



CELtronic LED Smart LED Driver 30w-90w

Energy-efficiency

A reliable High Power IP20 LED Driver which has a 50,000 rated life. The driver is SELV (Safety Extra Low Voltage) compliant and with isolated output ensures safety. Three different power levels (700, 1000, 1400mA) can be selected by Dip Switches or by DALI command.

Unique 10-level Dimming Capability

CELtronic LED Driver has an impressive 10 dimming level capacity (including off) maximising your planning savings capability.

DALI Built- In

Easily upgraded to DALI, gives you the option to connect to any CMS system straightaway or whenever you may need to in the future, the in-built DALI in the CELtronic LED Driver ensures your system is relevant and future-proof.

- LED optimal control: Constant Current, Power Control
- Easy current change: Dip Switch or DALI command
- Multi-step dimming or DALI controlled
- Management and Control: via DALI or RF
- Efficiency: >90% (full intensity)
- Easy to install, fits wide range of LEDs
- Surge protection, Output short Circuit, over Temperature, Output over Voltage, Output Isolation
- Long life – high quality components

TECHNICAL

INPUT	
Nominal Input Voltage	220V-240V
Input Voltage Range	198V-264V AC
Inrush Current	$I_{peak} < 5A$
Frequency	50-60Hz
Power Factor	≥ 0.98 (at full load)
OUTPUT	
Output Current/Power	700mA (load voltages 43V-117V) 30W-82W 1000mA (load voltages 33V-91V) 33W-91W 1400mA (load voltages 22V-64V) 30.8W-89.5W
Output Voltage Range	700mA 43V-117V 1000mA 33V-91V 1400mA 22V-64V
Current (configurable)	700mA $\pm 5\%$ 1000mA $\pm 5\%$ 1400mA $\pm 5\%$
Efficiency	$> 90\%$ Full Intensity
Dimming	10%-100% (rated load current modulated by PWM 122Hz)
Output Current Ripple	$\leq 10\%$
Isolation : Isolated output	$V_{out} < 120VDC$ (SELV equivalent)
REGULATIONS	
Safety	EN61347-2-13
Performance	EN62384
EMC	EN55015, 61000-3-2, 61547, 61000-4-5
RoHS	RoHS compliant
PROTECTIONS	
Surge Protections	L-PE/N-PE: 4kV L-N: 2kV
Output Short Circuit	Protected
Output Over Voltage	Protected
Over Temperature	Protected
INSTALLATION	
Class	PE connection required
CASE	
IP Protection	IP20
Ta	700mA $\pm 5\%$ 1000mA $\pm 5\%$ 1400mA $\pm 5\%$
Tc max	70°C
Storage Temp	-20°C to 85°C
Storage Humidity	5%-95%
Dimensions	L240mm x W60mm x 40mm

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