

## 12W IP66 Power Supplies



- ◆ Small Size
- ◆ 115VAC or 230VAC input
- ◆ Constant Current or Constant Voltage Versions
- ◆ Splash proof
- ◆ Conservative component ratings for long life

**RoHS**

### Key Market Segments & Applications

LED Lighting  
Damp Environments

Specifications		
ITEMS	MODEL	
		LDC12
		LDV12
AC Input	VAC/Hz	90 - 264VAC, 47 - 63Hz
Inrush Current (100/200VAC)	A	25 / 50A, 25°C ambient, cold start
Input Current (110/200VAC)	A	0.28 / 0.18A
Temperature Coefficient	-	<0.02%/°C (0 - 50°C)
Overcurrent Protection	-	Automatic Recovery
Overvoltage Protection	%	> 110%
Turn on time	ms	< 200ms
Hold Up Time (115/230V input)	ms	5ms typical
Leakage Current (265VAC 60Hz)	mA	0.25mA
Efficiency	%	82% typical at full load
Operating Temperature	-	-10 to +60°C (Guaranteed start up at -20°C)
Storage Temperature	-	-30 to +85°C
Operating Humidity (1)	-	15 - 90% RH
Storage Humidity (1)	-	15 - 90% RH
Cooling	-	Convection
Withstand Voltage	-	Input to Output 3kVAC
Isolation Resistance	-	>100M at 25°C & 70%RH, Input to Output at 500VDC
Vibration (non operating)	-	10 - 55Hz: 19.6m/s <sup>2</sup> constant sweep 1 min X, Y, Z for 30 mins
Shock	-	< 196.1 m/s <sup>2</sup> (20G)
Immunity	-	IEC61000-4-2, -3, -4, -5, -6, -8, -11
Safety Agency Approvals	-	UL1310 (Class 2), IEC61347-1, IEC61347-2-13, CE Mark
Conducted & Radiated EMI	-	EN55015, EN55022, FCC Class B
IP Class	-	IP66
Weight (Typ)	g	84
Size (LxWxH)	in(mm)	3.45 x 1.36 x 0.83" (90 x 34.5 x 21mm)
Warranty	yrs	Three Years

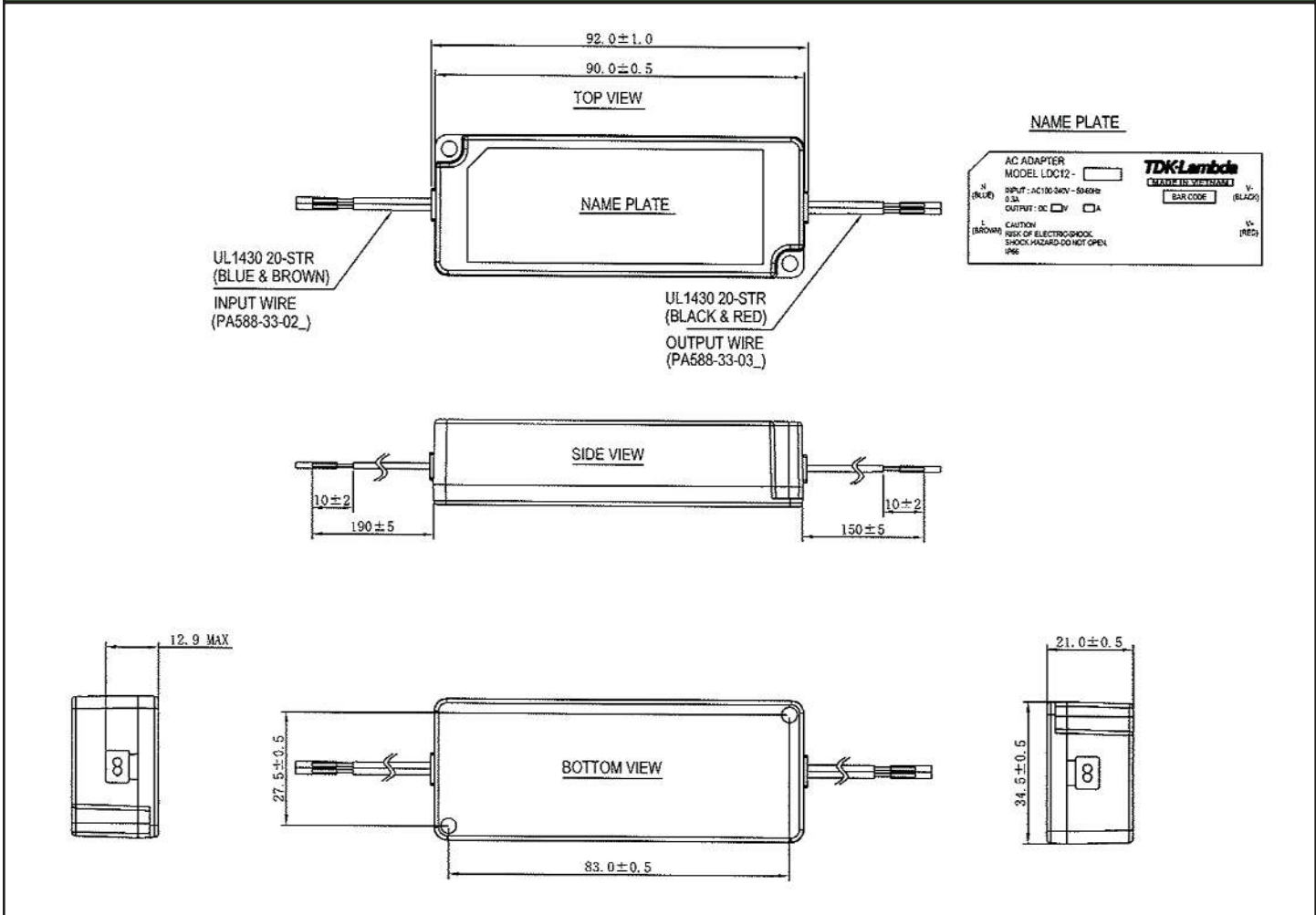
(1) Non condensing

# LD12 Series

## Model Selector

Model	CV/CC	Output Voltage (V)	Output Accuracy	Min. Output Current (A)	Output Current (A)	Maximum Average Power	Ripple & Noise
LDC12-36-R35	CC	3 - 36V	0.33 - 0.37A	-	0.35A	12.6W	-
LDC12-18-R70	CC	3 - 18V	0.66 - 0.735A	-	0.7A	12.6W	-
LDV12-12-1R0	CV	12	11.4 - 12.6V	0.1A	1A	12W	100mV
LDV12-15-R80	CV	15	14.25 - 15.75V	0.08A	0.8A	12W	100mV
LDV12-24-R50	CV	24	22.8 - 25.2V	0.05A	0.5A	12W	150mV

## Outline Drawing



For Additional Information, please visit [us.tdk-lambda.com/products/ld12-series.htm](http://us.tdk-lambda.com/products/ld12-series.htm)