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With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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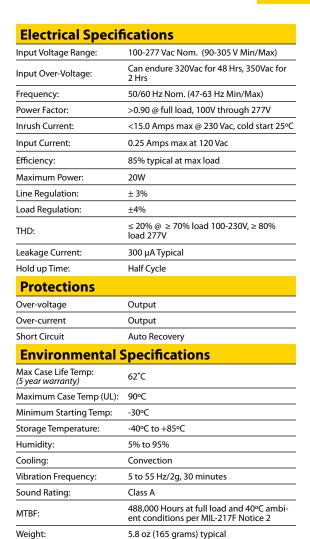






# **LED-20W Series**Switch Mode LED Drivers





• Total Power: 20 Watts

Input Voltage: 100-277 Vac Nom.UL Dry & Damp Location Rated

- High Power Factor
- IP66 and NEMA4
- Constant Current & Constant Voltage with Isolation
- Black Magic Thermal Advantage™ Plastic Housing
- UL Sign Components Manual (S.A.M. Models)

### **Dimming Option:**

0-10V & Resistance dimmable models include an extra two wires +Purple/-Gray on the output side. "-D" Compatible with most quality 0-10V wall dimmers. See page 3 for additional specifications.

#### Note:

LED drivers are designed and intended to operate LED loads only. Non-LED loading may be outside the specified design limits of our LED drivers, and therefore cannot be covered by any warranty. If you desire to use our LED drivers to operate non-LED loads please contact us to discuss compatibility.

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#### **Constant Current Models**

Model	Output Current (mA ±4%)	Output Voltage Range (Vdc)	Max. Output Power (W)	Typical Efficiency
LED20W-57-C0350-XX	350	19-57	20	84%
LED20W-48-C0350-XX	350	16-48	16.8	83%
LED20W-43-C0460-XX	460	15-43	20	83%
LED20W-40-C0500-XX	500	14-40	20	82%
LED20W-36-C0550-XX	550	12-36	20	82%
LED20W-28-C0700-XX	700	10-28	20	81%
LED20W-24-C0700-XX	700	8-24	16.8	81%
LED20W-24-C0830-XX	830	8-24	20	81%
LED20W-22-C0910-XX	910	7-22	20	81%
LED20W-18-C1100-XX	1100	6-18	20	80%
LED20W-15-C1330-XX	1330	5-15	20	80%
LED20W-13-C1540-XX	1540	4-13	20	79%
LED20W-12-C1660-XX	1660	4-12	20	78%

<sup>-</sup>XX indicates dimming options are available. See options at left. Blank = fixed current output

#### **Constant Voltage Models**

Model	Output Voltage (Vdc ±5%)	Output Current Range (mA)	Max. Output Power (W)	Typical Efficiency
LED20W-12 •	12	415-1660	20	82%
LED20W-13	13	385-1540	20	82%
LED20W-15	15	333-1330	20	83%
LED20W-18	18	275-1100	20	83%
LED20W-22	22	228-910	20	84%
LED20W-24 •	24	208-830	20	84%
LED20W-28	28	175-700	20	84%
LED20W-36	36	138-550	20	85%
LED20W-40	40	125-500	20	85%
LED20W-43	43	115-460	20	85%
LED20W-48	48	88-350	16.8	85%
LED20W-57	57	88-350	20	85%

Indicates S.A.M.

Class 2: US/Canada

Standard
UL8750
22.2
EN61347
Notes
Class C
Class B

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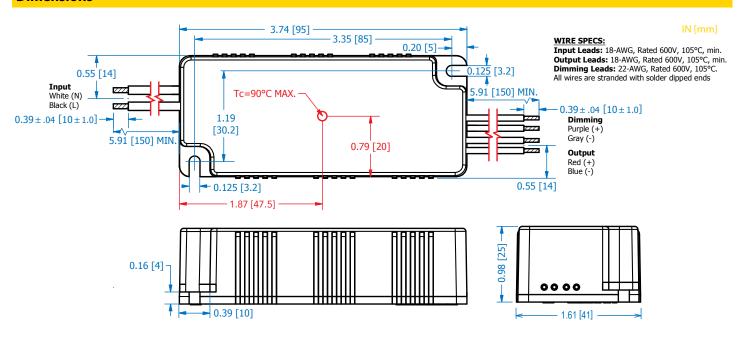




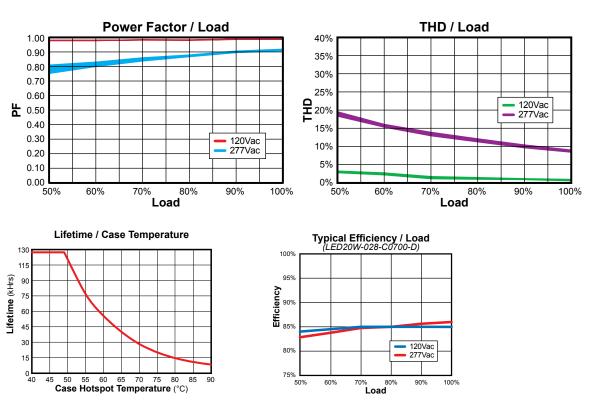
# **LED-20W Series**Switch Mode LED Drivers



#### **Dimensions**



#### **Power Characteristics**



### **UL Conditions of Acceptability**

See website for additional information

**Note:** The area under the life-temperature curve represents where the driver has highly reliable operation within specification. Driver performance may drift out of published specifications as the hours of operation exceed the curve at a given temperature. Higher operating temperatures increase the chances of a failure to function. Other electrical, mechanical and environmental factors affect driver lifetime but are not represented in this calculation.



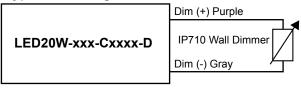
# **LED-20W Series**Switch Mode LED Drivers



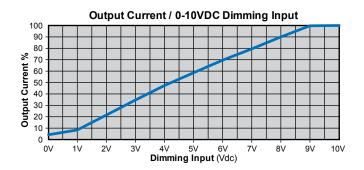
## "-D" Option: 0-10VDC and Resistance Dimming

Parameters	Minimum	Typical	Maximum
Source Current out of 0-10V Purple Wire	0mA	_	2mA
Absolute Voltage Range on 0-10V (+) Purple Wire	-2.0 V	_	+15 V
Sink Current into 0-10V Purple Wire	0mA	_	1.2mA

### **Typical Dimming Circuit**



(Dimmer must be current-sink type control)



#### Notes:

- 1. 0-10V dimmable version comes with an extra two wires +Purple/-Gray on the output side.
- 2. Compatible with most 0-10V Wall Slide dimmers and direct 0-10V analog signal. Recommended dimmer is Leviton IP710 or equivalent
- 3. 0-10V dimmable version output will be ≤ 10% @ 0-1.0V
- 4. 0-10V dimmable version output will be 100% with Purple/Gray open and minimum with Purple/Gray Shorted.