

CoolLED

LED DRIVERS

CLQ
Twin Switchable & Non-Switchable Output

Up to 66W

500mA, 600mA & 700mA

350/700mA, 500/1000mA & 700/1000mA

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

Power factor corrected, driver has a fully isolated, SELV output delivering up to 2 x 33W of power.

High efficiency design ensures cool operation and long life.

The compact enclosure is available in integral (B) and Remote Mount (C) versions. Remote types feature screw-less cable clamps.

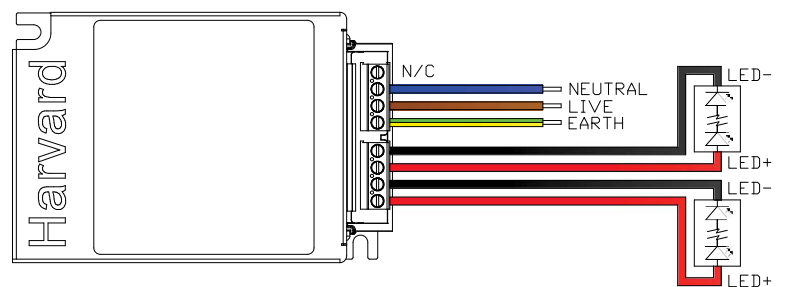
All CoolLED drivers are open and short circuit protected and have self resetting over temperature trip.



Product Description

- 220 - 240V Input voltage
- Power factor corrected (0.98)
- Constant current output
- Self resetting thermal trip
- Up to 89% efficiency
- Surge protection up to 4kV
- Dimmable versions available
- SELV Isolation

Wiring diagram



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Technical Specification

Mains input voltage	220 - 240V ac RMS Nominal
Mains frequency	50- 60Hz
Mains surge protection	4kV common-mode 2kV differential
Input-output isolation	3kV ac rms
Mains inrush current	75A peak decaying over 20us
Humidity	95% max non-condensing
Thermal trip	110°C - internal self-resetting
Ambient temperature range	-25°C to 50°C
Terminal blocks	Rising clamp 5mm pitch
Enclosure	Aluminum
Wire size	0.5mm to 1.5mm ²

Case Style	Dimensions	Weight	Box Quantity
Integral 'B' Style	116.55mm x 81.50mm x 34.50mm	250g	60
Remote 'C' Style	142.50mm x 81.50mm x 34.50mm	263g	60

Tolerance: + or - 0.5mm

Variants

Part number	Current	LED String Voltage	Maximum Tc temperature	Output power range	Power factor at full load	Efficiency at full load
CLQ2500-240-B/C	500mA (±5%)	12V to 48V	85°C	48W @ 500mA (24W per string)	>0.98 typical	88% typical
CLQ2600-240-B/C*	600mA (±5%)	12V to 48V	85°C	58W @ 600mA (29W per string)	>0.98 typical	89% typical
CLQ2700-240-B/C	700mA (±5%)	12V to 48V	85°C	66W @ 700mA (33W per string)	>0.98 typical	89% typical
CLQ2700S-240-B/C	350/700mA (±5%)	12V to 48V	85°C	66W @ 700mA (33W per sting) 34W @ 350mA (17W per string)	>0.98 typical	89% typical
CLQ21000S-240-B/C	500/1000mA (±5%)	12V to 33V (48V @ 500mA)	80°C	66W @ 1000mA (33W per sting) 48W @ 500mA (24W per string)	>0.98 typical	86% typical
CLQ21000S2-240-B/C	700/1000mA (±5%)	12V to 33V (48V @ 700mA)	80°C	66W (33W per string)	>0.98 typical	86% typical

* ENEC Pending

Compliance

Approval	Standards
ENEC	EN 61347-2-13, EN 61000-3-2, EN 61000-3-3, EN 61547:2009, EN 55015:2013



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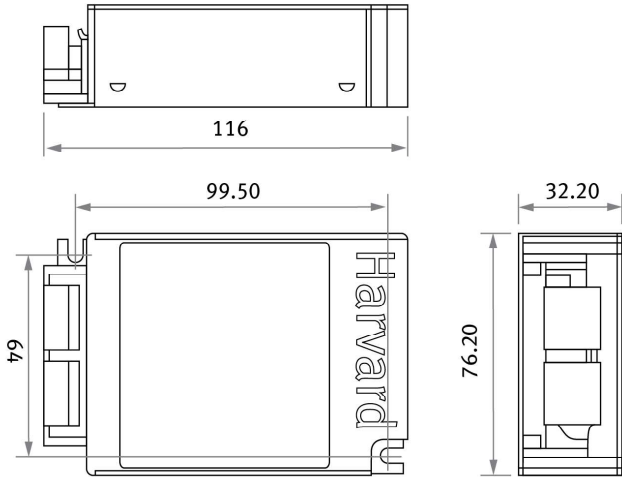
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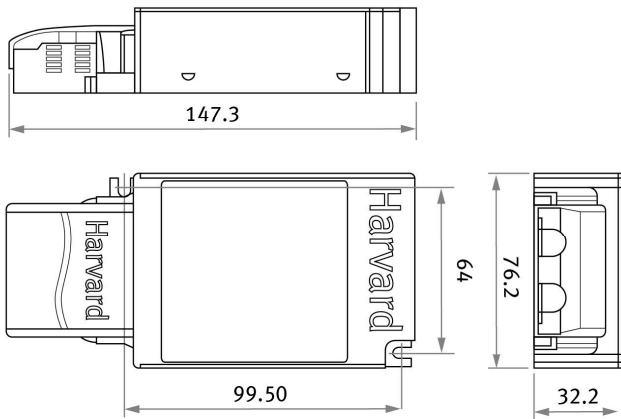


Dimensions

B Style



C Style

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