150223 Driver

12W Max Constant Current Dimmable Driver

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Product Code	Dimming
150223	DALI | 1-10V

Order Code **150223**

Product Features

- Single-channel constant current output
- Selectable output current via DIP switch (120mA/ 180mA/ 240mA/ 300mA)
- Supports DALI, 1-10V and Touch DIM function for a smooth dimming effect on supported 54V constant current lights
- Short circuit protection (SCP); Over voltage protection (OVP); Over current protection (OCP)

Driver Compliance

SELV

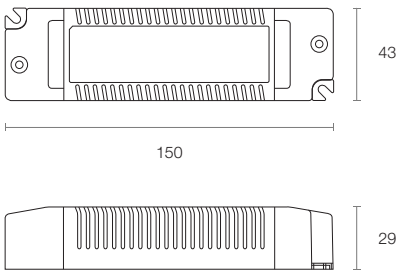
Product Attributes

DALI DIM | 1-10 DIM | IP20 | IC

Physical Characteristics

Driver Colour	White
Dimensions (LxWxH)	150 x 43 x 29 mm
Weight	130 g

Dimensions (mm)



Output Parameters

Voltage	30-42V DC
Current	120mA | 180mA | 240mA | 300mA
Wattage	12W Max
Current Tolerance	±5%

Input Parameters

Voltage	220-240V AC 50/60Hz
Current	0.09A Max*
Efficiency	85%
Power Factor	0.95*

* Inrush Current: Cold start, 60A @240V AC

General Parameters

Dimming Mode	DALI | 1-10V
Protection	SCP, OVP, OCP
Working Temperature	-20°C to 40°C
tc	90°C
Ingress Protection	IP20
Insulation Contact	IC-rated
Lifetime	50,000 hours

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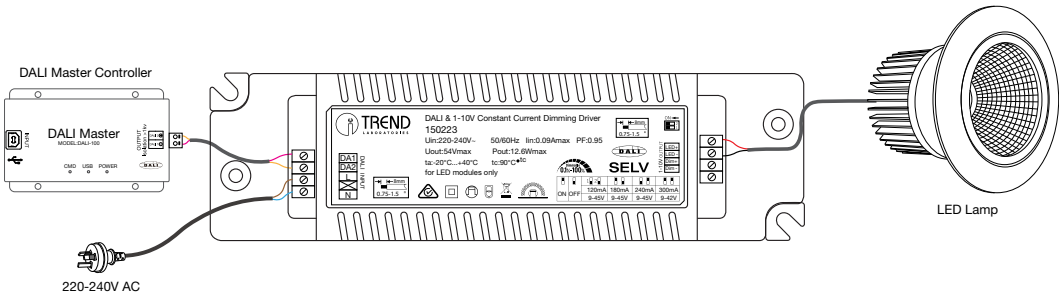
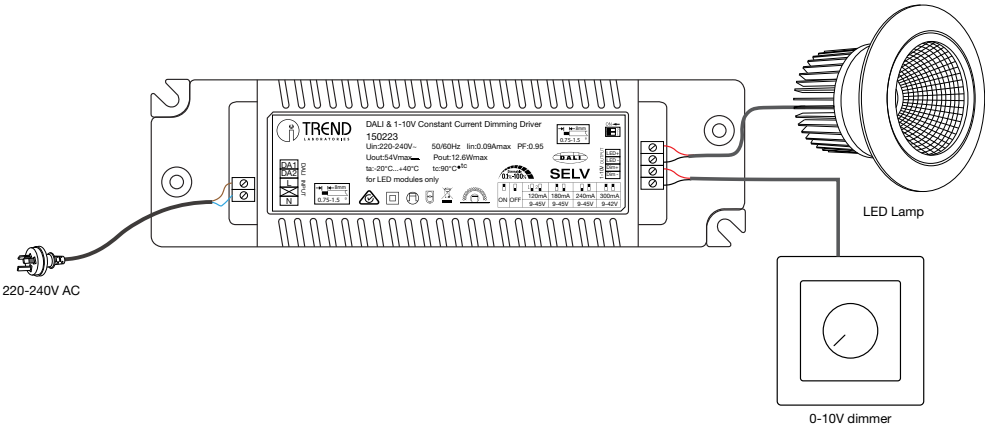
Wiring Diagram

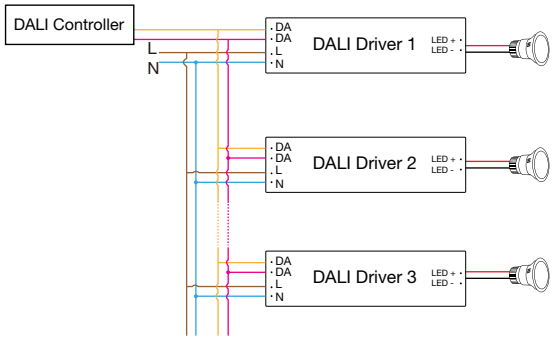
DALI



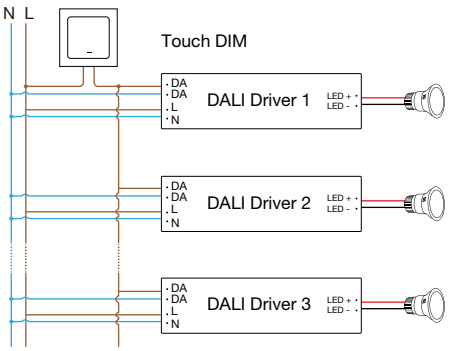
0-10V



DALI Diagram



Touch DIM Diagram *



* Note: Only use open push button without indicator light. Maximum cable length between each unit: 20 meters.

Touch DIM Function

1. Short press the Touch DIM switch (<0.5s) to control the lamp on or off.
2. Long press the Touch DIM switch (>0.5s) to dim the brightness of light.
   The dimming direction will change every time after pressing switch.
3. Double-click the Touch DIM switch (<0.3s), then all lamps connected on the device will be set maximum brightness.
4. The brightness adjustment range is 1%-100%, and the light can be turned off through short pressing when doing the adjustment with long pressing Touch DIM switch.
5. With the Power off memory function, the power-down state will be recovered when power on again.

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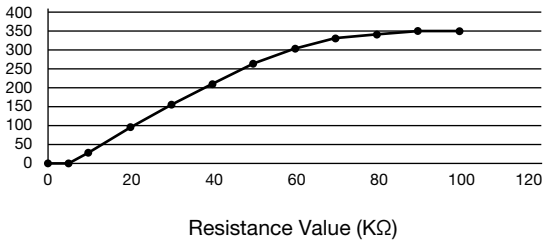
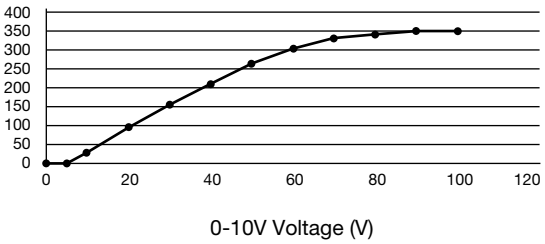
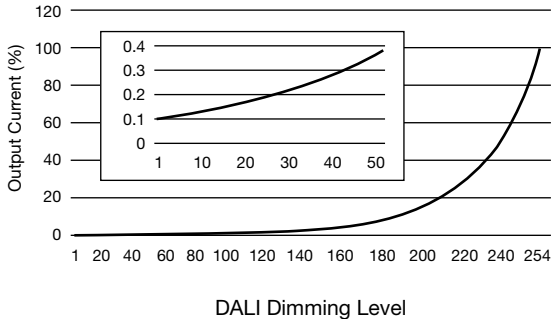
Electric Resistance & Output Current Curve



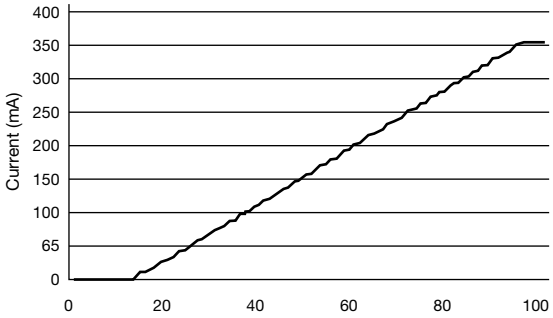
0-10V & Output Current Curve



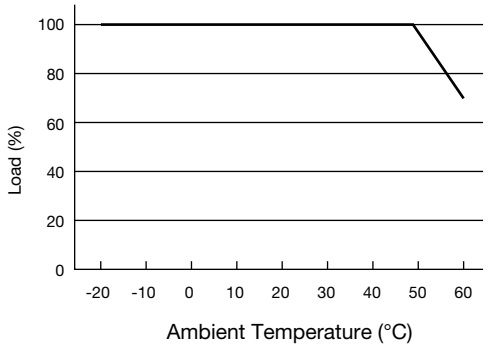
Dimming Curve



PMW Curve



Derating Curve



Cautions

1. The product must be installed by a licensed electrician.
2. DALI and Touch DIM functions cannot be used simultaneously.
3. This product is not waterproof. When used for exterior lighting application, please ensure that the driver is not subject to water ingress.
4. Good heat dissipation will prolong the working life of the LED Driver. Ensure the driver is mounted in a location with adequate ventilation.
5. Ensure the output voltage and current of the driver meets the requirements of the LED they are powering.
6. 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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