



## BLED-35W 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:	0.35 A max @ 120 Vac; 0.18 A max @ 230 Vac
Maximum Power:	35W
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:	5.8 oz (165 g)



- Smaller footprint than our standard drivers
- Total Power: 35 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
BLED35W-200-C0170	170	120-200	34	89
BLED35W-100-C0360	360	60-100	36	89
BLED35W-070-C0500	500	42-70	35	89
BLED35W-063-C0550	550	38-63	35	88
BLED35W-054-C0640	640	32-54	35	88
BLED35W-048-C0700	700	29-48	34	87
BLED35W-043-C0810	810	26-43	35	87
BLED35W-036-C1000	1000	21-36	36	86
BLED35W-030-C1200	1200	18-30	36	86
BLED35W-024-C1500	1500	14-24	36	85
BLED35W-022-C1600	1600	13-22	35	84
BLED35W-018-C2000	2000	10-18	36	84
BLED35W-012-C3000	3000	7-12	36	83

Class 2: US/Canada US Only

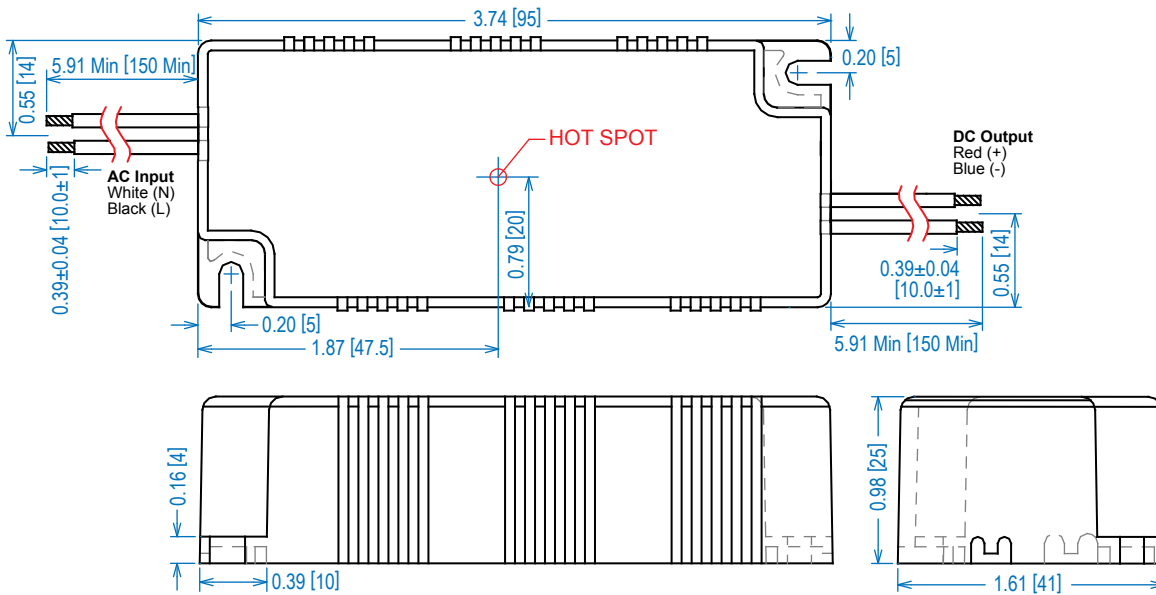


**Note:**  
LED drivers are designed and intended to operate LED loads only. Non-LED loading may be outside the specified design limits of our LED drivers, and therefore cannot be covered by any warranty. If you desire to use our LED drivers to operate non-LED loads please contact us to discuss compatibility.

Specifications subject to change without notice.

Rev 8-12-15

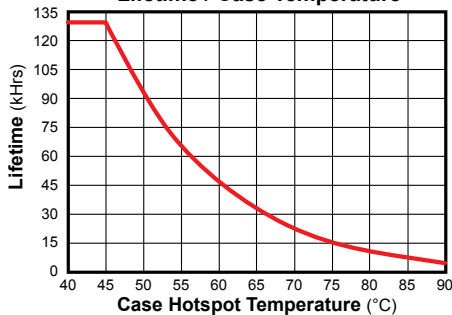
**Dimensions - mm**



**WIRE SPECS:**

**Input Leads:** 18 AWG, rated 600 V, 105C, min.  
**Output Leads:** 18 AWG, rated 300 V, 105C, min.  
 All wires are stranded with solder dipped ends.

**Lifetime / Case Temperature**



**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.