

Cool-LED - High Power 56V, LED DRIVERS

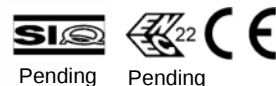
350mA and 500mA

Cool-LED DRIVERS provide a high performance solution for powering high-brightness LED's from a mains supply.

The power factor corrected, class II driver has fully-isolated, SELV output delivering up to 28w of power. The well regulated output current will typically power a series string of between 8 and 16 LEDs with a 1W to 3W rating up to a combined forward voltage of 56V.

High efficiency design ensures **cool operation** and **long life**. The compact enclosure is available in Remote with Flying Leads (A), Integral (B) and Remote Mount (C) versions. Remote types feature screwless cable clamps. **Cool-LED DRIVERS** are open and short-circuit protected and have self-resetting over temperature trip.

Consult the sales office for versions where the current level can be set by external switch or presence detector. These drivers include a "soft dim" feature to avoid sudden steps in LED brightness.



- Power factor corrected (0.98)
- Constant current output
- Self resetting thermal trip
- Double insulated (Class II)
- Screwless cable clamps for fast assembly
- Up to 88% efficient
- Surge protection up to 3.75kV
- SELV isolation
- Made in UK
- Integral and remote versions
- Dimmable versions available (consult sales team for details)
- Available in 350/500mA switchable version upon request

Technical Specification

Parameter / Model	CL350-240-56V-A, B or C	CL500-240-56V-A, B or C
Mains input voltage range	198 to 265V ac rms	
Mains frequency	47 to 63Hz	
Power factor at full load	>0.95 (0.98 typical)	
Efficiency at full load	88% typical	
Mains surge protection	3.75kV common-mode 2kV differential	
Input-output isolation	4kV ac rms	
Ambient temperature range	-25°C to 50°C	
Maximum Tc temperature	80°C	
Humidity	95% max non-condensing	
Thermal trip	110°C self-resetting	
Maximum output power	20w	28w
Output current (switchable)	350mA	500mA
Output current accuracy	±5%	
LED string voltage	24V to 56V	
Typical no. of LEDs (1-3W)	8 to 16	
Open-circuit output voltage	58V maximum	
Enclosure	White polycarbonate UL94-V0 rated	
Dimensions	See diagrams for A, B and C types	
Terminal blocks	Rising clamp 5mm pitch ('B' and 'C' type only)	
Wire size	0.5 to 1.5mm ²	
Weight	120g	
Compliant standards	EN 61347-2-13 EN 6100-3-2 EN 6100-3-3 EN 61547 EN55015:2006 +A1:2007 EN62384	

