

CL Switchable

Up to 33W

350/500mA, 350/700mA, 450/900mA,
500/1000mA & 1200/1400mA

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

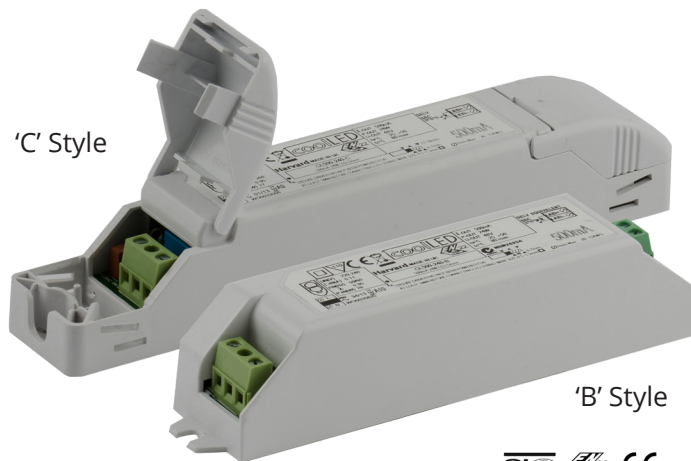
CoolLED Switchable Drivers feature a switch, accessible during installation, to select between two current values.

The power factor corrected, class II driver has fully isolated, SELV output delivering up to 33W of power.

All CoolLED Drivers have a high efficiency design, which ensures cool operation and long life. 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.

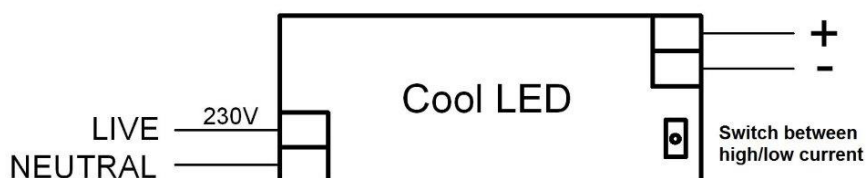
These drivers include a "soft dim" feature to avoid sudden steps in LED brightness.



Key Facts

- 220-240 Input voltage
- Power factor corrected (0.98)
- Constant current output
- Self resetting thermal trip
- Double insulated (Class II)
- Screwless cable clamps for fast assembly (C-Style)
- Up to 88% efficient
- Surge protection up to 4kV
- SELV isolation
- Integral and remote versions

Wiring diagram



*All information is subject to change at our discretion

** For custom variants please consult a sales representative

Technical specification

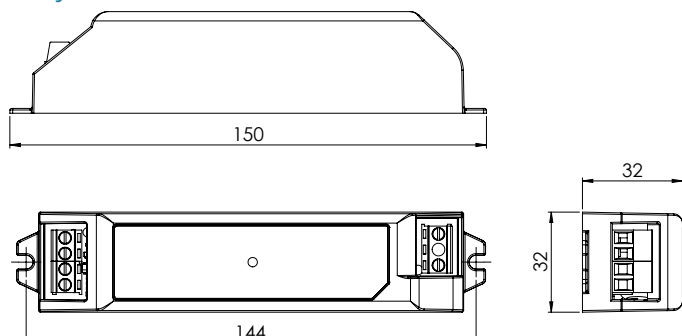
Mains input voltage	220 to 240V ac RMS Nominal
Mains frequency	0/50/63Hz
Efficiency at full load	88% typical
Mains surge protection	4kV common-mode 2kV differential
Input-output isolation	3kV ac rms
Humidity	95% max non-condensing
Thermal trip	110°C - internal self-resetting
Ambient temperature range	-25 °C to 50 °C
Maximum Tc temperature	80 °C
Humidity	95% max non-condensing
Terminal blocks	Rising clamp 10mm input pitch, 5mm output pitch
Enclosure	White polycarbonate UL94-V0 rated

Variants

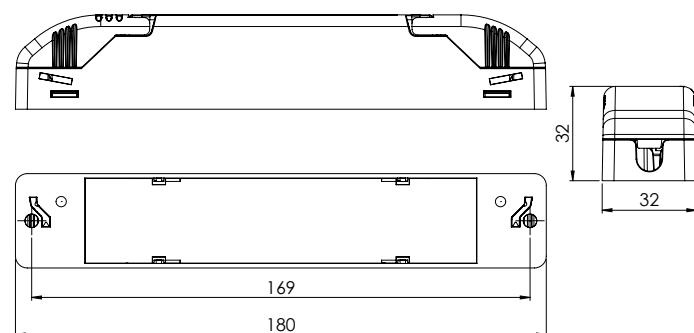
Part number	Current	LED String Voltage	Output power range	Power factor at full load	Efficiency at full load
CL500S-240-B/C	350mA & 500mA	9V to 48V	350mA = 3.15 - 17W 500mA = 4.5 - 24W	>0.95 (0.98 typical)	88% typical
CL700S-240-B/C	350mA & 700mA	9V to 48V	350mA = 3.15 - 17W 700mA = 6.3 - 33W	>0.95 (0.98 typical)	88% typical
CL900S-240-B/C	450mA & 900mA	20V to 37V	450mA = 9 - 17W 900mA = 18 - 33W	>0.95 (0.98 typical)	88% typical
CL1000S-240-A/B/C	500mA & 1000mA	9V to 33V (48V at 500mA)	500mA = 4.5 - 24W 1000mA = 9 - 33W	>0.95 (0.98 typical)	88% typical
CL1400S-240-A/B/C	1200mA & 1400mA	9V to 18V (21V at 1200mA)	1200mA = 10.8 - 21.6W 1400mA = 12.6 - 25W	>0.95 (0.98 typical)	88% typical

Dimensions

B Style



C Style



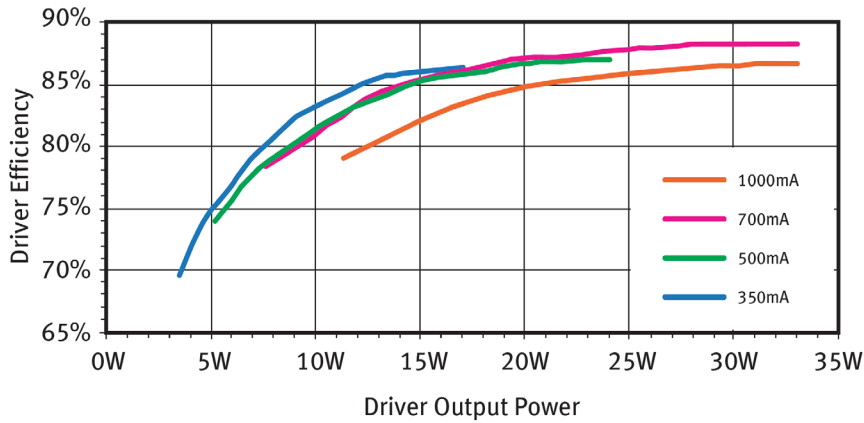
Case Style	Dimensions	Weight	Box Quantity
B - Integral	150mm x 32mm x 32mm	115g	50
C - Cable clamps	180mm x 32mm x 32mm	130g	50

Tolerance: + or - 0.3mm

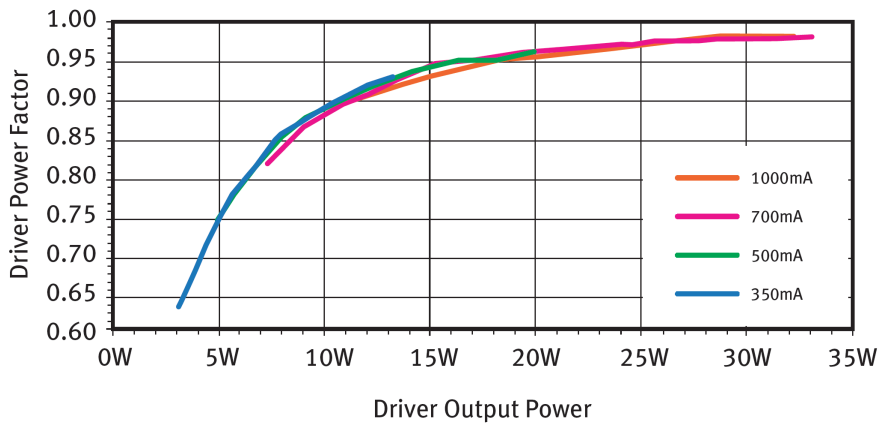
Compliance

Approval	Standards
ENEC	EN 61347-2-13, EN 61000-3-2, EN 61000-3-3, EN 61547, EN 55015 & EN62384

Efficiency Vs Outout Power



Power Factor Vs Outout Power



*All information is subject to change at our discretion

** For custom variants please consult a sales representative