

421837-XXXX-X0 65W 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: 90%
- Power Factor At Full Load: > 0.98
- THD At Full Load: ≤ 15%
- Max Inrush Current: < 10A at 230 VAC 200µs
- Circuit breaker loading (230Vac) : 16A Type B = 30 max , 16A Type C = 30 max

Output Characteristics

- Maximum LED output power: 65W (220-240 VAC) 40W (110-127 VAC)
- Number of LED outputs: 1
- Programmable LED output current range: 350 - 1200mA
- 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 - 58V

Protection

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

Control Characteristics

- Control channels: 1
- Control protocol: 1-10V
- Dimming range: 0/0.5-100%
- Potentiometer: 100K log

Environmental Conditions

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

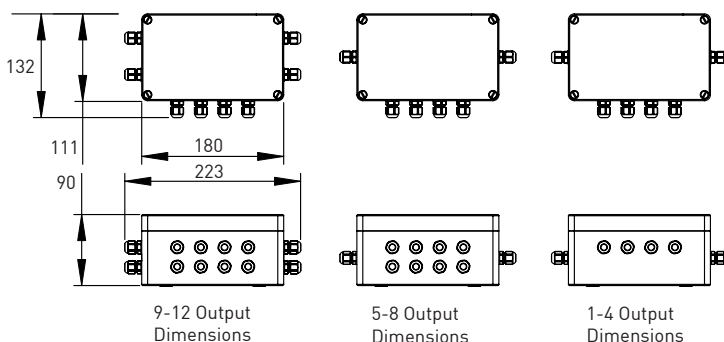


Main Drive Currents

			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	2.1-61W	2-58V	2.9V	1-12	16.9V	1-3	NA	NA	421837-1050-30	421837-1050-40	421837-1050-50
700mA	1.4-41W	2-58V	2.8V	1-12	16.5V	1-3	12.6V	1-4	421837-700-30	421837-700-40	421837-700-50

			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	2.1-61W	2-58V	NA	NA	16.9V	1-3	421837-1050-30	NA	NA
700mA	1.4-41W	2-58V	38.4V	1	16.5V	1-3	421837-700-30	NA	NA

PRODUCT DIMENSIONS - IP66



PRODUCT DIMENSIONS - IP20 (421837-10)

