

Cool-LED - CLQ-Twin Output, LED DRIVERS

Switchable 350/700mA, 500/1000mA
and 700/1000mA

CLQ-Twin drivers provide a high performance solution for powering high-brightness LED's from a mains supply.

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

The well regulated output current will typically power 2 x series strings of between 4 and 14 LEDs.

The 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 Cool-LED DRIVERS are open and short-circuit protected and have self-resetting over temperature trip.



- Two independent strings of 33W
- Up to 4 - 14 LEDs on each string
- Switchable output current
- Power factor corrected (0.98)
- Constant current output
- Self resetting Thermal Trip
- Up to 89% efficient
- Surge protection up to 4kV
- Universal Input Voltage
- Dimmable versions available
- SELV Isolation
- Made in UK
- Integral and Remote versions

Technical Specification

Parameter	CLQ2700S-240-B or C	CLQ21000S-240-B or C	CLQ21000S2-240-B or C
Mains input voltage range	220-240Vac RMS nominal		
Mains frequency	47 to 63Hz		
Power factor at full load	>0.98 typically		
Efficiency at full load	89% typically		
Mains surge protection	4kV 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	2 strings of 33W each		
Output current (switchable)	350/700mA	500/1000mA	700/1000mA
Output current accuracy	±5%		
LED string voltage	12V to 48V		
Typical no. of LEDs (1-3W)	4 - 14 per string		
Open-circuit output voltage	48V	48V	48V
Enclosure	Aluminium		
Dimensions	See diagrams for B and C types		
Terminal blocks	Rising clamp 5mm pitch		
Wire size	0.5 to 1.5mm ²		
Weight	250g		
Compliant standards	EN 61347-2-13 EN 6100-3-2 EN 6100-3-3 EN 61547 EN55015		

