

Yuan Dean Scientific CO.,LTD LU(E)A20D SERIES

Dimmable 10-20Watt, Single Output PFC LED Drivers



FEATURES:

- Universal AC Input
- High Efficiency at 84% Typical
- Protection: Short Circuit /Over current/Over voltage
- Power Factor Correction
- IP64 design for indoor installations
- Application: Suitable for LED lighting and moving sign applications

L U (E) A 20 D - 360 - 500
A B C D E F G H

A: Series
B: Input 110Vac
C: Input 230Vac
D: Package
E: Output Watt
F: Dimmable
G: Output Voltage
H: Output Current



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

Part Number	Output power	Constant Current Region	Dimmable Current	Constant Current	Efficiency % (TYP)	
	(W) Max	(V)	(mA)	(mA)	LUA20D	LEA20D
LU(E)A20D-360-300	10.8	24.0-36.0	0-300	300±5%	80	84
LU(E)A20D-360-350	12.6	24.0-36.0	0-350	350±5%	80	84
LU(E)A20D-360-400	14.4	24.0-36.0	0-400	400±5%	80	84
LU(E)A20D-360-500	18.0	24.0-36.0	0-500	500±5%	78	82
LU(E)A20D-480-300	14.4	36.0-48.0	0-300	300±5%	80	84
LU(E)A20D-480-350	16.8	36.0-48.0	0-350	350±5%	80	84
LU(E)A20D-480-400	19.2	36.0-48.0	0-400	400±5%	80	84

NOTE: U: Input 110Vac, E: Input 230Vac. For example: LUA20D-360-300, LEA20D-360-300
Resonant control to achieve high efficiency, 84% without dimmer

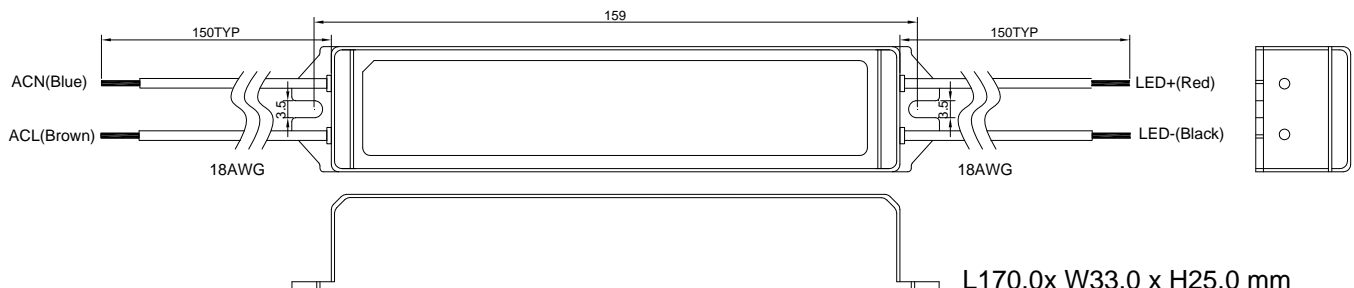
Input Specifications

Parameters	Conditions	Min	Typ	Max	Units
Input voltage(LUA20D)	Io nom	90	110	130	Vac
Input voltage(LEA20D)	Io nom	200	230	264	Vac
Frequency		47	50/60	63	Hz
Inrush Current	At 110Vac			20	A
	At 230Vac			40	A
Power Factor		PF> 0.90 / 110Vac,230Vac at full load(Without Dimmer)			

Output Specifications

Parameters	Conditions	Min	Typ	Max	Units
Isolation Voltage	Input / Output	3KVac/ 5mA/5Secs			
Operating Temperature	Operating at Vi nom, Io 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