

421890-XXXX-X0 50W Mains Dimmable LED Driver

CONSTANT CURRENT LED DRIVER FOR LEDSTAR RANGE AND OTHER LED DEVICES

TECHNICAL DETAILS

Input Characteristics

- Input Voltage Range: 220 - 240 VAC
- Input Frequency Range: 50 - 60Hz
- Efficiency At Full Load: 88%
- Power Factor At Full Load: > 0.95
- THD At Full Load: ≤ 15%
- Max Inrush Current: < 10A at 230 VAC 200μs
- Circuit breaker loading (230Vac) : 16A Type B = 30 max

Output Characteristics

- Maximum LED output power: 50W
- Number of LED outputs: 1
- Programmable LED output current range: 1050 - 2100mA
- LED output type: Switchable in increments within specified current range
- LED output current tolerance: +/- 5% at programmed LED output current
- LED output voltage range: 2 - 43V

Protection

- Against overheating and short circuits
- Against mains voltage spikes
- Against overloads

Control Characteristics

- Control channels: 1
- Control protocol: Triac - Leading or Trailing Edge
- Dimming range: 100% - 0%

Environmental Conditions

- Operating ambient temperature (Ta) range: -25 °C to +35 °C

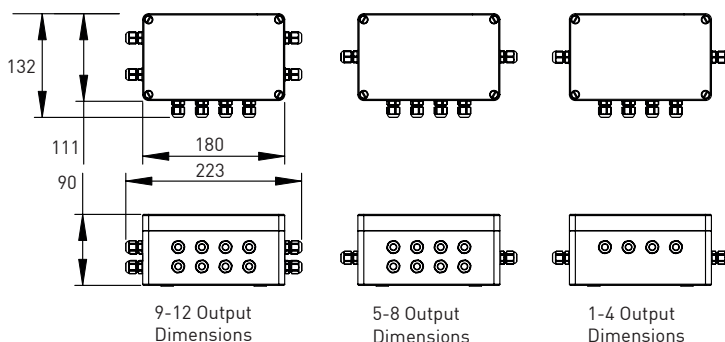
Main Drive Currents

			LEDStar Mini		LEDStar Midi Standard		LEDStar Midi Narrow		PART NUMBER		
Driver Current	Driver Wattage	Driver Voltage	Voltage	Fittings (Min-Max)	Voltage	Fittings (Min-Max)	Voltage	Fittings (Min-Max)	1-4 Junction Box Outputs	1-8 Junction Box Outputs	1-12 Junction Box Outputs
1050mA	2.1-50W	2-43V	2.9V	1-12	16.9V	1-2	NA	NA	421890-1050-30	421890-1050-40	421890-1050-50

			LEDStar Maxi Standard		LEDStar Maxi Narrow		PART NUMBER		
Driver Current	Driver Wattage	Driver Voltage	Voltage	Fittings (Min-Max)	Voltage	Fittings (Min-Max)	1-4 Junction Box Outputs	1-8 Junction Box Outputs	1-12 Junction Box Outputs
1050mA	2.1-50W	2-43V	NA	NA	16.9V	1-2	421890-1050-30	-	-



PRODUCT DIMENSIONS - IP66



PRODUCT DIMENSIONS - IP20 (421890-10)

