



## LED-25W Series— Line Voltage Dimmable

Constant Current LED Drivers  
CCR Mode: ELV & Inc 100-10% Dimmable  
Black Magic Thermal Advantage™ Plastic Housing

### Electrical Specifications

|                      |                                                                               |
|----------------------|-------------------------------------------------------------------------------|
| Input Voltage Range: | 120-230 Vac Nom. with dimmer,<br>100-277 Vac Nom. without dimmer              |
| Frequency:           | 50/60 Hz Nom. (47-63 Hz Min/Max)                                              |
| Power Factor:        | >0.90 @ full load, 100V through 277V without dimmer                           |
| Inrush Current:      | <10 Amps max @ 120Vac, cold start 25°C                                        |
| Input Current:       | 0.25 A max 120Vac 60Hz, max load                                              |
| Maximum Power:       | 25W                                                                           |
| Current Regulation:  | ± 5% Over input line variation                                                |
| Load Regulation:     | ± 8%                                                                          |
| THD:                 | <20% @ full load, 120V                                                        |
| Typical Efficiency   | 84% at 120Vac                                                                 |
| Output Protection:   | Over-Voltage, Over-Current and Short Circuit Protection<br>with Auto Recovery |

### Environmental Specifications

|                        |                                                 |
|------------------------|-------------------------------------------------|
| Minimum Starting Temp: | -30°C                                           |
| Maximum Case Temp.     | 90°C                                            |
| Storage Temperature:   | -40°C to +85°C                                  |
| Humidity:              | 5% to 95%                                       |
| Cooling:               | Convection                                      |
| Sound Rating:          | Class A                                         |
| Vibration Frequency:   | 5-55 Hz/2g, 30 minutes                          |
| Impact Resistance:     | 1g/s                                            |
| MTBF:                  | 402,000 Hours @ full load per MIL-217F Notice 2 |
| EMC:                   | FCC 47CFR Part 15 Class B compliant             |
| Weight:                | 7.0 oz. (198 g)                                 |



- Total Power: 25 Watts
- Input Voltage: 100-277 Vac Nom.
- UL Dry & Damp Location Rated
- IP66 & NEMA4
- High Power Factor

### ELV Dimming Product Specifications

| Model Number       | Output Voltage Range (Vdc) | Output Current (mA ±4%) | Max. Output Power (W) | Typical Efficiency |
|--------------------|----------------------------|-------------------------|-----------------------|--------------------|
| LED25W-72-C0350-TE | 36-72                      | 350                     | 25                    | 86%                |
| LED25W-48-C0520-TE | 24-48                      | 520                     | 25                    | 85%                |
| LED25W-36-C0700-TE | 18-36                      | 700                     | 25                    | 84%                |
| LED25W-24-C1040-TE | 12-24                      | 1040                    | 25                    | 83%                |

For use with electronic low voltage dimmers

### INC Dimming Product Specifications

| Model Number       | Output Voltage Range (Vdc) | Output Current (mA ±4%) | Max. Output Power (W) | Typical Efficiency |
|--------------------|----------------------------|-------------------------|-----------------------|--------------------|
| LED25W-72-C0350-LE | 36-72                      | 350                     | 25                    | 86%                |
| LED25W-48-C0520-LE | 24-48                      | 520                     | 25                    | 85%                |
| LED25W-36-C0700-LE | 18-36                      | 700                     | 25                    | 84%                |
| LED25W-24-C1040-LE | 12-24                      | 1040                    | 25                    | 83%                |

For use with standard incandescent dimmers

Class 2: US/Canada US Only

Sign Components Manual



#### 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 8-25-15

