150212 Driver

12W Constant Current Redundancy Dimmable Driver

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Product Code	Dimming & Controls
150212	Leading & Trailing Edge

Order Code **150212**

Driver Compliance

Product Attributes

SELV

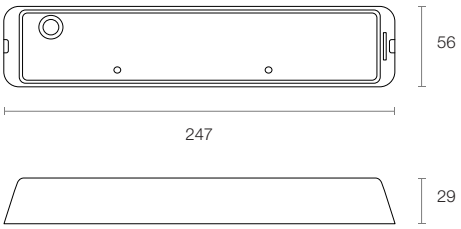
Product Features

- Constant current output
- Supports leading and trailing edge dimming for a smooth dimming effect on supported constant current LED lights
- Seamless redundancy system: Automatically switches to a separate integrated backup driver if the primary driver fails
- Automatic power or self check. Maintains capacitor activity in the backup driver, ensuring the backup driver is in optimal condition, even in stand-by mode.
- Short circuit protection; Open circuit protection

Physical Characteristics

Driver Colour	White
Dimensions (LxWxH)	247 x 56 x 29 mm
Weight	220 g

Dimensions (mm)



Output Parameters

Voltage	30-42V DC
Current	300mA
Wattage	12.6W Max
Current Accuracy	±5%

Input Parameters

Voltage	200-240V AC 50/60 Hz
Current	0.2A Max*
Efficiency	86%
Power Factor	>0.90

* Inrush Current: Cold start, 25A @240V AC

General Characteristics

Dimming Mode	Leading and Trailing Edge
Protection	Short Circuit and Open Circuit Protection
Working Temperature	-20°C to 50°C
tc	85°C
Ingress Protection	IP20
Insulation Contact	Non-IC
Lifetime	100,000 hours

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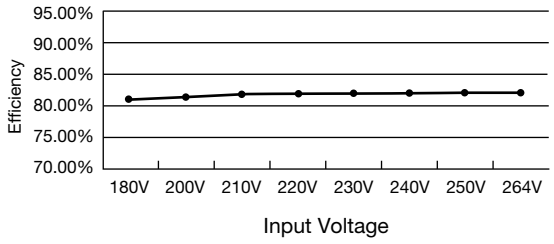
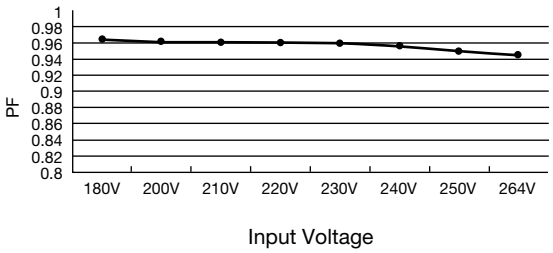
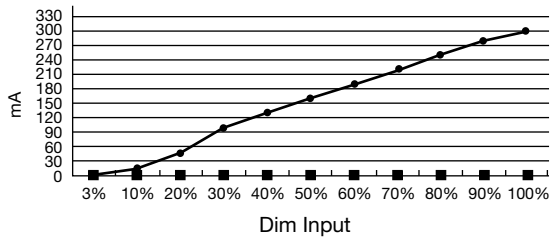
Input Voltage & Effiecncy Curve



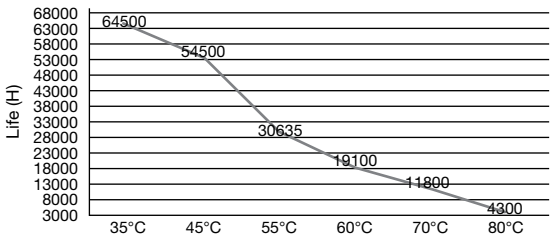
Input Voltage & PF Curve



Dimming curve



Lifespan & Environment Curve



Test Procedure

1. To test the integrated backup driver. Press the black test switch, the main driver will disconnect and the backup driver will engage.
2. The backup power indicater LED will illuminate. Confirming the changeover operation.
3. Release test switch to revert back to main driver operation.
4. The switch method detects the output voltage of the main power supply, when the main power supply stops working the backup power supply will automatically swtich on.

Cautions

1. The product must be installed by a licensed electrician.
2. This product is not waterproof. When used for exterior lighting application, please ensure that the driver is not subject to water ingress.
3. Good heat dissipation will prolong the working life of the LED Driver. Ensure the driver is mounted in a location with adequate ventilation.
4. Ensure the output voltage and current of the driver meets the requirements of the LED they are powering.
5. This product is not user serviceable. If a fault occurs, return the driver to your supplier.

The contents of this manual may be updated without prior notice.
If you are uncertain about any of the driver specifications or instructions,
please contact Trend Lighting for the most up-to-date copy of this document.

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