



## LED-40W 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 100-120Vac Nom. (90-135V Min/Max) 230V model (with dimmer) 230Vac Nom. (180-264V Min/Max) 230V model (w/o dimmer) 230Vac Nom. (180-305V Min/Max)
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:	0.40 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
- Input Voltage: 120Vac or 230Vac
- UL Dry & Damp Location Rated
- IP66 & NEMA4
- High Power Factor

#### 120Vac Input - ELV & INC Dimming Specifications

Model Number	Output Voltage Range (Vdc)	Output Current (mA ±5%)	Max. Output Power (W)	Typical Efficiency
LED40W120-114-C0350-LT	57-114	350	40	85%
LED40W120-054-C0700-LT	27-54	700	37.8	85%
LED40W120-040-C1000-LT	20-40	1000	40	84%
LED40W120-036-C1100-LT	18-36	1100	39.6	84%
LED40W120-030-C1300-LT	15-30	1300	39.0	83%
LED40W120-024-C1670-LT	12-24	1670	40	82%

#### 230Vac Input - ELV & INC Dimming Specifications

Model Number	Output Voltage Range (Vdc)	Output Current (mA ±5%)	Max. Output Power (W)	Typical Efficiency
LED40W230-114-C0350-LT	57-114	350	40	86%
LED40W230-054-C0700-LT	27-54	700	37.8	86%
LED40W230-040-C1000-LT	20-40	1000	40	85%
LED40W230-036-C1100-LT	18-36	1100	39.6	85%
LED40W230-030-C1300-LT	15-30	1300	39.0	84%
LED40W230-024-C1670-LT	12-24	1670	40	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.

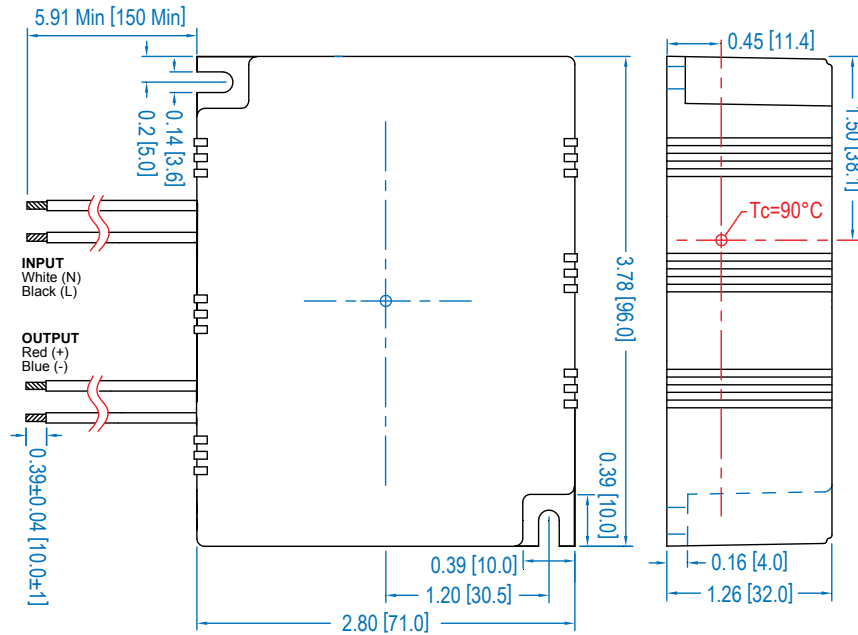
Rev 8-26-15



# LED40W-LT Series

SSL Solutions Faster Than The Speed Of Light®

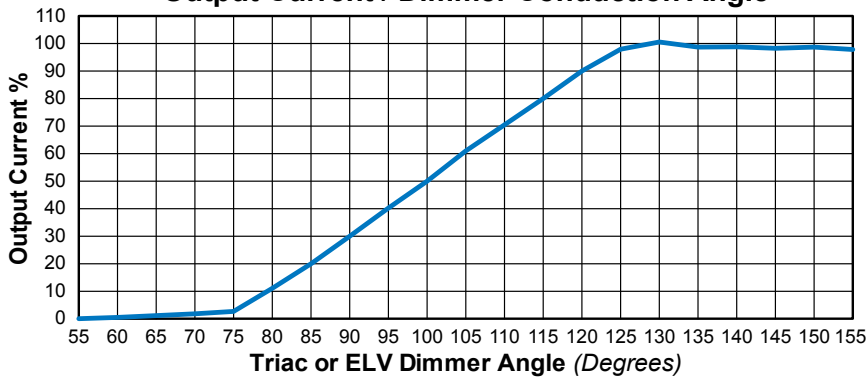
## Dimensions - Inches (mm)



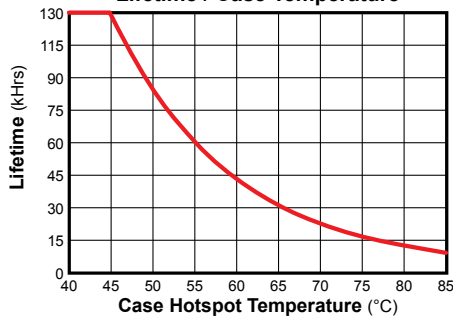
### WIRE SPECS:

**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



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

### 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)