

DALI-2 & Push (2 in 1) Dimmable Constant Voltage LED Driver



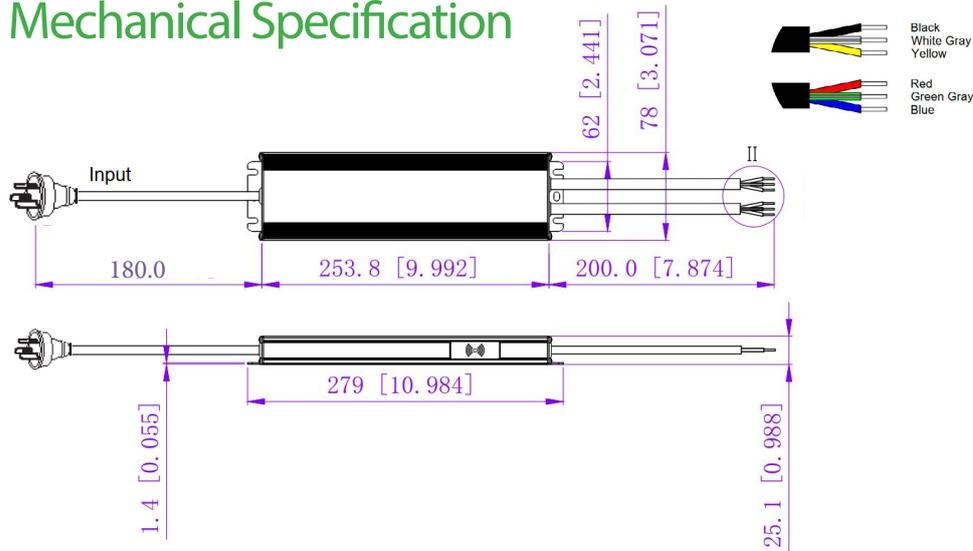
**Features:**

- Constant Voltage adjust with NFC
- AC Input Range: 100~277VAC
- Protections: Short Circuit/Over Load/Over temperature
- Flicker Free Dimming
- IP66 Design for outdoor installation
- RGB+CCT model
- DALI-2 dimming with Logarithmic curve (default) or Linear curve
- 5 year warranty

RoHS

<b>Model</b>		DDV-150-24-RGBCW-AUP		
<b>Output</b>	DC Voltage (V)	24V (24~26V adjusted via NFC)		
	Voltage Tolerance	±0.2V		
	Voltage Regulation	0.5%		
	Rated Current	R+G+B+CW+WW = 6.25A		
	Rated Power	150W		
	Load Regulation	1%		
<b>Input</b>	Voltage Range	100~277VAC		
	Frequency Range	47~63Hz		
	Power Factor	PF≥0.98@120VAC	PF≥0.96@230VAC	PF≥0.94@277VAC
	THD(Typ.) @ Full load	≤10%@120VAC	≤10%@230VAC	≤15%@277VAC
	Efficiency	91.5% @120VAC	93%@230VAC / 277VAC	
	AC Current (Max.)	1.7A		
	Inrush Current	42.4A, 496us@50%120VAC	110A, 49.2us@50%230VAC	68A, 380us@50%277VAC
	Leakage Current	<0.5mA		
<b>Protection</b>	Short Circuit	Hiccup mode, recover automatically after fault condition is removed		
	Over Load	≤120%, Hiccup mode, recover automatically after fault condition is removed		
	Over Temperature	Shell surface temp. 100°C±10°C shut down o/p voltage, automatically recover after the temperature drops.		
<b>Environment</b>	Working Temp.	-40 ~ +60°C (refer to de-rating curve)		
	Working humidity	20 ~ 95%RH, non-condensing		
	Storage TEMP, humidity	-40~+80°C, 10~95%RH, non-condensing		
	TEMP. coefficient	±0.03%/°C (0~50°C)		
	Vibration	10 ~ 500Hz, 5G 12min./1 cycle, period for 72min. each along X,Y,Z axis		
<b>Safety &amp; EMC</b>	Safety Standards	EN61347-1 EN61347-2-13		
	Withstand voltage	I/P-O/P:3.75KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC		
	Isolation resistance	I/P-O/P:100MΩ / 500VDC / 25°C / 70%RH		
	EMC emissions (Note 3.)	EN55015 EN61000-3-2,3 (≥50%)		
<b>Others</b>	NET Weight.	1.03KG		
	Dimensions	278*78*25.1mm (L*W*H)		
	Packing	20PCS / CTN		
<b>Notes</b>	<ol style="list-style-type: none"> <li>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</li> <li>2. Tolerance: Includes set up tolerance and load regulation.</li> <li>3. The power supply is considered as a component that is operated in combination with final equipment. EMC performance could be affected by the complete installation. Original equipment manufacturers may need to conduct additional EMC testing and certification on the final equipment.</li> <li>4. Loading range from 10% to 100%</li> <li>5. Specifications are subject to change without prior notice. Contact ADM Systems to confirm any critical parameters.</li> </ol>			

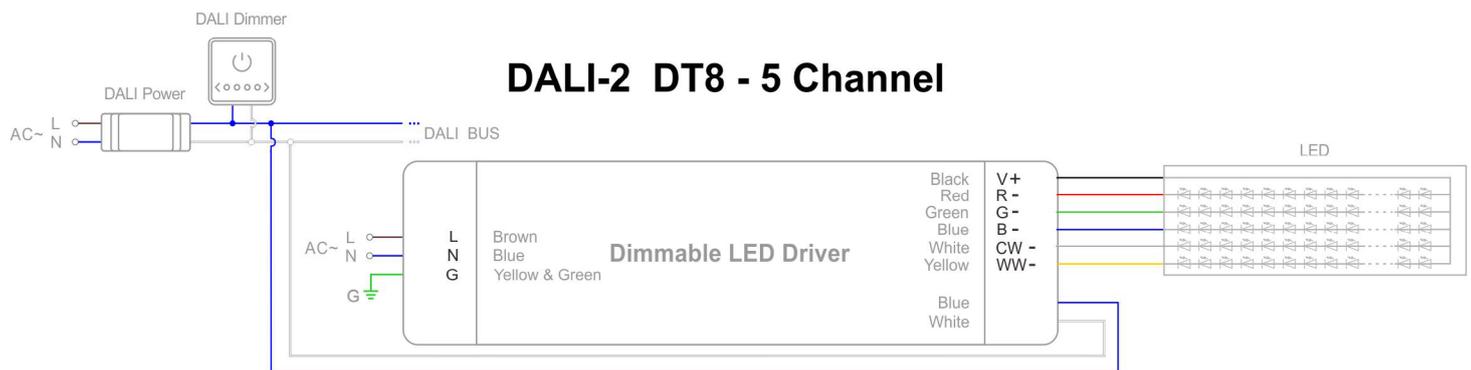
## Mechanical Specification



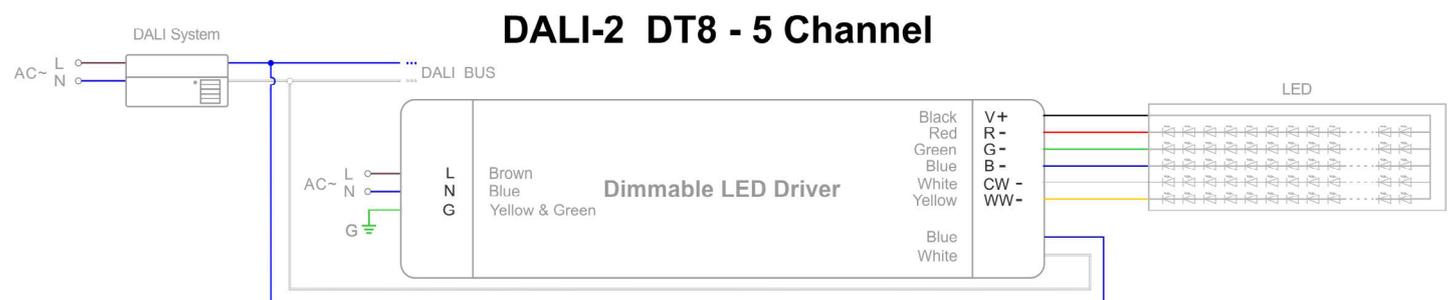
- Output cable type: 3\*0.824mm2, Black, White and Yellow cable (+) to Positive side(+), Red, Green and Blue cable (-) to Negative side (-).
- Incorrect wiring could result in damage to LED Driver, which is not covered by the warranty.
- Contact your supplier with specific input, or output configuration requests.

## Dimming Operation and Connection Diagram

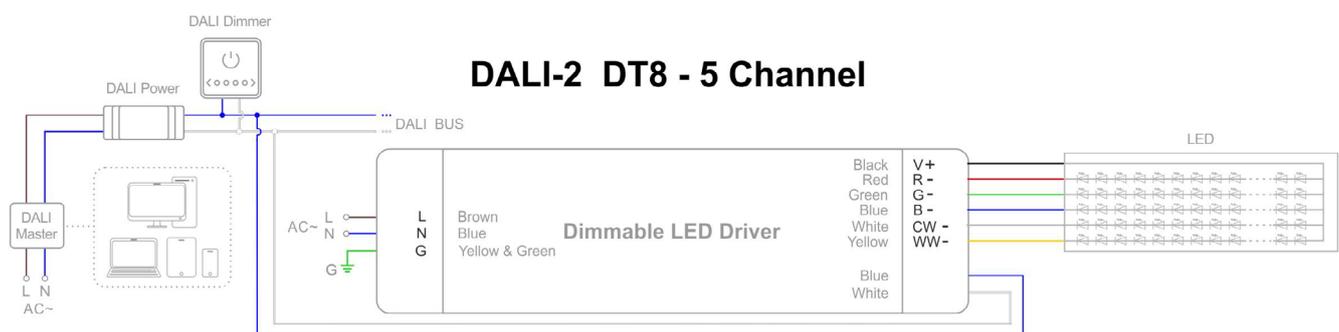
- Using DALI-2 dimming with DALI Power and dimmer



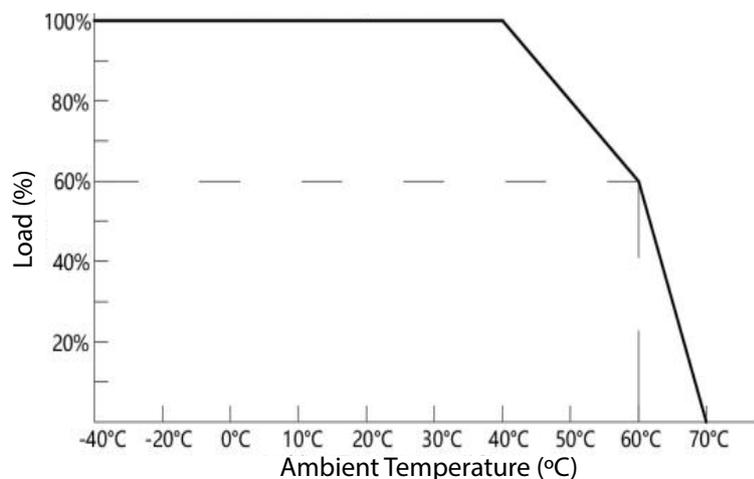
- Using DALI-2 dimming with DALI system and DALI bus



- Using DALI-2 dimming with intelligent device, DALI master and dimmer



## De-rating Curve



- If being used in higher ambient temperatures, ensure the load on the LED driver is de-rated in accordance with this chart. Failure to do so could lead to a premature failure, which is not covered by the warranty.

- This LED driver should be installed by a qualified electrician.
- Please make sure the LED driver is installed with adequate ventilation around it to allow for heat dissipation.
- Ensure that all wiring is correct before testing in order to avoid damage to the LED driver, or the LEDs.

## NFC Function

• Address settings:

NFC setting address: The address can be read and written using a mobile device with the ProNFC app when it is near the NFC signal area of the driver.

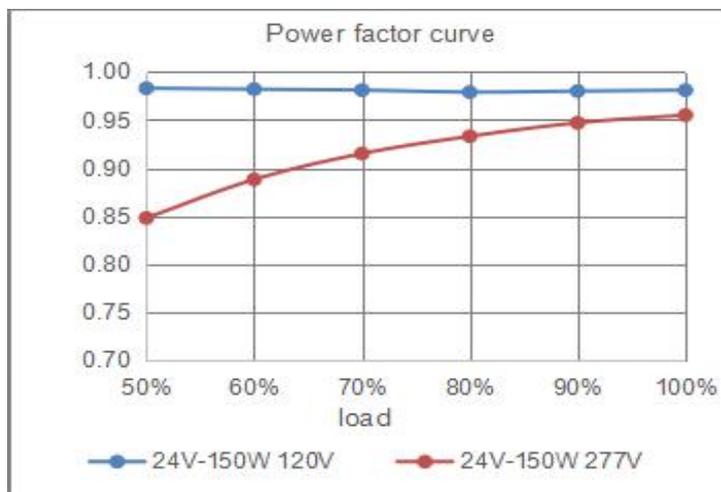


ProNFC APP

### NFC Voltage Adjustment

	level 1	level 2	level 3	level 4	level 5	level 6	level 7	level 8	level 9	level 10
<b>24V</b>	24V	24.22V	24.44V	24.66V	24.88V	25.10V	25.32V	25.54V	25.66V	26.0V

## Power Factor Curve



## Efficiency Curve

