



LED-40W-LT Series

Line Voltage Dimmable Constant Current LED Drivers

Rev 12-26-2018

select **SYNC**
classic

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
- 0%-100% (depends on dimmer control)
- 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.



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% |

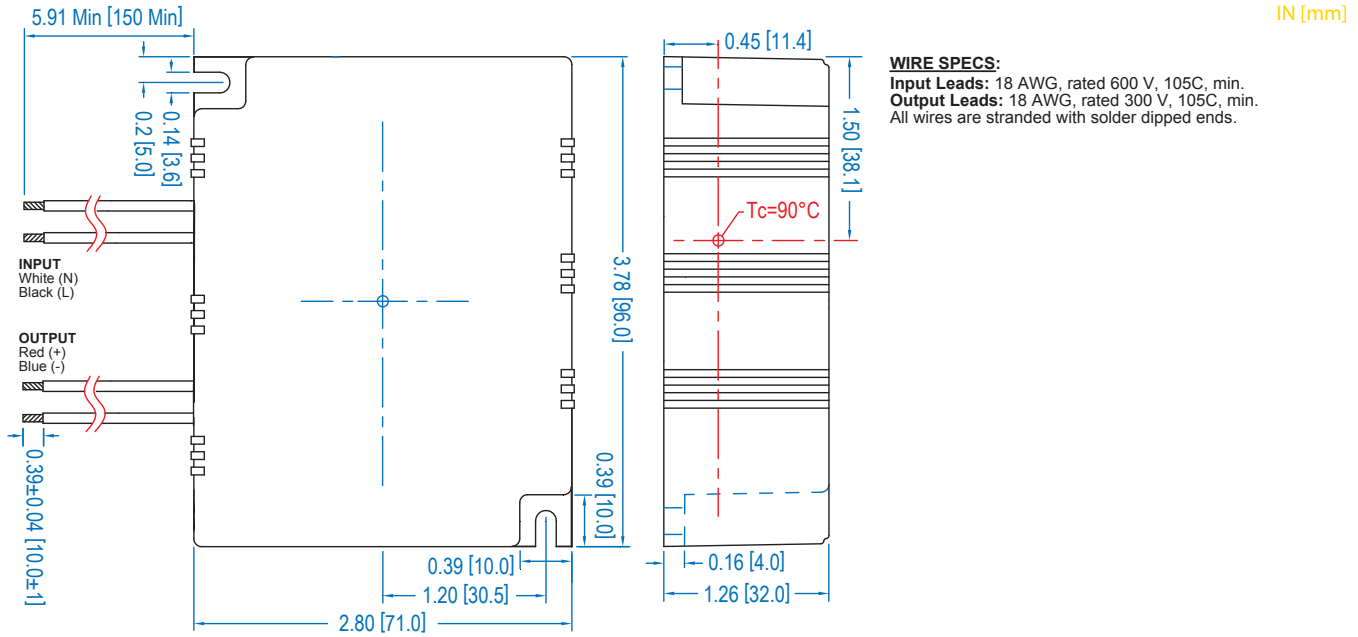
230Vac Model - ELV & INC Dimming Specifications

| 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% |

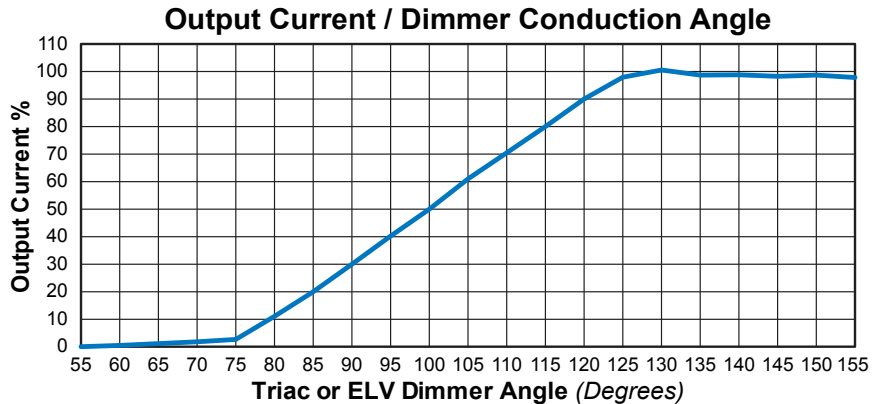
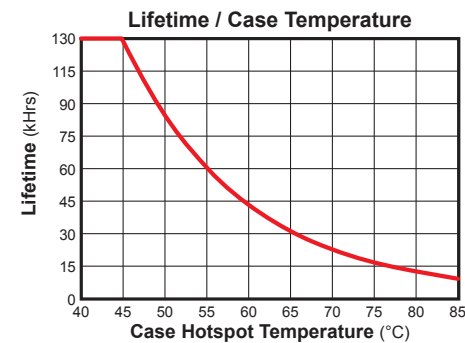
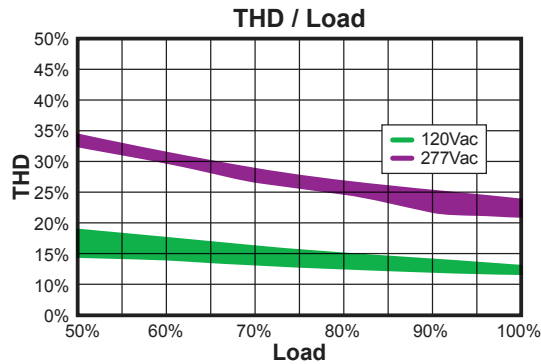
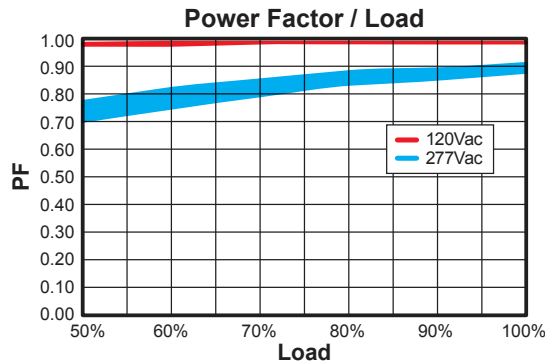
Class 2: US/Canada

| 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