

# Yuan Dean Scientific CO.,LTD LGA30(A) SERIES

## Non-Dimmable 10-30Watt, Single Output PFC LED Drivers



### FEATURES:

- Universal Input 90~264VAC
- High Efficiency to 88% Typical
- Protection: Short Circuit /Over current/Over voltage
- Power Factor Correction
- IP64/IP67 design for indoor and outdoor installations
- Application: Suitable for LED lighting and moving sign applications

LG A 30 (A) - 360 - 500  
A B C D E F

A: Series  
B: Package  
C: Output Watt  
D: IP67 Rated  
E: Output Voltage  
F: Output Current



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

Part Number	Constant Current Region	Output Current	Output power	Efficiency
	(V)	(mA)	(W) Max	%(TYP)
LGA30(A)-360-300	24.0-36.0	300	10.8	88
LGA30(A)-360-350	24.0-36.0	350	12.6	88
LGA30(A)-360-400	24.0-36.0	400	14.4	87
LGA30(A)-360-500	24.0-36.0	500	18.0	86
LGA30(A)-360-700	24.0-36.0	700	25.2	85
LGA30(A)-480-300	36.0-48.0	300	14.4	88
LGA30(A)-480-350	36.0-48.0	350	16.8	88
LGA30(A)-480-400	36.0-48.0	400	19.2	87
LGA30(A)-480-500	36.0-48.0	500	24.0	86
LGA30(A)-480-700	36.0-48.0	700	33.6	85

NOTE:(A) is IP67 Rated, For example:LGA30A-360-300 IP67 Rated, LGA30-360-300 IP64 Rated.

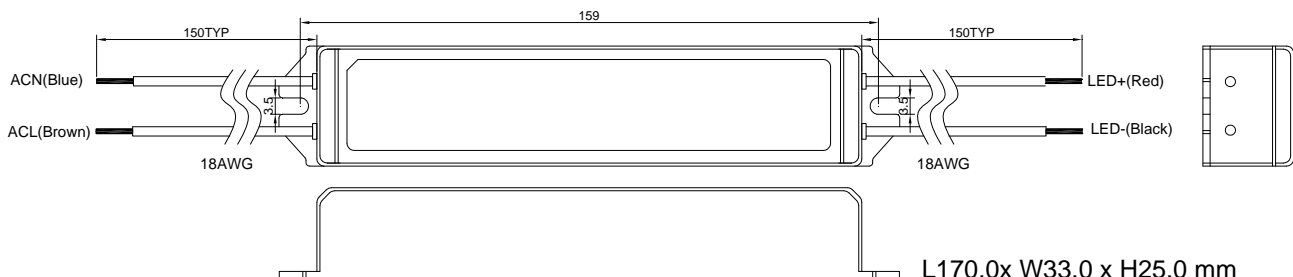
### Input Specifications

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	lo nom			20	A
		Vi:115VAC		40	A
Power Factor	PF> 0.90 / 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	-40		+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