



# ColorStars LED Driver - LP1020-13

AC to DC Switch Power Supply 20 Watts

## FEATURES:

- DC output with constant voltage
- Constant voltage output: 13VDC
- Wattage output capacity: 20 watts
- Universal voltage input: 90~264Vac
- Waterproof design - IP66, NEMA4 for dry and damp locations
- Convection cooled in plastic housing
- UL 1310 and UL48 Class 2, cUL, FCC B, CE
- Three-year warranty



cUL<sup>us</sup> FC CE IP66

## SPECIFICATIONS:

AC Input Range: 90~264Vac/ 0.3~0.15A/ 47~63Hz	Operation Temp.: -30°C~+60°C
Input Inrush Current: <10A/115Vac, <20A/230Vac	Temp. De-rating: 1% per °C at 60~70°C
Power Factor: >0.92 at full load, 115Vac, 230Vac	Storage Temp.: -40°C~+85°C
Current Crest Factor (I <sub>pk</sub> ): 1.5 Max.	MTBF (@25°C): > 100,000 hours, MIL-217F
Total Harmonic Distortion: 20% max.	Safety: UL1310 and UL48 Class 2, cUL
Efficiency: 85% typical	EMI EN55022 B, EN55011 B, CE, FCC B, IP66, NEMA4
Protection: OCP, SCP - auto recovery	Dimensions: 95(L), 40(W), 25(H) mm
Plastic Housing Material: PC, 105°C	Weight: 120 grams typical

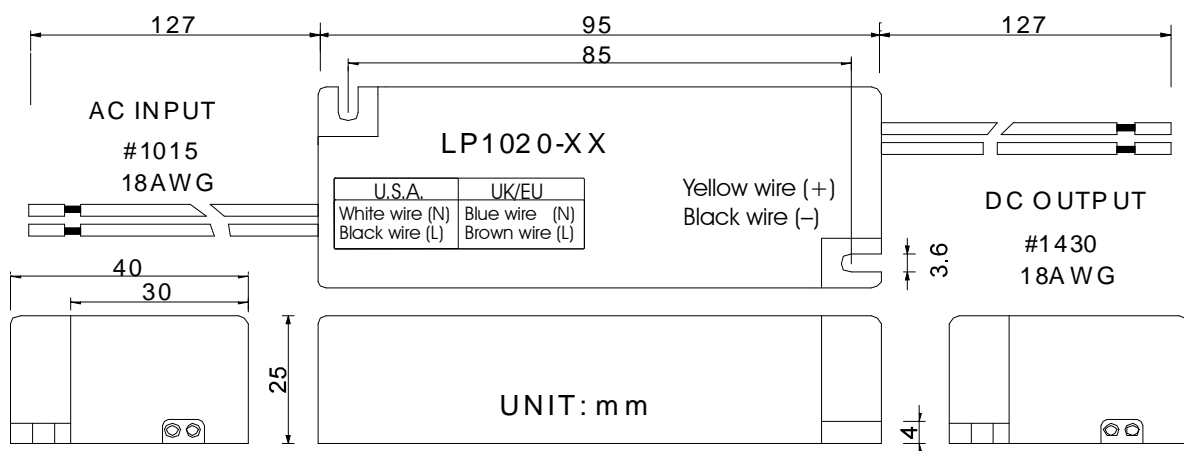
## MODEL LISTING:

Model	DC Output Constant Voltage	Output Current Max.	Watts Max.
LP1020-13	13V ± 5%	1540mA	20W

Maximum Number of LED Lamps Powered

TriStar Single Color	TriStar RGB Lamps			EZStar RGB			GemStar		
	MR16	SMART	Master/Slave	10cm	20cm	30cm	10cm	12cm	24cm
MR16	4	4	4	4	-	-	5	5	-

## MECHANICAL DRAWING:



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