ImPow

LED **20W** DE Series – Fixed Output and Dimmable Switch Mode LED Drivers Constant Current & Constant Voltage with Isolation Black Plastic Housing

Electrical Specifications

Input Voltage Range:	110-277Vac Nom. (100-305 V Min/Max)		
Frequency:	50/60 Hz Nom. (47-63 Hz Min/Max)		
Power Factor:	≥0.9@ full load, 100 V through 277 V		
Inrush Current:	<15A max @ 230 Vac,Cold Start25°C		
Input Current:	0.25A @ 100 Vac		
Maximum Power:	20 W		
Line Regulation:	±2%		
Load Regulation:	± 3%		
THD:	≤20% @ 70-100% load, 100-277V		
Leakage Current:	300µА ТурісаІ		
Turn-on Time Delay:	3.0 S Max		
Protection:	Output Over-Voltage reset by power cycling		
	Output Over-Current and Output Short		
	Circuit Protection with auto recovery		

Electrical Specifications

Operating Temperature:	-40°C to +60°C			
Maximum Case Temp:	80°C			
Storage Temperature:	-45°C to +85°C			
Humidity:	5% - 95%			
Cooling:	Convection			
Vibration Frequency:	10 to 300 Hz/1G, 60 minutes			
MTBF:	494,000 Hours at full load and $30^\circ\!C$			
	ambient conditions per MIL-HDBK-217F			
EMC:	FCC 47CFR Part 15 Class B compliant			

0-10V&PWM dimmable version comes with an extra two wires +Purple/-Grey on the output side. See page 3 for additional

Customized timeshare dimming. See page 3 for additional

DALI dimming. See page3 for additional specifications.

-YY indicates dimming options are available. See options at left. Blank = fixed current output.

Total Power: 20 Watts Input Voltage: 110-277Vac

Indoor Application High Power Factor

EN61347, CSA 22.2

Constant Current – Product Specifications

Model Number

DE020-057S035-YY

DE020-050S040-YY

DE020-040S050-YY

DE020-036S055-YY

DE020-029S070-YY

DE020-024S083-YY

DF020-0185105-YY

DE020-017S125-YY

DE020-015S140-YY

DE020-012S175-YY

DE020-010S210-YY

Output Current

(mA±3%)

350

400

500

550

700

830

1050

1250

1400

1750

2100

Output Voltage

Range (Vdc)

34~57

30~50

24~40

22~36

17~29

14~24

11~18

10~17

9~15

7~12

6~10

Max. Output

Power (W)

20

20

20

19.8

20.3

19.9

18 9

21.3

21

21

21

Typical

Efficiency

84%

82%

82%

81%

81%

81%

80%

80%

80%

79%

78%

Outputs: Single from 7-57Vdc

EN61000-3-2, EN61000-3-3 Class C

Output Voltage	Output Current		
		Max. Output	Typical
(Vdc±5%)	Range (mA)	Power (W)	Efficiency
57	18~350	20	84%
50	20~400	20	82%
40	25~500	20	82%
36	28~550	19.8	81%
29	35~700	20.3	81%
24	42~830	19.9	81%
18	53~1050	18.9	80%
17	63~1250	21.3	80%
15	70~1400	21	80%
12	88~1750	21	79%
10	105~2100	21	78%
	50 40 36 29 24 18 17 15 12	1 1 <th1< th=""> <th1< th=""> <th1< th=""> <th1< th=""></th1<></th1<></th1<></th1<>	57 18~350 20 57 18~350 20 50 20~400 20 40 25~500 20 36 28~550 19.8 29 35~700 20.3 24 42~830 19.9 18 53~1050 18.9 17 63~1250 21.3 15 70~1400 21 12 88~1750 21

2015-08-22

IP65

Ordering Options:

specifications.

specifications.

-TC:

-TA:

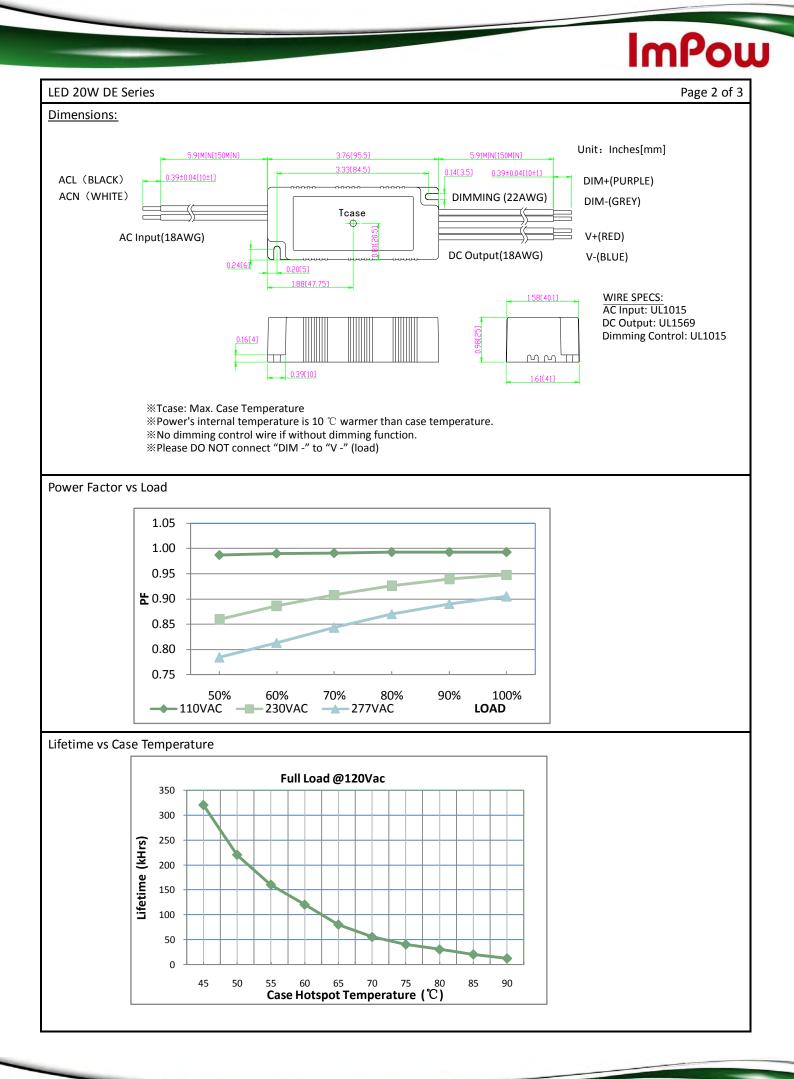
-TE:

Note:

1. All parameters NOT specially mentioned are measured at 230Vac input, rated load and 25 $^\circ\!{\rm C}$ of ambient temperature.

2. Specifications subject to change without notice.

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