

**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

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

Part Number	Output Power (W) Max	Constant Current Region (V)	Dimmable Current (mA)	Constant Current (mA)	Efficiency % (TYP)	
					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				

YUAN DEAN SCIENTIFIC



LED Driver

LU(E)A20D SERIES

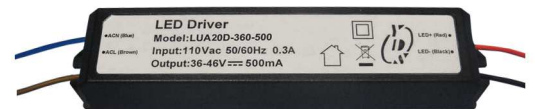
10~20Watt

3KVac Isolated

Single Output

PFC

Dimmable



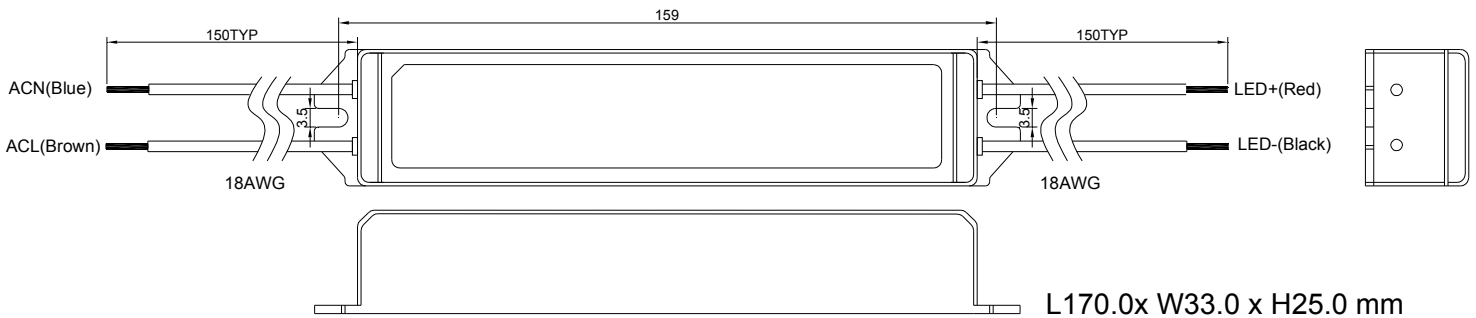
**Part Number**

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

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



Markings and dimensions



L170.0x W33.0 x H25.0 mm

UNIT:mm Unless otherwise specified,all tolerances are  $\pm 0.50$