150248 Driver

40W Max Constant Current Dimmable Driver

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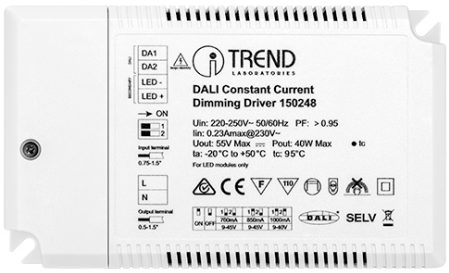
Product Code	Dimming & Controls
150248	DALI or Touch Dim

Order Code **150248**



Product Features

- Single-channel constant current output
- Selectable output current via DIP switch (700mA/ 850mA/ 1000mA)
- Supports DALI and Touch DIM function for a smooth dimming effect on supported 55V constant current lights
- Short circuit protection (SCP); Over voltage protection (OVP); Over current protection (OCP); Over thermal protection (OTP)

Driver Compliance

SELV

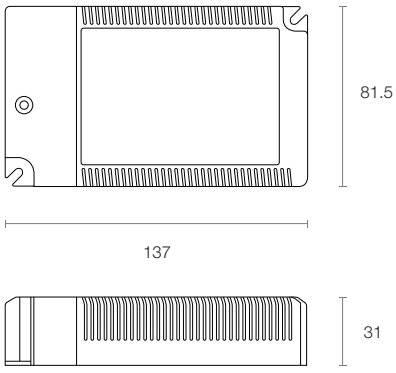
Product Attributes

DALI DIM | IP20 | NON IC

Physical Characteristics

Driver Colour	White
Dimensions (LxWxH)	137 x 81.5 x 31 mm
Weight	218 g

Dimensions (mm)



Output Parameters

Voltage	9-40V DC
Current	700mA | 850mA | 1000mA
Wattage	40W Max
Current Accuracy	±5%

Input Parameters

Voltage	220-250V AC 50/60Hz
Current	0.23A Max*
Efficiency	88%
Power Factor	>0.95

* Inrush Current: Cold start, 40A @240V AC

General Characteristics

Dimming Mode	DALI or Touch DIM
Protection	SCP, OVP, OCP, OTP
Working Temperature	-20°C to 50°C
tc	95°C
Ingress Protection	IP20
Insulation Contact	Non-IC
Lifetime	50,000 hours

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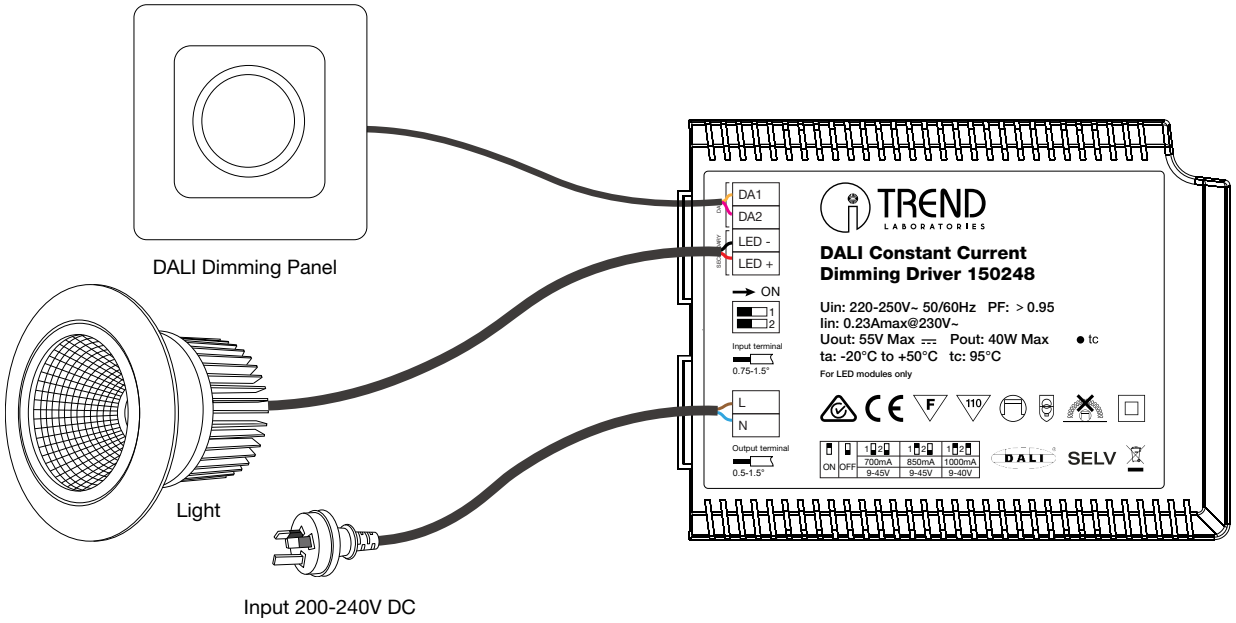
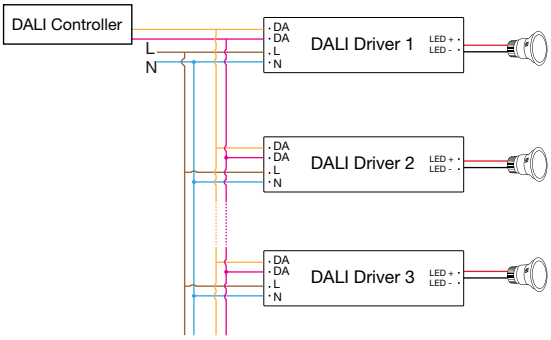
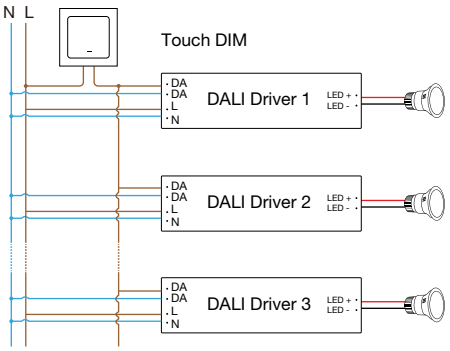
Wiring Diagram



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. Press the Touch DIM for 2 seconds or more, this will cause the drivers to switch into “Touch Dim Mode”. All drivers connected on that DALI line can be controlled via Touch DIM switch.
2. To adjust the brightness, long press the switch (>0.5s).
3. Double clicking the Touch DIM switch (<0.3s); All lamps connected on the device will be set maximum brightness.
4. To turn off all the connected lights, short press the touch dim switch.

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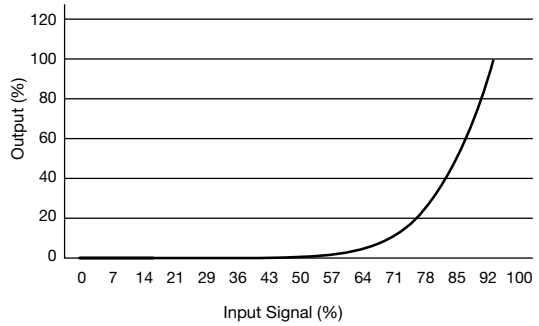
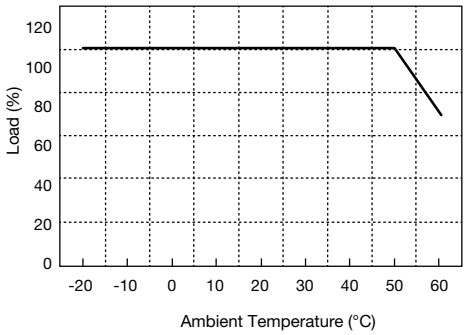
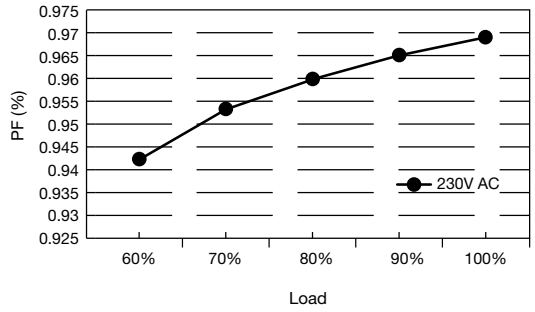
Dimming Curve



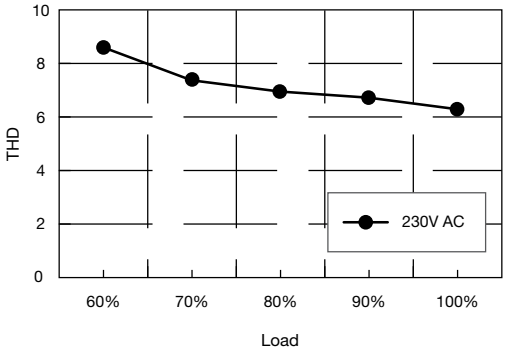
Derating Curve



PF vs Load



THD vs Load



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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