



### Electrical Specifications

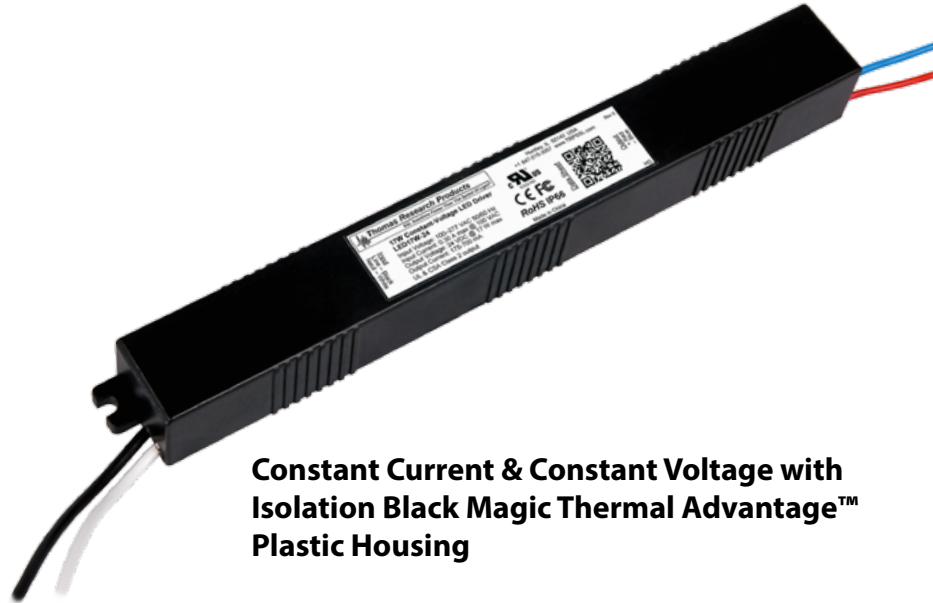
|                      |  |
|----------------------|--|
| Input Voltage Range: | 100-277 Vac Nom. (90-305 V Min/Max)            |
| Input Over-Voltage:  | Can endure 320Vac for 48 Hrs, 350Vac for 2 Hrs |
| Frequency:           | 50/60 Hz Nom. (47-63 Hz Min/Max)               |
| Power Factor:        | >0.90 @ full load, 100V through 277V           |
| Inrush Current:      | <10 Amps max @ 230 Vac, cold start 25°C        |
| Input Current:       | 0.17 Amps max at 120 Vac                       |
| Efficiency:          | 72% typical at max load                        |
| Maximum Power:       | 17W  |
| Current Accuracy:    | ± 1% (when applicable)                         |
| Load Regulation:     | ± 3%   |
| THD:                 | ≤ 20% @ 120 Vac, ≤ 35% @ 277 Vac               |
| Leakage Current:     | 300 µA Typical                                 |
| Hold Up Time:        | Half Cycle                                     |

### Protections

|               |               |
|---------------|---------------|
| Over-voltage  | Yes           |
| Short Circuit | Auto Recovery |

### Environmental Specifications

|                        |  |
|------------------------|--|
| Maximum Case Temp.     | 80°C   |
| Storage Temperature:   | -40°C to +85°C   |
| Minimum Starting Temp: | -30°C  |
| Humidity:              | 5% to 95%  |
| Cooling:               | Convection   |
| Sound Rating:          | Class A  |
| Vibration Frequency:   | 5 to 55 Hz/2g, 30 minutes  |
| Sound Rating:          | Class A  |
| Lifetime:              | 50,000 Hours, 72°C @ Tc point (see graph for details)                            |
| MTBF:                  | 450,000 Hours at full load and 40°C ambient conditions per MIL-217F Notice 2     |
| EMC:                   | Compliant to CISPR 22 Class B, CISPR 14-1 Class B, GB4343 1-2003, GB17625.1-2003 |
| Weight:                | 6.9 oz. (196 g)  |



**Constant Current & Constant Voltage with Isolation Black Magic Thermal Advantage™ Plastic Housing**

### Constant Current Models

| Model           | Output Current (mA ±3%) | Output Voltage Range (Vdc) | Max. Output Power (W) | Typical Efficiency |
|-----------------|-------------------------|----------------------------|-----------------------|--------------------|
| LED17W-36-C0470 | 470                     | 18-36                      | 17                    | 74%                |
| LED17W-24-C0700 | 700                     | 12-24                      | 17                    | 74%                |
| LED17W-12-C1400 | 1400                    | 6-12                       | 17                    | 72%                |

### Constant Voltage Models

| Model       | Output Voltage (Vdc ±5%) | Output Current Range (mA) | Max. Output Power (W) | Typical Efficiency |
|-------------|--------------------------|---------------------------|-----------------------|--------------------|
| LED17W-12 • | 12                       | 350-1400                  | 17                    | 72%                |
| LED17W-24 • | 24                       | 175-700                   | 17                    | 74%                |
| LED17W-36   | 36                       | 118-470                   | 17                    | 74%                |

• Indicates S.A.M.

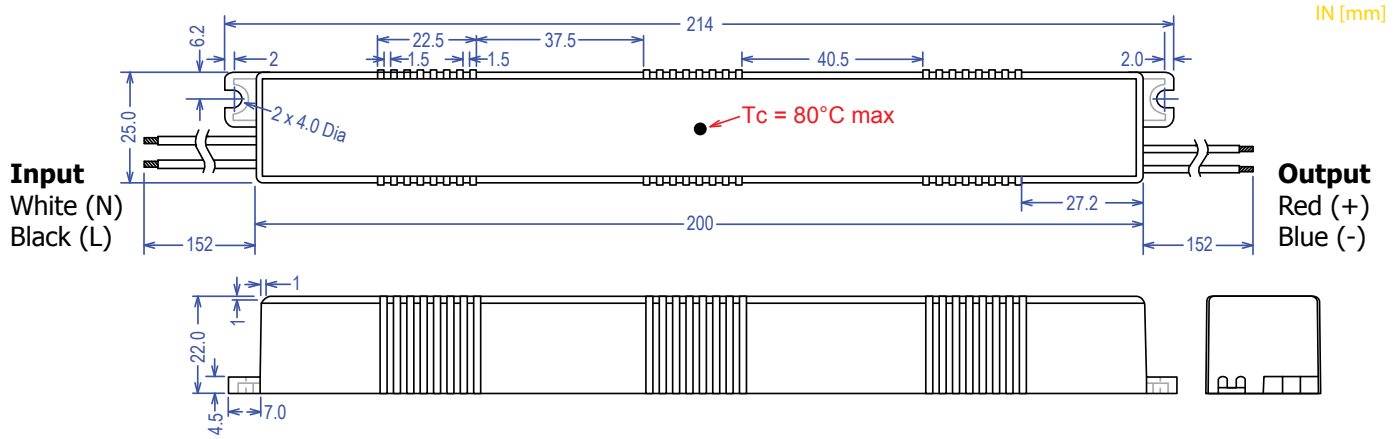
Class 2: US/Canada

- Total Power: 17 Watts
- Input Voltage: 100-277 Vac Nom.
- UL Dry & Damp Location Rated
- Suitable for use signs (UL48)
- High Power Factor
- UL Sign Components Manual (S.A.M. Models)

| Safety Cert.         | Standard   |
|----------------------|--|
| UL/CUL               | UL8750 & CAN/CSA-22.2 No. 250.13-12, UL1012/CSA-C22.2 No.107.1   |
| CE                   | EN 61347-1, EN61347-2-13   |
| Withstand Voltage    | Input to Output: 3750 Vac  |
| Isolation Resistance | Input to Output: >100 MΩ, 500VDC @ 25 OC, 70 % RH  |
| EMC Standard         | Notes  |
| FCC, 47CFR Part 15   | Class B  |
| EN 55015             | Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment.   |
| EN 61000-3-2         | Part 3-2: Limits for harmonic current emissions Class C, >80% Rated Power  |
| EN 61000-3-3         | Part 3-3: Limitation of voltage changes, voltage fluctuations and flicker.   |
| EN 61000-4-5         | Part 4-5: Surge Immunity test, 2 kV L-N, 4 kV L-G & N-G  |
| Energy Star          | Energy Star transient protection: Ballast or driver shall comply with ANSI/IEEE C62.41.1-2002 and ANSI/IEEE C62.41.2-2002, Category A operation. The line transient shall consist of seven strikes of a 100 kHz ring wave, 2.5 kV level, for both common mode and differential mode. |



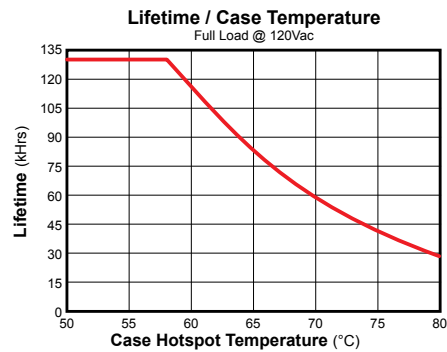
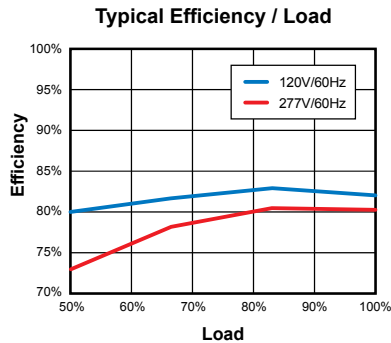
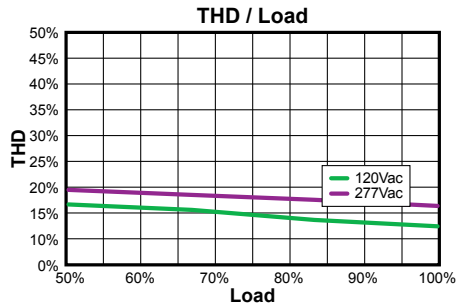
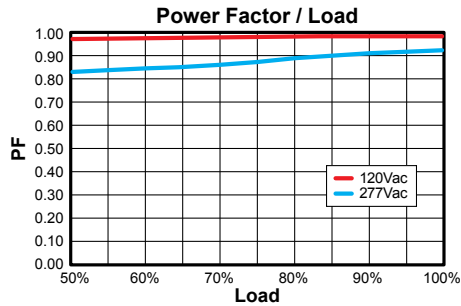
**Dimensions**



**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.

**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.