

## 3-10Watt,Single Output PFC LED Drivers



### FEATURES:

- **Universal Input 90~264VAC**
- **High Efficiency to 82% Typical**
- **Power Factor Correction**
- **Protection:**
  - Short Circuit /Over current/Over voltage
- **Application:**
  - Suitable for LED lighting and moving sign applications

LG A 10 - 180 - 350  
A B C D E

A:Series  
B:Package  
C:Output Watt  
D:Output Voltage  
E:Output Current



Specifications typical at TA=25°C, nominal input voltage and rated output current unless otherwise specified

Part Number	Constant Current Region	Max Output Current	Output power	Efficiency
	(V)	(mA)	(W) Max	
LGA10-120-300	6.0-12.0	300	3.6	80
LGA10-180-300	9.0-18.0	300	5.4	81
LGA10-260-300	18.0-26.0	300	7.8	82
LGA10-360-300	24.0-36.0	300	10.8	82
LGA10-120-350	6.0-12.0	350	4.2	80
LGA10-180-350	9.0-18.0	350	6.3	81
LGA10-260-350	18.0-26.0	350	9.1	82
LGA10-095-500	5.0-9.5	500	4.8	80
LGA10-120-500	6.0-12.0	500	6.0	81
LGA10-180-500	9.0-18.0	500	9.0	82
LGA10-045-700	3.0-4.5	700	3.2	80
LGA10-090-700	4.5-9.0	700	6.3	81
LGA10-180-700	12.0-18.0	700	12.6	82

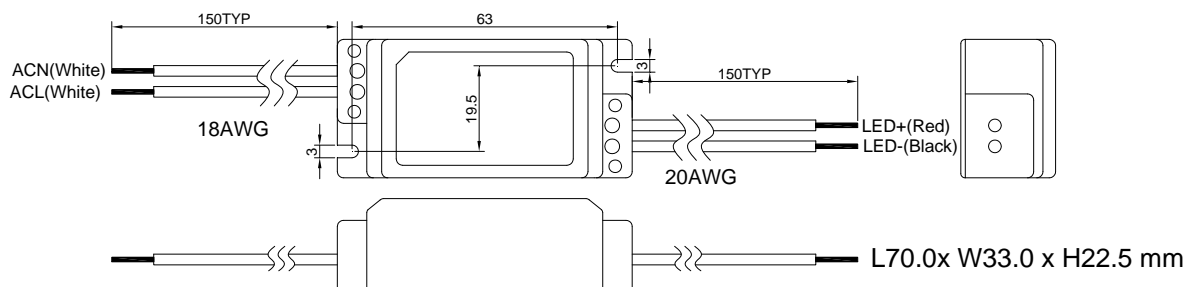
### Input Specifications

Parameters	Conditions	Min	Typ	Max	Units
Rated Input Voltage	Vo,lo nom		100~240		Vac
Voltage Range	Vo,lo nom	90		264	Vac
Line frequency	Vi nom,lonom	47	50/60	63	Hz
Inrush Current	Io nom			10	A
		Vi:115VAC		20	A
Power Factor	PF>0.80 / 115Vac,230Vac at full load				

### Output Specifications

Parameters	Conditions	Min	Typ	Max	Units
Isolation Voltage	Input / Output	3KVac/ 5mA/5Secs			
Current Accuracy	Vi=100-240Vac		±3	±5	%
Operating Temperature	Operating at Vi nom,lo nom	-20		+50	°C
Protection	Over Current	>108% rated output power(Constant current limiting)			
		Protection type: Recovers automatically after fault condition is removed			
	Over Voltage	120%-150% rated output Voltage			
		Protection type: Recovers automatically after fault condition is removed			
Short circuit	Recovers automatically after fault condition is removed				

### Markings and dimensions



UNIT:mm Unless otherwise specified,all tolerances are ±0.50