OSRAM

OPTOTRONIC FIT D CS L (Dip Switch) EL

Linear / Area Constant Current – Non dimmable

Product family features

– Line frequency: 0 Hz | 50 Hz | 60 Hz
– Supply voltage: 220…240 V
– Line voltage: 198…264 V
– DC detection (0 Hz, pulsating DC), on/off switchable
– Wide output current range
– Lifetime: up to 100,000 h (temperature at T_c = 65 °C, max. 10 % failure rate)
– Non-isolated drivers

Product family benefits

– Flexible current setting (DIPswitch – 6 currents)
– Higher quality of light thanks to low output ripple current
– High efficiency
– User flexibility with six different output currents from one driver
– Safety requirement due to overload, overtemperature, short-circuit protection
– Long reliable life at maximum permitted temperatures
– Enable slim fixture design with flat 21 mm height metal housing

Areas of application

– Linear and area lighting
– Office, industrial and shop lighting
– Suitable for luminaires of protection class I
– Installation in emergency lighting systems according to IEC 61347-2-13, appendix J
– Suitable for installation in emergency lighting systems according to EN 60598-2-22

Product family datasheet

Application advice

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

Additional product information

- Hot plug-in or secondary switching of LEDs is not permitted and may cause a very high current to the LEDs.
- Indication that the lamp control gear relies upon the luminaire enclosure for protection against accidental contact with live parts.
- The control gear is not intended for use in luminaires for high-risk task area lighting.
- 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.
- Input surge protection: the unit is protected against surge up to 1kV between L-N (symmetric surge) and 2 kV L/N-PE (asymmetric surge). During an asymmetric surge, the voltage between the LED outputs and PE is equal or lower than the applied surge voltage.
- Output short circuit / undervoltage protection: shut down of the load happens if Vout is out of the operating range.
- Output over voltage protection: shut down of the load might happen if Vout exceeds the outpurt maximum voltage (depending on current).Step 1: output current reduction to decrease Vout;Step 2: shut down of the load at longer or extreme overvoltage.
- 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 unit is protected against temporary overheating by automatic reduction of the output current when tc > 75°C.
- Switch over time: lower than 0.5 s, from AC to DC mains and viceversa.
- Output power hold time: > 4 ms, in case of mains dips.
- Emergency lighting: this LED power supply is suitable for emergency lighting fixtures acc. to EN 60598-2-22; according to EN 61347-2-13 Annex J.

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.

Product family datasheet

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