



BLED-40W Series

Budget Series Switch Mode LED Drivers

Constant Current with Isolation

Black Magic Thermal Advantage™ Plastic Housing

Electrical Specifications

Input Voltage Range:	100-277 Vac Nom. (90-305 V Min/Max)
Frequency:	50/60 Hz Nom. (47-63 Hz Min/Max)
Power Factor:	>0.90 @ full load, 120V; >0.80 @ full load, 277V
Inrush Current:	<25 A max @ 230 Vac, cold start 25°C
Input Current:	0.41 A max @ 120 Vac; 0.20 A max @ 230 Vac
Maximum Power:	40W
Line Regulation:	± 4%
Load Regulation:	± 5%
THD:	≤ 20% @ full load
Leakage Current:	300 µA Typical
Hold Up Time:	Half Cycle
Start-up Time:	< 1.0 S
Output Protection:	Over-Voltage, Over-Current, Short Circuit (auto-recovery)

Environmental Specifications

Minimum Starting Temp:	-30°C
Storage Temperature:	-40°C to +85°C
Maximum Case Temp.	90°C
Humidity:	5% to 95%
Cooling:	Convection
Sound Rating:	Class A
Vibration Frequency:	5 to 55 Hz/2g, 30 minutes
MTBF:	580,000 Hours @ full load, 40°C per MIL-217F Notice 2
Impact Resistance:	1g/s
Weight:	7.0 oz (198 g)



- Smaller footprint than our standard drivers
- Total Power: 40 Watts
- Input Voltage: 100-277 Vac
- Indoor Applications, IP64
- UL Dry or Damp Location Rated
- 2 year Warranty

Constant Current - Product Specifications

Model Number	Output Current (mA ±5%)	Output Voltage Range (Vdc)	Max. Output Power (W)	Typical Efficiency
BLED40W-200-C0200	200	120-200	40	90
BLED40W-114-C0350	350	68-114	40	90
BLED40W-100-C0400	400	60-100	40	89
BLED40W-072-C0550	550	43-72	40	88
BLED40W-054-C0700	700	32-54	37.8	87
BLED40W-048-C0830	830	29-48	40	86
BLED40W-043-C0930	930	26-43	40	85
BLED40W-036-C1100	1100	21-36	40	85
BLED40W-028-C1400	1400	17-28	40	84
BLED40W-024-C1670	1670	14-24	40	83
BLED40W-012-C3340	3340	7-12	40	82

Class 2: US/Canada



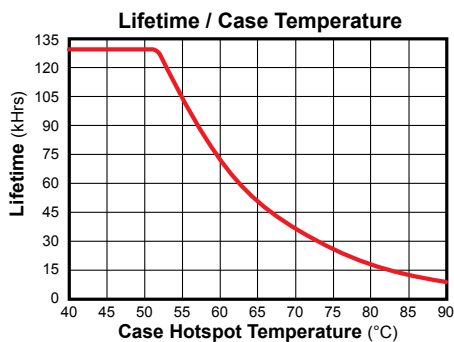
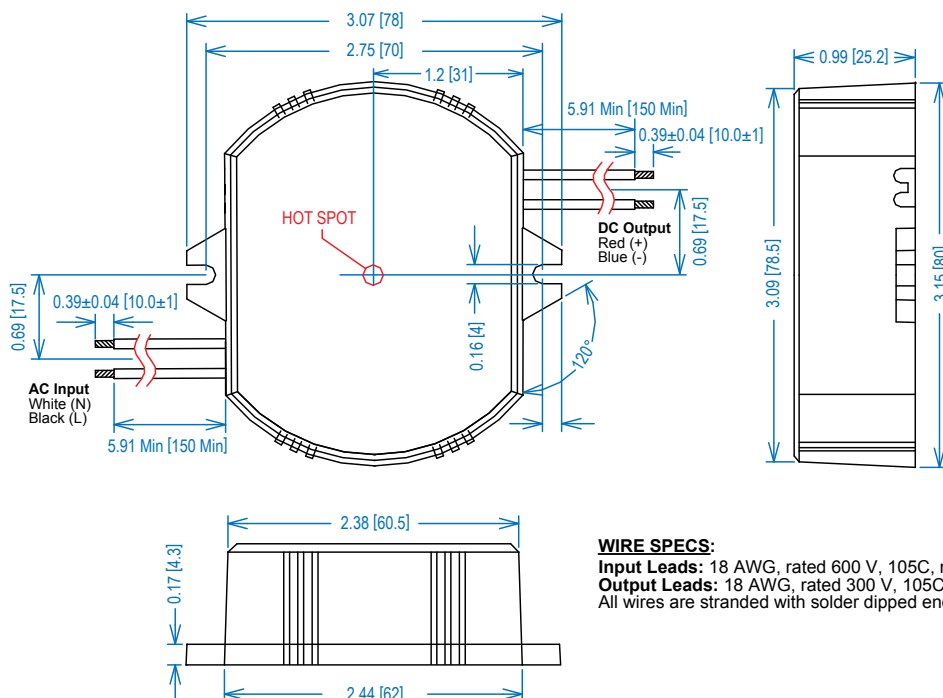
Note:

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.

Specifications subject to change without notice.

Rev 2-17-16

Dimensions - Inches (mm)



Safety and EMC Compliance	
UL/CUL	UL8750, CSA-C22.2
C E	EN61347
FCC, 47CFR Part 15	Class B
EN61000-3-2	
EN61000-3-3	Class C

UL Conditions of Acceptability

See website for additional information

Note:

Life calculations are based on reliability with confidence using a 90% confidence level and <5% failure rate. At a confidence level of 90% it is expected that <5% of the parts will fail at the rated life provided. (Failure is defined as a driver drifting outside specification, rather than fail to operate)

Note:

Disconnect power to LED driver for at least 30 seconds before connecting or disconnecting Driver output and LED Engine. This prevents potential arcing transients that can damage the Engine and Driver. See Hot Plugging in our Driver Application Guide for more information.