

CL

CoolLED LED Drivers



CoolLED

CLK15 low voltage

Up to 15W

350mA, 500mA and 700mA

CoolLED drivers provide a high performance solution for powering high-brightness LEDs from a mains supply.

The power factor corrected, class II driver has a fully isolated, SELV output delivering up to 15W of power.

The Driver employs new advanced circuitry, leading to a cost effective and efficient solution for low power installations. All CoolLED Drivers have a high efficiency design, which ensures cool operation and long life.

The high efficiency allows operation in 50°C ambient. The compact enclosure is available in Integral (B) and Remote Mount (C) versions. Remote types feature screwless cable clamps.

CoolLED Drivers are open and short-circuit protected and have self-resetting over temperature trip.

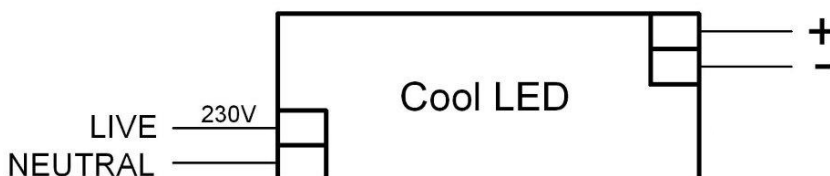
Consult the sales office for Conformal Coated, Potted, Hot-Plug and custom versions.



Key Facts

- 220-240 Input Voltage
- Isolated SELV output
- Up to 85% efficient
- Surge protection up to 4kV
- Power factor corrected (0.91)
- Constant current output
- Low LED Ripple Current
- Self resetting thermal trip
- Integral and remote versions
- Double insulated (Class II)

Wiring diagram



*All information is subject to change at our discretion

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CLK: CLK15: P1/3 V1 LT

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Technical specification

Mains input voltage	220 to 240V ac RMS Nominal
Mains frequency	50 - 60Hz
Mains surge protection	4kV common-mode 2kV differential
Input-output isolation	3.75kV ac rms
Humidity	95% max non-condensing
Thermal trip	110°C - internal self-resetting
Ambient temperature range	-25 °C to 50 °C
Maximum Tc temperature	80 °C
LED ripple current (at full load)	Less than 5%
Terminal blocks	Rising clamp 5mm Pitch
Enclosure	White polycarbonate UL94-V0 rated
Wire size	0.5mm to 1.5mm ²

Variants

Part number	Current	LED String Voltage	Output power range	Off Load Voltage	Power factor at full load	Efficiency at full load
CLK15-350-240-B/C	350mA ±8%	8.5V to 45V	3W - 15W	52V max	>0.91	85%
CLK15-500-240-B/C	500mA ±8%	6V to 30V	3W - 15W	48.5V max	>0.91	85%
CLK15-700-240-B/C	700mA ±8%	4.2V to 21.5V	3W - 15W	26V max	>0.91	84%

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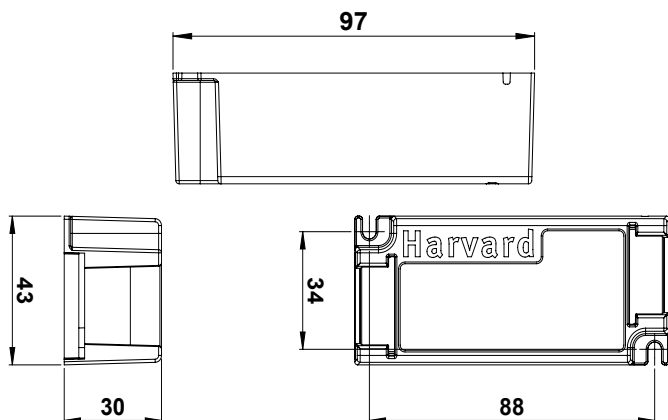
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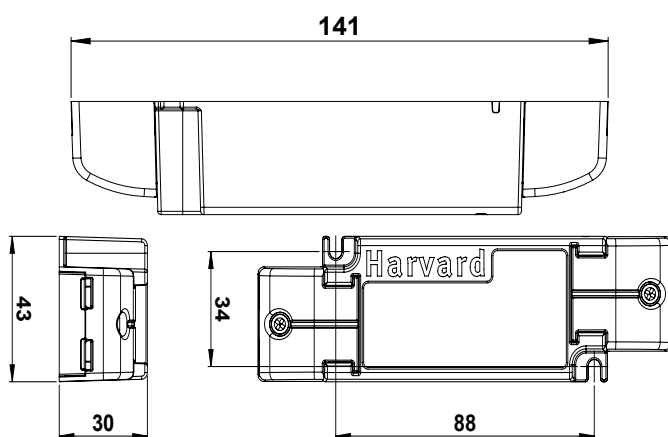
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Dimensions

B Style



C Style



Case Style	Dimensions	Weight	Box Quantity
B - Integral	97mm x 43mm x 30mm	75g	55
C - Remote	141mm x 43mm x 30mm	95g	55

Tolerance: + or - 0.3mm

Compliance

Approval	Standards
ENEC	EN 61347-2-13, EN 61000-3-2, EN 61000-4-5, EN 61547, EN 55015 & EN 62384

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