



## 75W DALI-2 DIMMABLE DRIVER

The 75W 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 protections



**RoHS**

**IP67**

**SELV**

## ORDERING GUIDE

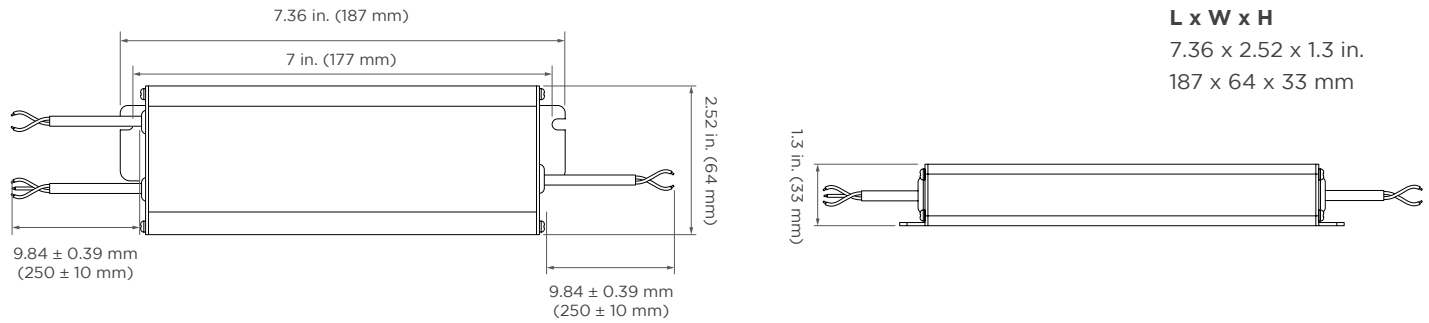
Category	Voltage	Wattage	Dimming Option	Channel
<b>DRVW</b>	<b>24</b>	<b>75</b>	<b>DALI</b>	<b>1CH</b>
DRVW - Waterproof Driver	24 - 24 VDC Output	75 - 75 W	DALI - DALI	1CH - 1 channel

## SPECIFICATIONS

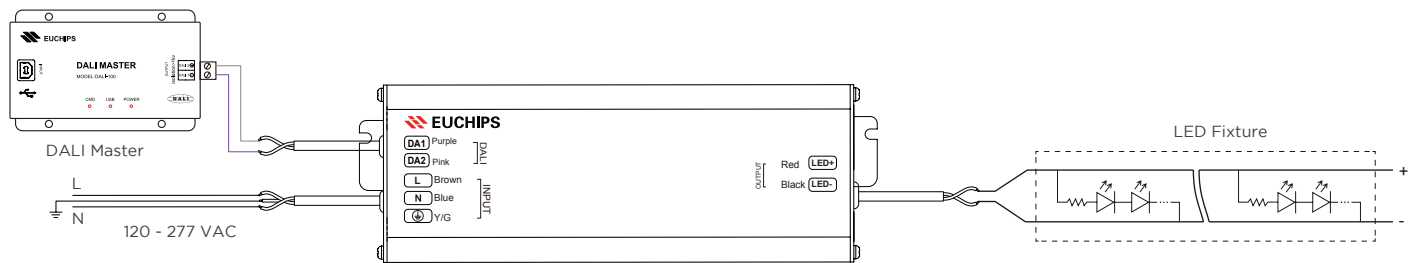
Driver Type	Constant Voltage
Rated Input Voltage Range	120-277 VAC
Input Frequency	50-60 Hz
Hipot Withstand Voltage	I/P-O/P: 3750 VAC / 5 mA; I/P-PG: 1500 VAC / 5 mA; O/P-PG: 500 VAC / 5 mA
Input Current (Max.)	0.9 A @ 120 VAC; 0.47 A @ 230 VAC
Inrush Current (Typ.)	Cold start, 52 A @ 230 VAC 220 us
THD	≤10% @ 230 VAC, Full load
Power Factor	≥0.95 @ 230 VAC, Full load
Output Power	75 W
Output Voltage	24 V
Output Current	3.125 A
Efficiency @ Full Load	≥90% @ 230 VAC
Safety Standards	IEC 61347-1:2025, IEC 61347-2-13:2024
Working Temp.	-4 — 122 °F (-20 — 50 °C)
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)	7.36 x 2.52 x 1.3 in. (187 x 64 x 33 mm)
Lifetime	50,000 hours
Warranty	5 Years

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## DIMENSIONS

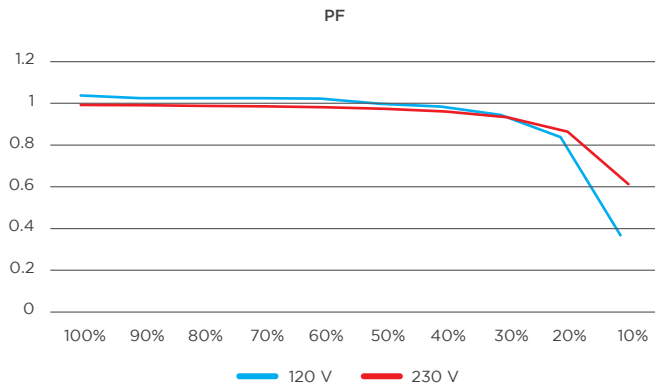


## WIRING DIAGRAM

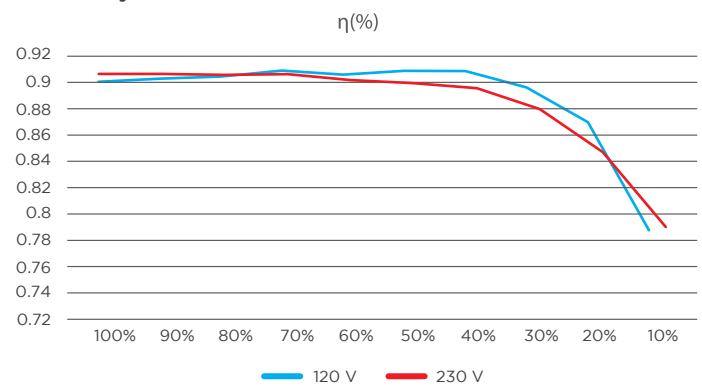


## PERFORMANCE

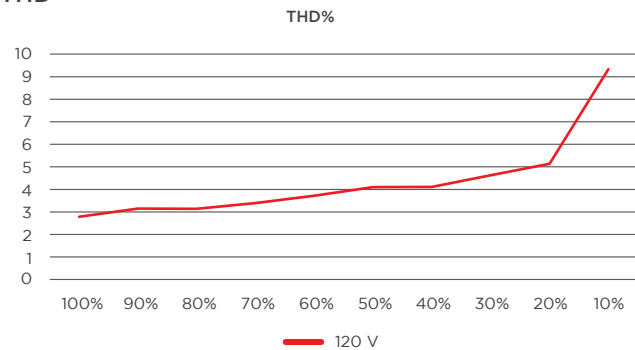
### PF vs Load



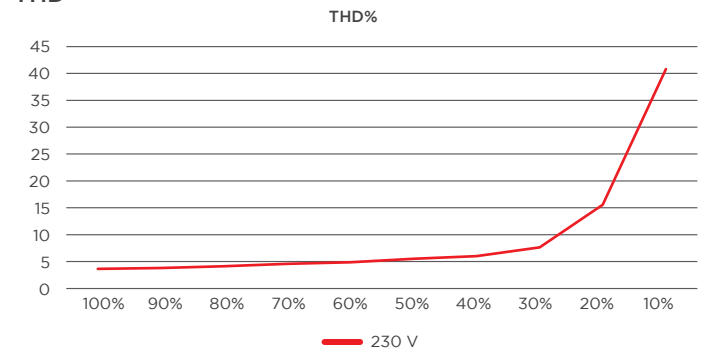
### Efficiency vs Load



### THD

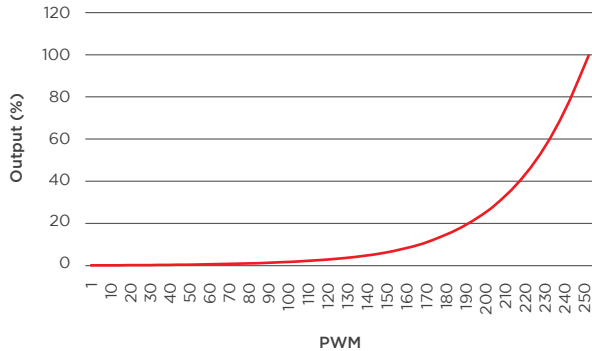


### THD

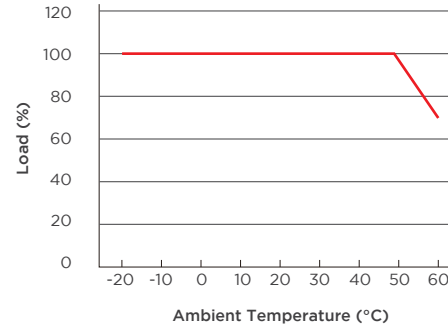


## PERFORMANCE (CONT.)

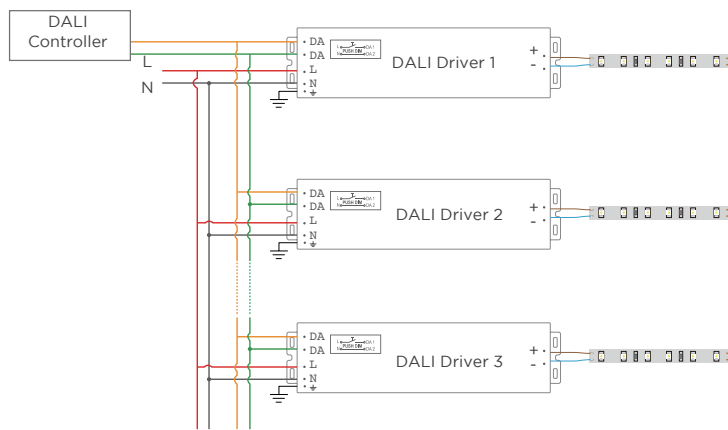
### Dimming Curve



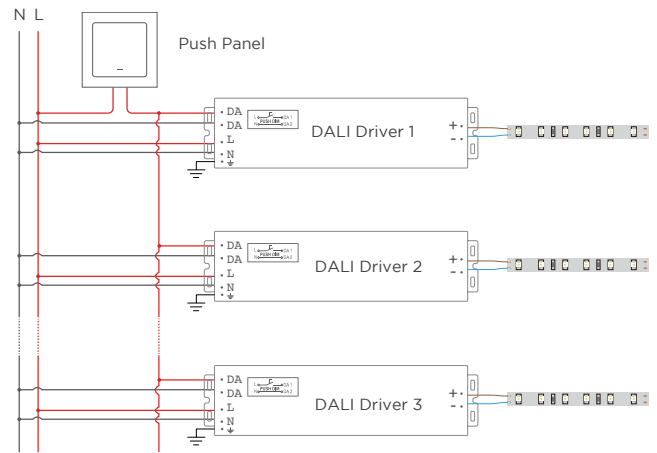
### Derating Curve



### 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.

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#### GLOBAL HQ

320 Murray Hill Pkwy  
East Rutherford, NJ 07073  
U.S.  
T: (+1) 212 629 6830  
E: Sales-US@GENLEDBrands.com

#### EUROPEAN HQ

Hogeweyselaan 119  
1382 JK Weesp  
Netherlands  
T: (+31) 346 235 000  
E: SalesEurope@GENLEDBrands.com

#### MEINA HQ

PO Box 371378, #823, Building 4EA  
Dubai Airport Free Zone  
Dubai, UAE  
T: (+971) 4 701 7901  
E: SalesMEINA@genledbrands.com

#### ASIA-PACIFIC HQ

Room 402, Building D  
Shensi Tongchuang Science and Technology Park  
No. 16 Hongyin Road  
Xingqiang Community, Xinhua Street  
Guangming District, Shenzhen, China 518107  
T: (+86) 755 8529 0710  
E: Sales-Pacific@GENLEDBrands.com