

LP1090 Series

■ AC to DC Switch Power Supply 76~96 Watts



Applications

LED Street Lighting
LED Architectural Lighting
LED Commercial Industrial Lighting
LED Lighting

cUL[®]us FC CE CB IP66 RoHS REACH

Features

Available in Constant Current or Constant Voltage
Protection : OCP, SCP, OVP - Auto Recovery
Suitable for Dry (-TT), Damp, Wet Locations (-GG), IP66
Convection Cooled, aluminum housing with various types of end plates
Three Years Warranty (Life @ Tc : 80°C 20,000 Hours) / Five Years Warranty (Life @ Tc : 70°C 40,000 Hours)

Certifications

UL879, UL1310, UL8750 Class 2, cUL, FCC B, CB,
CE (EN55015, EN61547, EN61347-2-13, N61000-3-2 class C)

Specifications

AC Input Range : 100~277Vac / 1.5~0.47A / 47~63Hz	PF > 0.9, THD < 20% : Input 100~ 230Vac, Load > 80%
Input Inrush Current : < 20A / 115Vac, < 40A / 230Vac	PF > 0.9, THD < 20% : Input 277Vac at full load
Leakage Current : < 0.4mA/115Vac, < 0.75mA / 230Vac	Efficiency : 19V/24V/85% , 36V/86% , 48V/87% at 115Vac full load
Surge Immunity (IEC61000-4-5) : 3KV	Load Regulation : ±5% (36V/48V CC: ±7%)
Turn on delay time : < 3 Sec. at 110Vac	Output Voltage Ripple/Noise : ±10%
Operation Temp. : -40°C ~ +50°C, Tc : 80°C; Storage Temp. : -40°C ~ +85°C	MTBF(@50°C) : > 50,000 Hours, MIL-217F

Model List

Model	Constant Voltage Mode (CV)		Constant Current Mode (CC)		Max. Watts (UL Safety)
	Fixed Output Voltage Range	Output Current Range	Fixed Output Current Range	Output Voltage Range	
LP1090-19-YZ-E	12 ~ 19V	2000 ~ 5000mA	3000 ~ 5000mA	10 ~ 19V	95W (cUL- class 2)
LP1090-24-YZ-E	18 ~ 24V	1500 ~ 4000mA	2500 ~ 4000mA	12 ~ 24V	96W (cUL- class 2)
LP1090-36-YZ-E	24 ~ 36V	1300 ~ 2660mA	1500 ~ 2660mA	18 ~ 36V	96W (cUL- class 2)
LP1090-48-YZ-E	36 ~ 52V	1000 ~ 2000mA	1000 ~ 2000mA	24 ~ 52V	96W (cUL)

Note 1: We can provide any fixed output current or voltage between 1000 ~ 5000mA or 12 ~ 52V to meet customers' requirements.

Model Information

LP1090 - XX - YZ - E

1090 = Single DC Output, 96 Watts Max. XX = Voltage Output, 19 = 19V, 24 = 24V, 36 = 36V, 48 = 48V

Y = AC Input End Plates & Connectors (See Mechanical Drawing)

Z = DC Output End Plates & Connectors (See Mechanical Drawing)

E = Aluminum Housing Length, 170mm, 240mm, 290mm (Model : -290, -298, -299)

Mechanical Drawing

Y = AC Input End Plates & Connectors

Y = G, T

G = GLAND (1/4" or 1/2")

T = TERMINAL (TL-03)

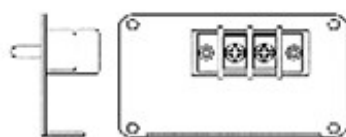


Z = DC Output End Plates & Connectors

Z = G, T

G = GLAND (1/4" or 1/2")

T = TERMINAL (TL-02)

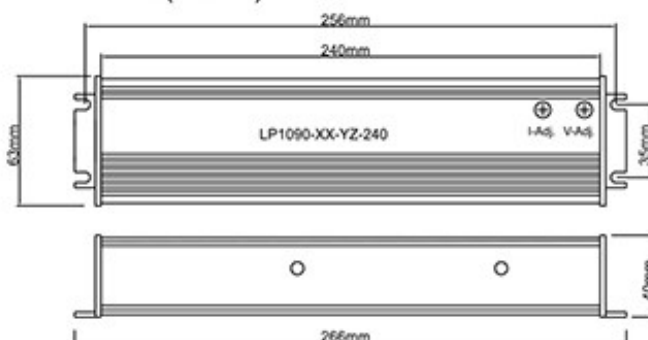
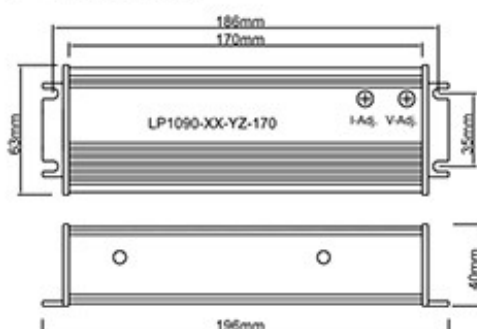


Housing Length	Case Dimension(mm)			Weight(g)
	L	W	H	
E=170mm	196	63	40	600
E=240mm	266	63	40	730
E=290mm	316	63	40	750

E = Aluminum Housing Length

E = 170 (170mm)

E = 240 (240mm)



E = 290 (290mm)

