

## Dimmable 20Watt,Single Output PFC LED Drivers



### FEATURES:

- Universal AC Input
- High Efficiency Up To 84%
- Protection:Short Circuit /Over current/Over voltage
- Meet EMI EN55022 & EMS EN55024 standard
- Power Factor Correction
- 2 Years Warranty ● ROHS Compliant

L B U (E) 20 D - 360 - 300  
A B C D E F G H

A:Series  
B:Package  
C:Input 110Vac  
D:Input 230Vac  
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)	LBU20D	LBE20D
LBU(E)20D-360-300	10.8	24.0-36.0	0-300	300±5%	80	82
LBU(E)20D-360-350	12.6	24.0-36.0	0-350	350±5%	80	84
LBU(E)20D-360-500	18.0	24.0-36.0	0-500	500±5%	78	84
LBU(E)20D-480-300	14.4	36.0-48.0	0-300	300±5%	80	84
LBU(E)20D-480-350	16.8	36.0-48.0	0-350	350±5%	80	84

NOTE: U:Input 110Vac. E:Input 230Vac. For example: LBU20D-360-300, LBE20D-360-300

Resonant control to achieve high efficiency, 84% without dimmer

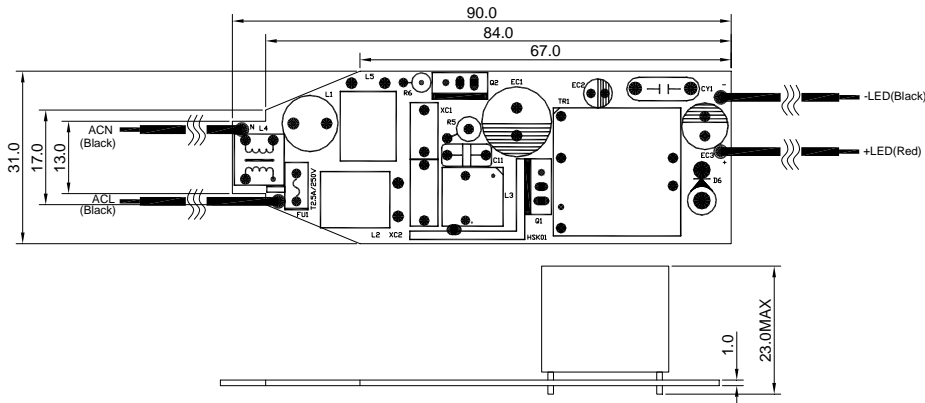
### Input Specifications

Parameters	Conditions	Min	Typ	Max	Units
Input voltage(LUA30D)	Io nom	90	110	130	Vac
Input voltage(LEA30D)	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 ±0.5