

150W DALI-2 DIMMABLE DRIVER

The 150W DALI-2 Dimmable Driver is a single-channel dimming driver that provides 24V Constant Voltage output. It offers a smooth, flicker-free dimming curve with a DALI master/Touch DIM (Push DIM) switch. Featuring an ultra-thin profile and a metal enclosure, this driver complies with DALI-2 standard protocol IEC 62386 part 207. It is suitable for LED-specific Constant Voltage lighting in several applications.

- Single channel output with 24V Constant Voltage direct current
- Voltage input range: 120-277 VAC
- Meets DALI-2 protocol IEC 62386-207
- Supports Touch DIM (Push DIM) function
- Metal enclosure with ultra-thin design
- Rated IP67
- High efficiency up to ≥90%
- Smooth, flicker-free dimming effect
- 0.1%-100% dimming range
- Short circuit, overload, overvoltage, lightning protection



ORDERING GUIDE

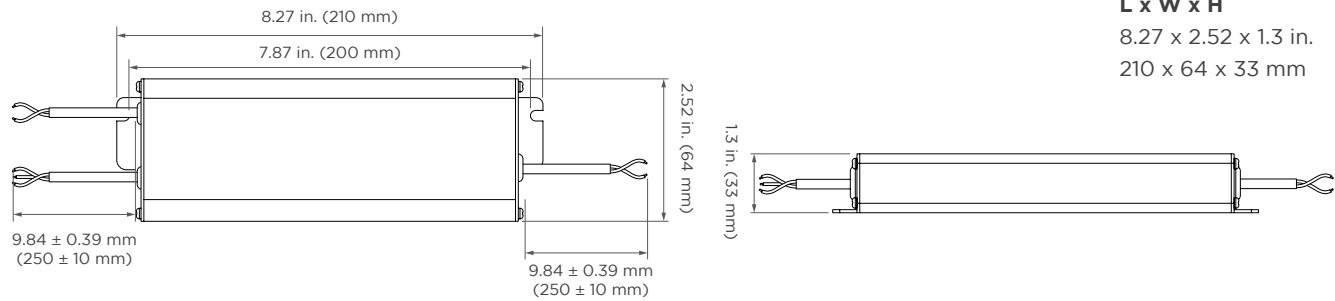
Category	Voltage	Wattage	Dimming Option	Channel
DRVW	24	150	DALI	1CH
DRVW - Waterproof Driver	24 - 24 VDC Output	150 - 150 W	DALI - DALI	1CH - 1 channel

SPECIFICATIONS

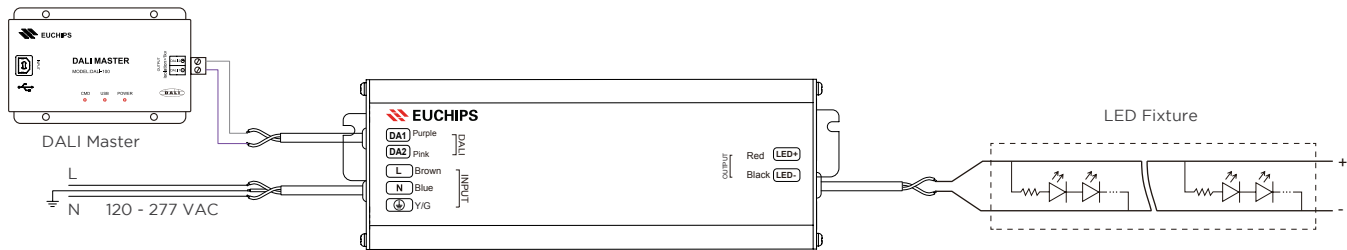
Driver Type	Constant Voltage
Rated Input Voltage Range	120 - 277 VAC
Input Frequency	50-60 Hz
Hipot Withstand Voltage	I/P-O/P: 3750 VAC / 5 mA, I/P-PG:1 500 VAC / 5 mA, O/P-PG: 500 VAC / 5 mA
Input Current (Max.)	0.9 A @ 120 VAC; 0.47 A @ 230 VAC
Inrush Current (Typ.)	Cold start 63 A @ 230 VAC 240 us
THD	≤10% @ 230 VAC, Full load
Power Factor	≥0.95 @ 230 VAC, Full load
Output Power	150 W
Output Voltage	24 V
Output Current	6.25 A
Efficiency @ Full Load	≥91% @ 230 VAC
Safety Standards	IEC 61347-1:2025, IEC 61347-2-13:2024
Working Temp.	-4 — 122 °F (-20 — 50 °C) @ 240 VAC input, -4 — 104 °F (-20 — 40 °C) @ 120 VAC input
Storage Temp.	-40 — 185 °F (-40 — 85 °C)
IP Rating	IP67
Dimming Range	0-100%, down to 0.1%
Dimming Interface	DALI2.0 / Touch DIM (Push DIM)
Dimensions (L x W x H)	8.27 x 2.52 x 1.3 in. (210 x 64 x 33 mm)
Lifetime	50,000 hours
Warranty	5 Years

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DIMENSIONS

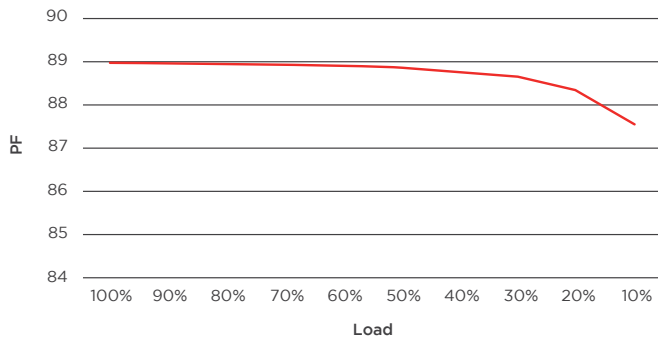


WIRING DIAGRAM

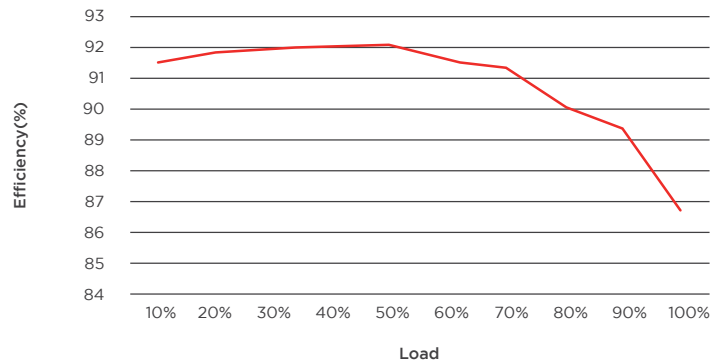


PERFORMANCE

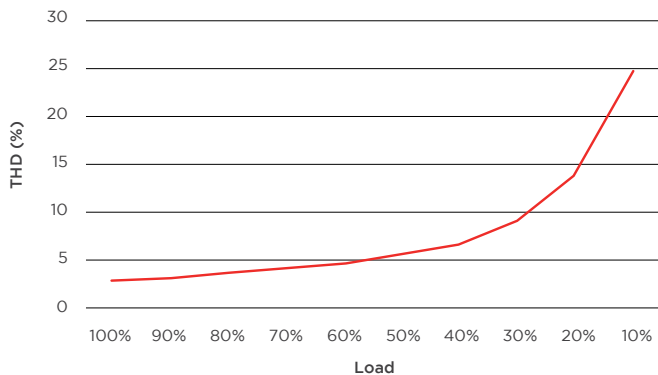
PF vs Load



Efficiency vs Load

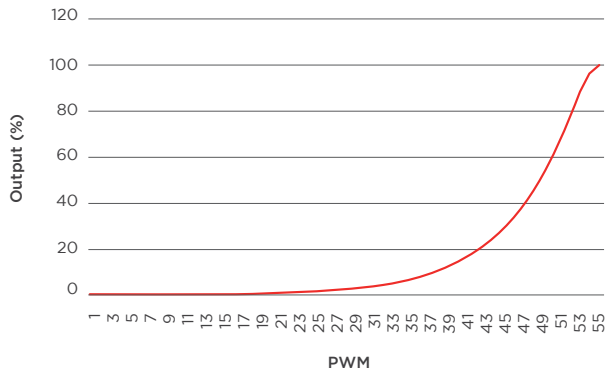


THD vs Load

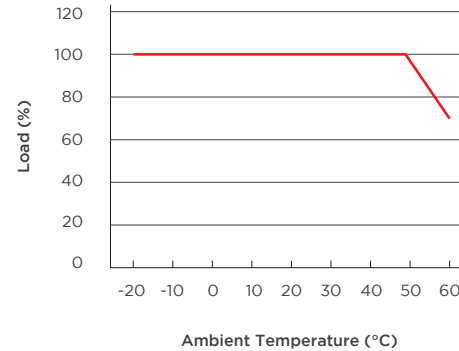


PERFORMANCE (CONT.)

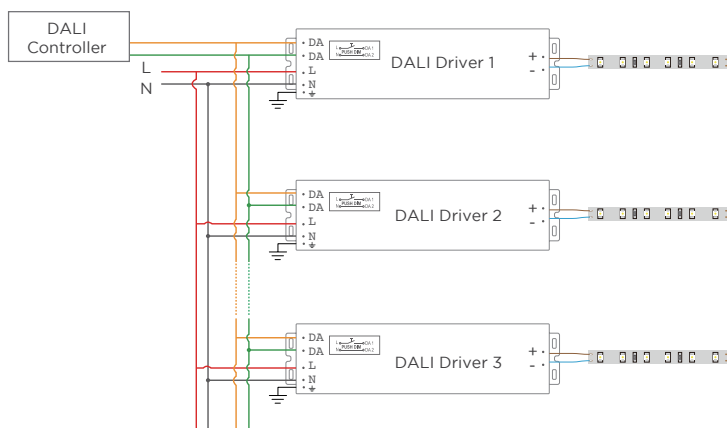
Dimming Curve



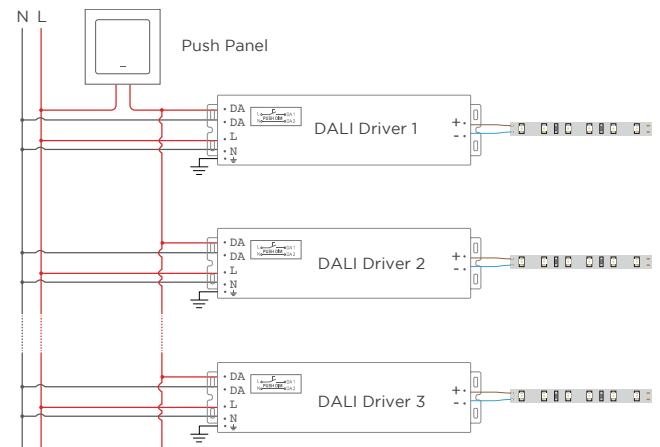
Derating Curve



DALI DIAGRAM



TOUCH DIM (PUSH DIM) DIAGRAM



NOTE:

Only use the open push button WITHOUT an indicator light. Max. cable length between each driver: 65 ft 7 in. (20 m)

Touch Dim (Push DIM) Function

1. Press the Touch DIM switch for 8 seconds or more. The driver can now be controlled via Touch DIM switch.
2. Short press the Touch DIM switch (less than half a second) to turn the luminaire on/off.
3. Long press the Touch DIM switch (more than half a second) to dim the luminaire. The dimming direction will change each time after pressing the switch.
4. Double-click the Touch DIM switch (less than 0.3 second), to set all luminaires on the device to maximum brightness.
5. The brightness range is 1%-100%. Lights can be turned off with short pressing when adjusting with long presses of the Touch DIM switch.
6. With the Power off memory function, the driver will recover the power-down state when it is powered on again.

Cautions

1. This product should be installed by qualified personnel.
2. This product is not waterproof. It needs to avoid sun and rain. In case of outdoor use, please ensure it is mounted in a waterproof enclosure.
3. Good heat dissipation conditions will extend product life. Please install the product in a well-ventilated environment.
4. Please ensure the LED power supply output voltage and current meet the product requirements.
5. Please ensure that an adequately sized cable is used to carry current from the controller to the LED lights.
6. Please ensure that the cable is secured tightly in the connector.
7. Due to safety concerns, PVC or rubber cord of 0.75-2.5 mm is recommended for input and output terminal(s) (excluding signal terminals). A flat power cord is not suitable.
8. Ensure all wire connections and polarities are correct BEFORE applying power to avoid any damages to the LED lights.
9. In case of malfunction, do not attempt to repair this product yourself.

REV.28JUL2025

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