

ICUTRONIC - DALI (AstroDIM) IP65 (SELV)

Constant current LED drivers

Areas of application

- Industry lighting
- Suitable for luminaires of protection class I and II
- Street and urban lighting
- Residential lighting

Product family benefits

- High surge protection: up to 4 kV (L-N)
- Fully programmable via T4T software (DALI / AstroDIM / Constant Lumen)
- Over temperature protection
- Double isolation between primary/secondary sides (SELV)
- IP rating: IP65
- Long lifetime

Product family features

- Supply voltage: 220...240 V
- AstroDim functionality
- Constant Lumen Output (CLO)
- Available with different wattage: 15 W, 25 W, 40 W
- DALI dimming (min.10%)

Product family datasheet

Application advice

For more detailed application information and graphics please see product datasheet.

Additional product information

- Input overvoltage protection: the driver withstands an input voltage up to 305 Vac for a maximum of two hours, shut down of the output load might occur in case the supply voltage exceeds the declared input voltage range.
 - Output short circuit protection: short circuit current is limited to the actual output current setting without damage to the unit. See typical operating window graph for details;
 - Output under voltage operation: The output current setting is still effective if the load voltage is below the minimum output voltage without any safety issue, but normal performance such as output power, THD, EMI and lifetime etc is not guaranteed. See typical operating window graph for details.
 - Output over load/voltage protection: In case the input voltage of the load exceeds the output voltage range which is auto defined by output current setting of the driver ($V_o = P_o / I_o$), it automatically reduces the output current. Auto-reversible without mains power on/off;
 - No load protection: the driver automatically adjusts the output voltage to the maximum output voltage which is auto defined by output current setting if no load is connected. Auto-reversible with the correct load connected;
 - Over temperature protection: the driver is protected against temporary overheating by shutting down until the overheating eliminated; Auto-reversible when temperature back to normal;
 - The functional earth wire should be connected to the heat sink of the LED module to improve the surge withstand capability of the system and EMI in critical luminaires.
 - The startup time to reach the set output current is less than 2s.
 - For further details please consult the application note;
 - The external flexible cable or cord of this driver cannot be replaced; if the cord is damaged, the driver shall be destroyed.
 - Terminal block not included. Installation must be performed by a qualified person.
 - The device has reinforced isolation between its primary, dimming and output circuits.
 - These LED drivers do not suitable use for portable luminaires.
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Sales and Technical Support

Sales and Technical Support www.osram.com

Ecodesign regulation information:

Intended for use with LED modules.

The forward voltage of the LED light source shall be within the defined operating window of the control gear in all operating conditions including dimming if applicable.

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.