



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





LED-40W-LT Series

Line Voltage Dimmable Constant Current LED Drivers

Rev 8-25-2017



Electrical Specifications

Input Voltage Range:	120V model: 120Vac Nom. with dimmer 230V model: 220Vac-277Vac Nom. with dimmer
Frequency:	50/60 Hz Nom. (47-63 Hz Min/Max)
Power Factor:	>0.90 @ full load, 120Vac (no dimmer)
Inrush Current:	<15.0 Amps @ 120Vac, cold start 25°C, max load
Input Current (Max):	0.39 Amps @ 120Vac, 60Hz, max load
Maximum Power:	40W
Line Regulation:	± 3%
Load Regulation:	±5%

Protections

Over-voltage	Output
Over-current	Output
Short Circuit	Auto Recovery

Environmental Specifications

Max Case Life Temp: (5 year warranty)	58°C
Maximum Case Temp (UL):	85°C
Minimum Starting Temp:	-30°C
Storage Temperature:	-40°C to +85°C
Humidity:	5% to 95%
Cooling:	Convection
Vibration Frequency:	5 to 55 Hz/2g, 30 minutes
Sound Rating:	Class A
Impact Resistance:	1g/s
MTBF:	375,000 Hours @ full load, 40°C ambient conditions per MIL-217F Notice 2
EMC:	FCC 47CFR Part 15 Class B compliant
Weight:	11 oz. (311 g)

- Total Power: 40 Watts
- Models For: 120Vac or 220Vac-277Vac Input
- CCR Dimming: <10%-100%
- Both ELV & Inc in the same unit.
- UL Dry & Damp Location Rated
- IP66 & NEMA4
- High Power Factor
- Black Magic Thermal Advantage™ Plastic Housing
- Compatible with Triac (leading edge) and ELV (electronic low voltage; trailing edge) dimmer controls
- Use a dimmer that closely matches the load, just slightly larger. (EX: For best performance, use a 150W rated dimmer for 100W total LED load instead of 600W dimmer.)

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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120Vac Model - ELV & INC Dimming Specifications

Model	Output Current (mA ±5%)	Output Voltage Range (Vdc)	Max. Output Power (W)	Typical Efficiency
LED40W120-114-C0350-LT	350	72-114	40	85%
LED40W120-054-C0700-LT	700	34-54	40	85%
LED40W120-040-C1000-LT	1000	25-40	40	84%
LED40W120-036-C1100-LT	1100	22-36	40	84%
LED40W120-030-C1300-LT	1300	19-30	40	83%
LED40W120-024-C1670-LT	1670	15-24	40	82%

230Vac Model - ELV & INC Dimming Specifications

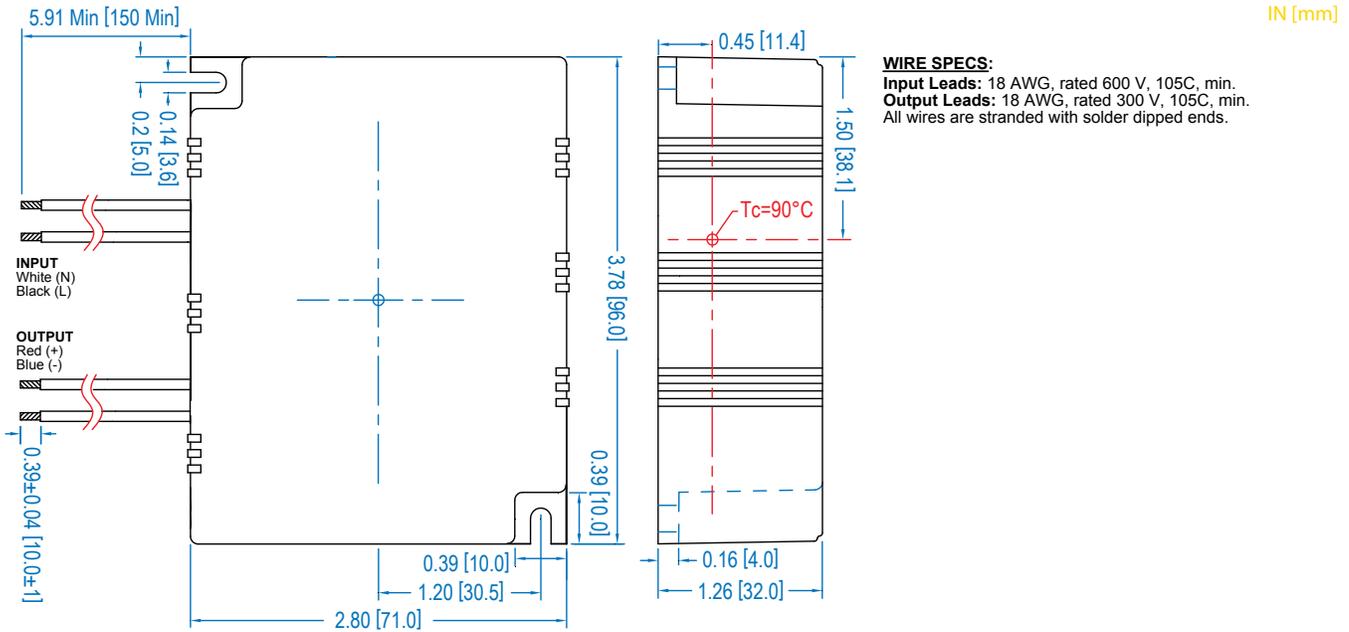
Model	Output Current (mA ±5%)	Output Voltage Range (Vdc)	Max. Output Power (W)	Typical Efficiency
LED40W230-114-C0350-LT	350	72-114	40	86%
LED40W230-054-C0700-LT	700	34-54	40	86%
LED40W230-040-C1000-LT	1000	25-40	40	85%
LED40W230-036-C1100-LT	1100	22-36	40	85%
LED40W230-030-C1300-LT	1300	19-30	40	84%
LED40W230-024-C1670-LT	1670	15-24	40	83%

Class 2: US/Canada

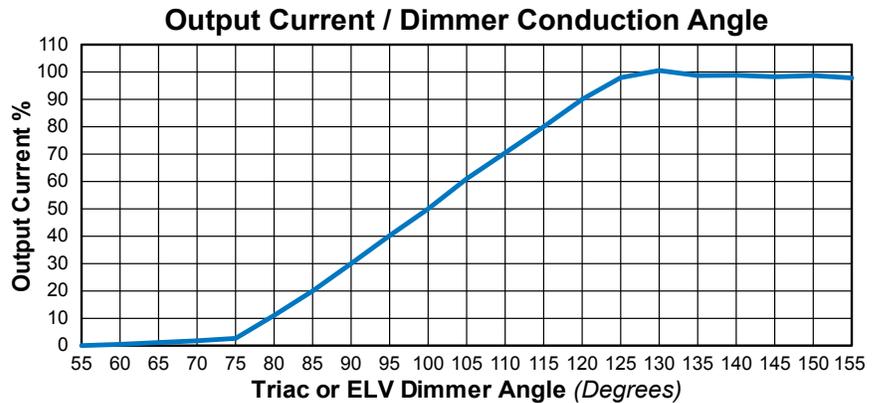
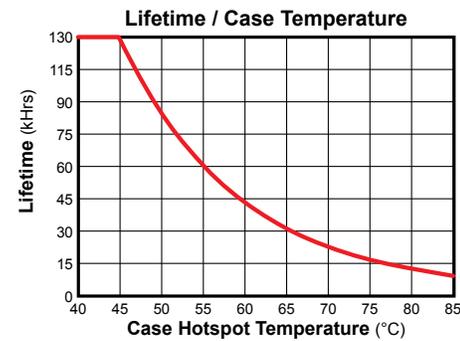
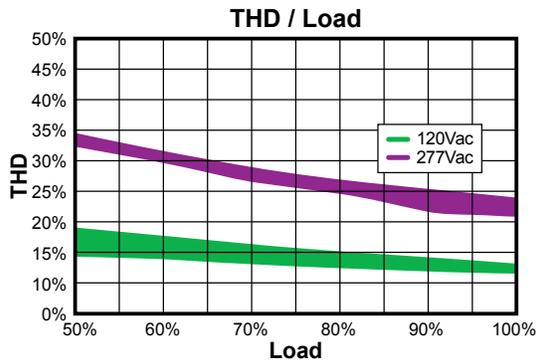
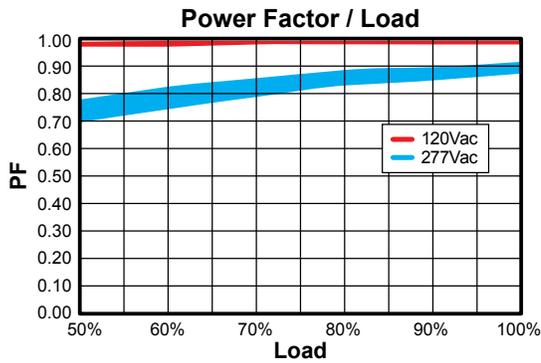
Safety Cert.	Standard
UL/CUL	UL8750
CSA	22.2
CE	EN61347
EMC Standard	Notes
EN61000-3-2	
EN61000-3-3	Class C
FCC, 47CFR Part 15	Class B
EN6100-4-5	2KV L-N, 8/20 μsec Surge Protection



Dimensions



Power Characteristics



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.

UL Conditions of Acceptability

See website for additional information