

421887-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 VAC
- Input Frequency Range: 50 - 60Hz
- Max Input Current: 0.27A at 230 VA=C
- Efficiency At Full Load: 86%
- Power Factor At Full Load: > 0.95
- THD At Full Load: ≤ 13%
- Max Inrush Current: < 15A at 230 VAC (twidh=100µs measured at 50% Ipeak)
- Circuit beaker loading (230Vac) : 16A Type B = 32 max , 16A Type C = 53 max

Output Characteristics

- Maximum LED output power: 20W
- Number of LED outputs: 1
- Programmable LED output current range: 700 - 1400mA
- LED output type: Switchable in 50mA increments within specified current range
- LED output current tolerance: +/- 5% at programmed LED output current
- LED output voltage range: 2 - 40V

Protection

- Against overheating and short circuits
- Against overloads

Control Characteristics

- Control channels: 1
- Control protocol: 1-10V
- Dimming range: 0/2-100%
- Potentiometer: 100K log

Environmental Conditions

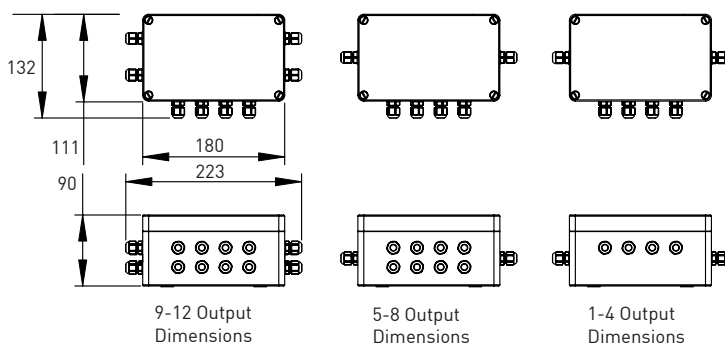
- Operating ambient temperature (Ta) range: -25 °C to +50 °C

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	9-50W	10-52V	2.9V	4-12	16.9V	1-2	NA	NA	421888-1050-30	421888-1050-40	421888-1050-50
700mA	6.3-41W	10-53V	2.8V	4-12	16.5V	1-3	12.6V	1-4	421888-700-30	421888-700-40	421888-700-50

			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	9-50W	10-52V	NA	NA	16.9V	1-2	421888-1050-30	421888-1050-40	421888-1050-50
700mA	6.3-41W	10-53V	38.4V	1	16.5V	1-3	421888-700-30	421888-700-40	421888-700-50

PRODUCT DIMENSIONS - IP66



PRODUCT DIMENSIONS - IP20 (421887-10)

