Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

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!

Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

BLED-25W 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 25ºC**
Input Current:	**0.27 A max @ 120 Vac; 0.14 A max @ 230 Vac**
Maximum Power:	**25W**
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:	**-30ºC**
Storage Temperature:	**-40ºC to +85ºC**
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, 40ºC per MIL-217F Notice 2**
Impact Resistance:	**1g/s**
Weight:	**4.5 oz (128 g)**

- Smaller footprint than our standard drivers
- Total Power: 25 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
BLED25W-200-C0120	120	120-200	25	89
BLED25W-150-C0160	160	90-150	25	89
BLED25W-100-C0250	250	60-100	25	89
BLED25W-072-C0350	350	43-72	25	88
BLED25W-062-C0400	400	37-62	25	88
BLED25W-056-C0450	450	34-56	25	88
BLED25W-048-C0520	520	29-48	25	87
BLED25W-043-C0580	580	26-43	25	87
BLED25W-036-C0700	700	21-36	25	86
BLED25W-028-C0850	850	17-28	25	86
BLED25W-024-C1040	1040	14-24	25	85
BLED25W-020-C1250	1250	13-20	25	84
BLED25W-012-C2100	2100	7-12	25	83

Class 2: US/Canada

E332160

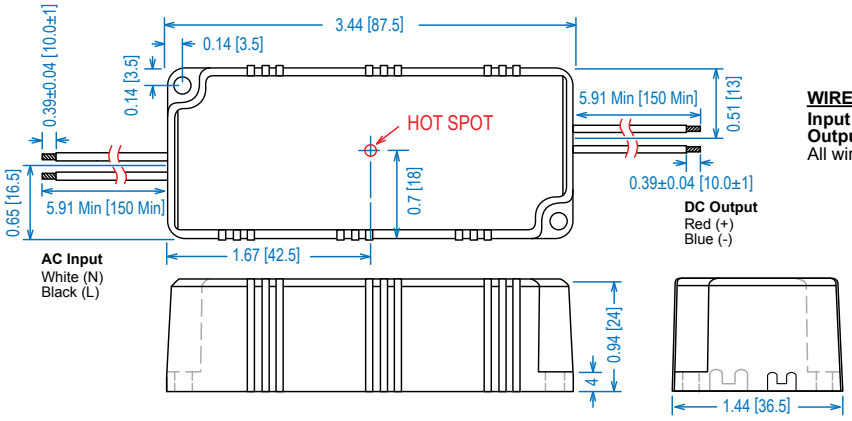
IP64

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.

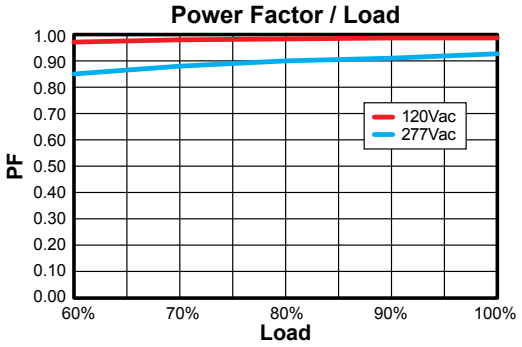
Specifications subject to change without notice.

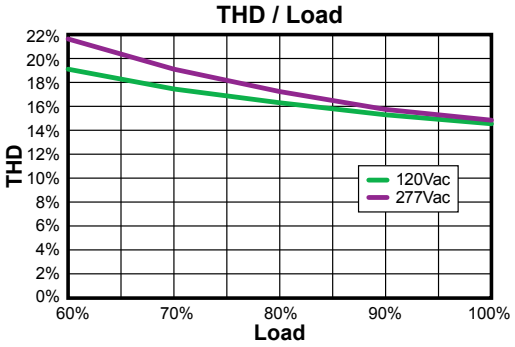
Rev 6-6-16

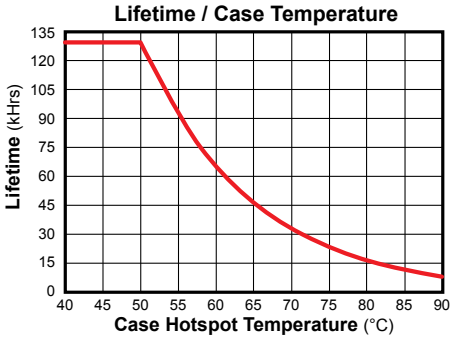
Dimensions - Inches (mm)

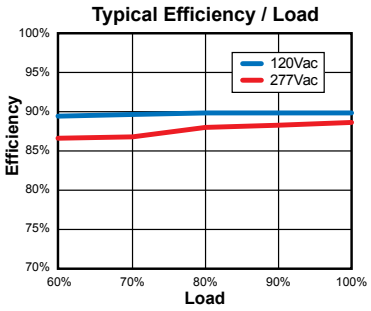


WIRE SPECS:
Input Leads: 18 AWG, rated 600 V, 105C, min.
Output Leads: 18 AWG, rated 300 V, 105C, min.
All wires are stranded with solder dipped ends.









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)

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:
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.