150250 Driver

12W Max Constant Current Tunable Driver

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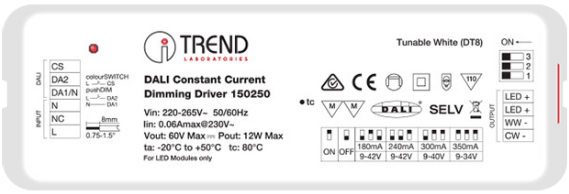
Product Code	Dimming & Controls
150250	DALI2 (DT8)

Order Code **150250-DT8**



Product Features

- Constant current output
- Selectable output current via DIP switch (180mA/ 240mA/ 300mA/ 350mA)
- Supports DALI and Touch DIM functions for smooth dimming
- Tunable white with DALI DT8 Protocol
- Short circuit protection (SCP); Over current protection (OCP); Over voltage protection (OVP)

Driver Compliance

SELV

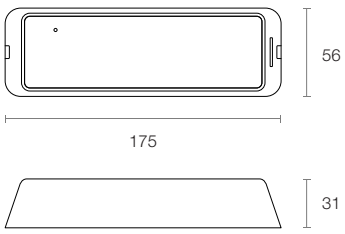
Product Attributes

DT8 DIM | IP20 | NON IC

Physical Characteristics

Driver Colour	White
Dimensions (LxWxH)	175 x 56 x 31 mm
Weight	165 g

Dimensions (mm)



Output Parameters

Voltage	50V DC
Current	180mA | 240mA | 300mA | 350mA
Wattage	12W Max
Current Accuracy	±5%

Input Parameters

Voltage	220-265V AC 50/60Hz
Current	0.06A Max*
Efficiency	83%
Power Factor	>0.95

* Inrush Current: Cold start, 15A @240V AC

General Characteristics

Dimming Mode	DALI2 (DT8)
Protection	SCP, OVP, OCP
Working Temperature	-20°C to 50°C
tc	80°C
Ingress Protection	IP20
Insulation Contact	Non-IC
Lifetime	50,000 hours

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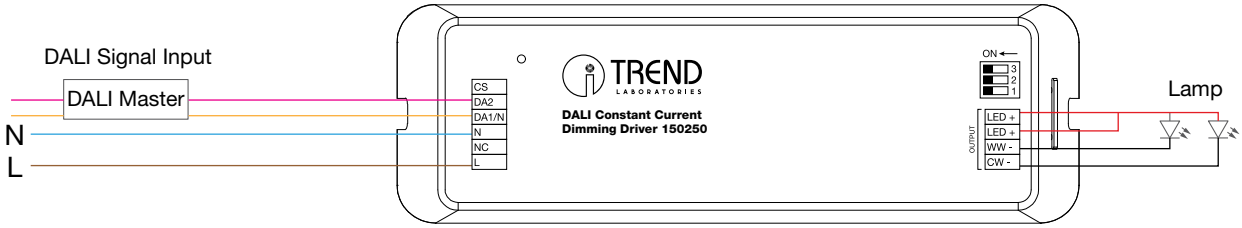
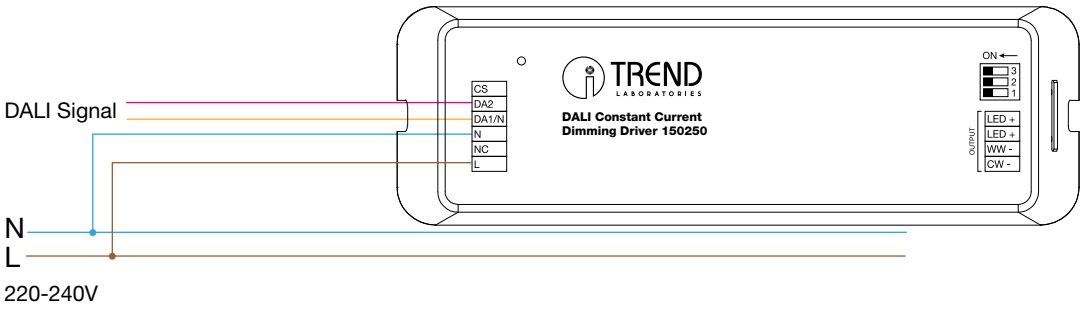
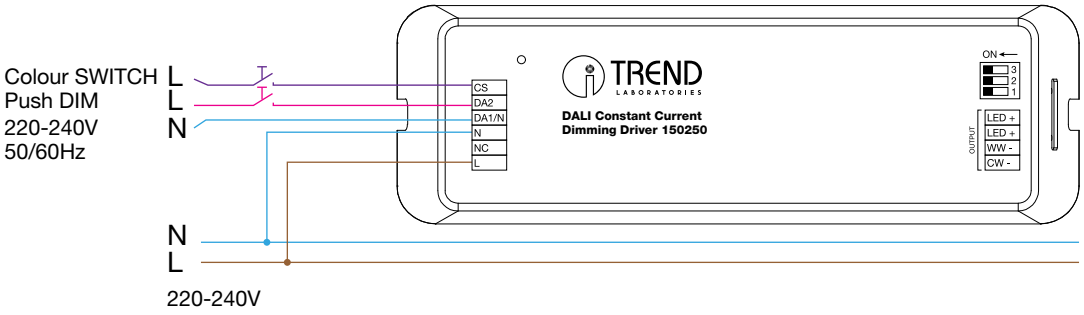
Wiring Diagram



DALI Diagram



Touch DIM Diagram *



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

Push DIM/ Colour Switch

1. Press and hold the Touch DIM switch for 8 seconds or more to activate “TOUCH DIM Mode” on the driver.
2. To adjust the brightness, press and hold the switch.
3. Double-click the Touch DIM switch to set all lamps connected to the device to their maximum brightness
4. To turn off all connected lights, briefly press the Touch DIM switch.
5. The Colour Switch is only functional once “TOUCH DIM Mode” has been activated.
6. Briefly press the Colour Switch to set the colour temperature mode, offering 9 settings ranging from 2,700K to 6,500K.
7. Press and hold the Colour Switch to continuously adjust the colour temperature. Each long press will change the colour temperature in the opposite direction, with a range of 2,700K to 6,500K.
8. Double-click the Colour Switch to turn the light to its maximum brightness and cool light setting (this function is also used to adjust the consistency of multiple power supplies within the same circuit).

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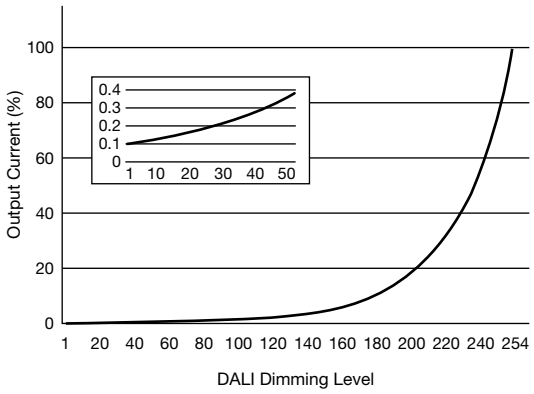
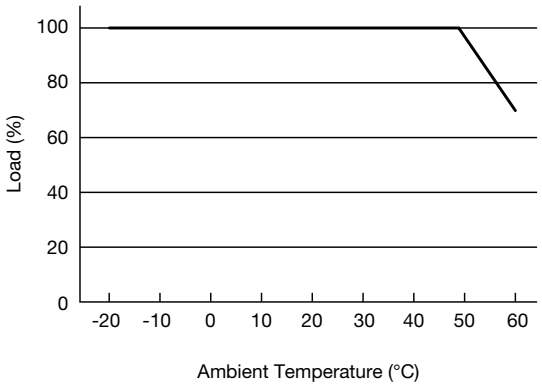
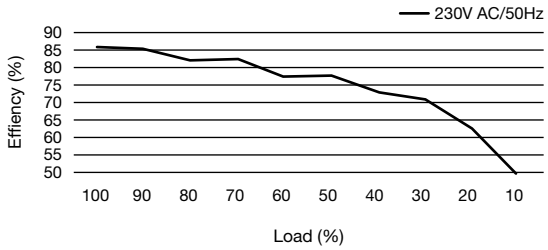
Dimming Curve



Derating Curve



Effieciency 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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