



LED-40W-LT Series– Line Voltage Dimmable

Constant Current LED Drivers

CCR Dimming: <10%-100%, both ELV & Inc in the same unit.

Black Magic Thermal Advantage™ Plastic Housing

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:	0.39 Amps @ 120Vac, 60Hz, max load
Maximum Power:	40W
Line Regulation:	± 3%
Load Regulation:	± 5%
Output Protection:	Over-Voltage, Over-Current, and Short Circuit Protection with Auto Recovery

Environmental Specifications

Maximum Case Temp.	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)



- Smallest Footprint Driver for this wattage
- Total Power: 40 Watts
- Models For: 120Vac or 220Vac-277Vac Input
- UL Dry & Damp Location Rated
- IP66 & NEMA4
- High Power Factor
- 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.)

120Vac Model - ELV & INC Dimming Specifications

Model Number	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 Number	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



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.

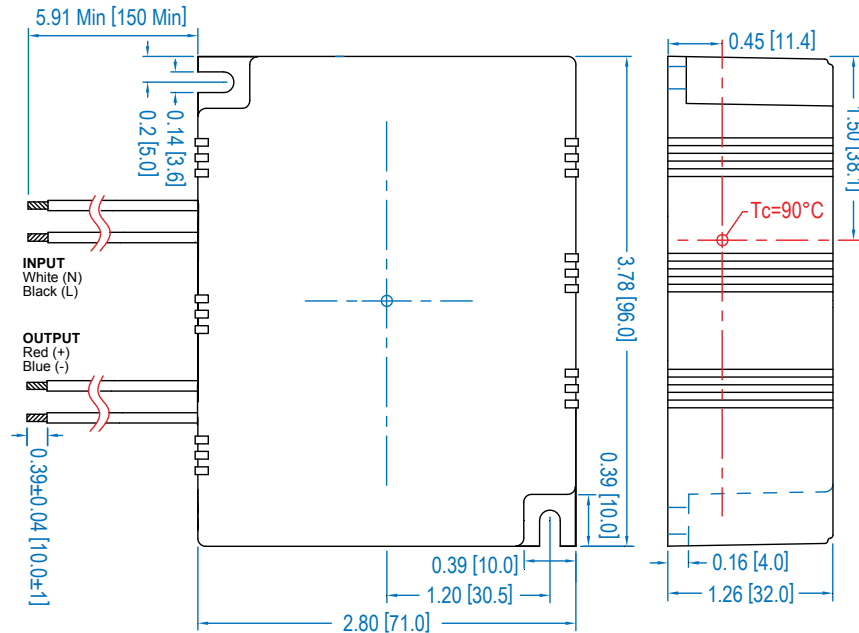
Rev 6-13-16



LED40W-LT Series

SSL Solutions Faster Than The Speed Of Light®

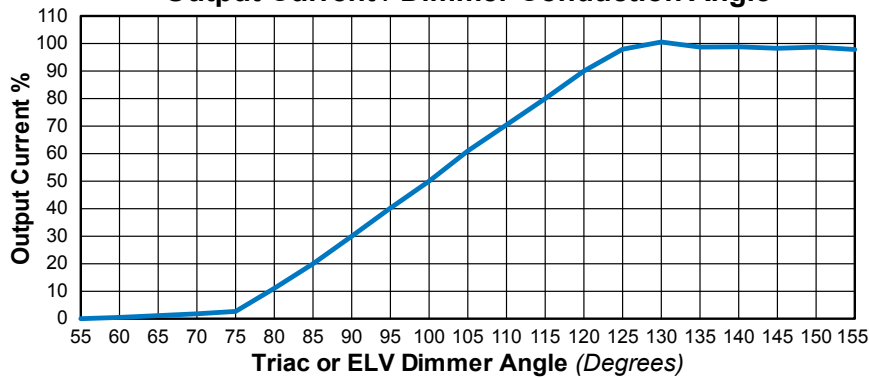
Dimensions - Inches (mm)



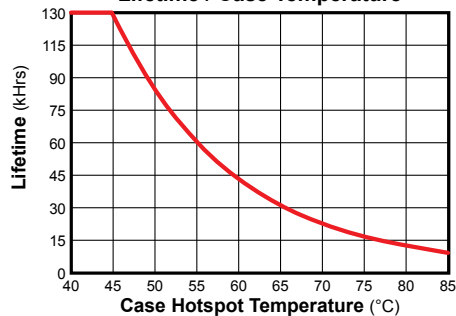
WIRE SPECS:

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.

Output Current / Dimmer Conduction Angle



Lifetime / Case Temperature



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	EN 61347
FCC, 47CFR Part 15	Class B
EN61000-3-2	
EN61000-3-3	Class C
EN61000-4-5	2kV/4kV

UL Conditions of Acceptability

See website for additional information