

421831-XXXX-X0 50W 1-10V Dimmable LED Driver

CONSTANT CURRENT LED DRIVER FOR LEDSTAR RANGE AND OTHER LED DEVICES

TECHNICAL DETAILS

Input Characteristics

- Input Voltage Range: 220 - 240 / 110 - 127 VAC
- Input Frequency Range: 50 - 60Hz
- Efficiency At Full Load: 92%
- Power Factor At Full Load: > 0.96
- THD At Full Load: < 10%
- Max Inrush Current: 10A 200µsec
- Circuit breaker loading (230Vac) : 16A Type B = 30 max , 16A Type C = 30 max

Output Characteristics

- Maximum LED output power: 50W (220-240 VAC) 40W (110-127 VAC)
- Number of LED outputs: 1
- Programmable LED output current range: 350 - 1200mA
- LED output type: Programmable in 50mA increments within specified current range
- LED output current tolerance: +/- 5% at programmed LED output current
- LED output voltage range: 10 - 53V

Protection

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

Control Characteristics

- Control channels: 1
- Control protocol: 1-10V
- Dimming range: 0/ 1% - 100%
- Potentiometer: 100K Log

Environmental Conditions

- Operating ambient temperature (Ta) range: -25°C to +50°C

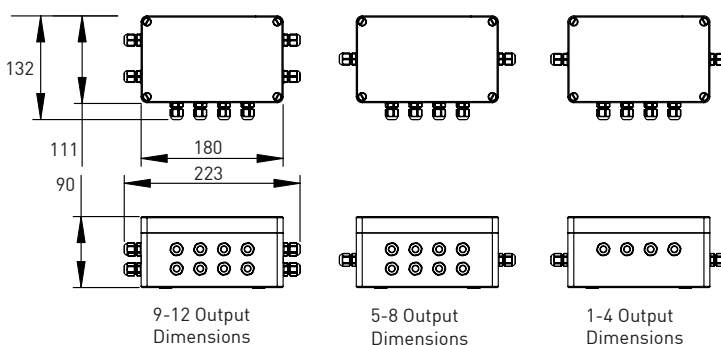


Main Drive Currents

			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	10.5-50W	10-48V	2.9V	1-12	16.9V	1-2	NA	NA	421831-1050-30	421831-1050-40	421831-1050-50
700mA	7-37W	10-53V	2.8V	1-12	16.5V	1-3	12.6V	1-4	421831-700-30	421831-700-40	421831-700-50

			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	10.5-50W	10-48V	NA	NA	16.9V	1-2	421831-1050-30	NA	NA
700mA	7-37W	10-53V	38.4V	1	16.5V	1-3	421831-700-30	NA	NA

PRODUCT DIMENSIONS - IP66



PRODUCT DIMENSIONS - IP20 (421831-10)

