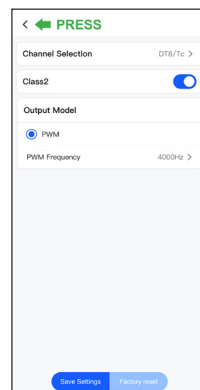
8. Make sure that the "Channel Selection" is set to "DT8" and "PWM Frequency" is set to "4000 Hz".



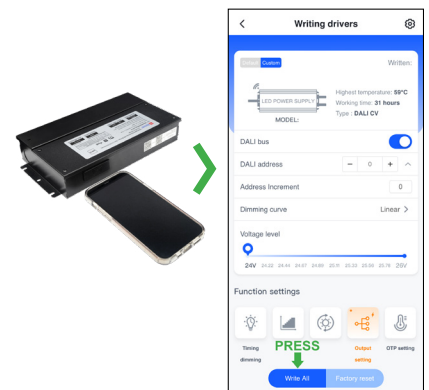
9. Press "Save Settings" at the bottom.



10. Press the back arrow (<) at the top left.



11. Hold the top of the phone to the driver and press the "Write All" button.



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