



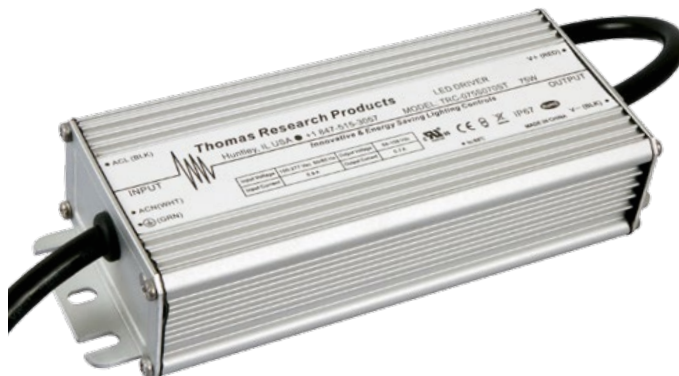
## 75W TRC-075 Series Switch Mode LED Drivers - Constant Current

### Electrical Specifications

|                      |  |
|----------------------|--|
| Input Voltage Range: | 100 - 277 Nom. VAC (90 - 305 V Min/Max)  |
| Frequency:           | 50/60 Hz Nom. (47-63 Hz Min/Max)   |
| Power Factor:        | >0.90 @ full load, 100V through 277V   |
| Input Current:       | 0.90 A @ 100VAC  |
| Efficiency:          | 90% typical @ maximum load   |
| Maximum Power:       | 75W  |
| Line Regulation:     | ± 1%   |
| Load Regulation:     | ± 3%   |
| Turn-on Time Delay:  | 0.8S typical or 1.2S max @ 120V,<br>0.4S typical or 0.6S max @ 277V  |
| Protection:          | Over-Voltage, Output Over-Current, Over-Temperature,<br>Output Short Circuit Protection with Auto Recovery |

### Environmental Specifications

|                        |  |
|------------------------|--|
| Maximum Case Temp.     | 87°C   |
| Minimum Starting Temp: | -40°C  |
| Storage Temperature:   | -40°C to +85°C   |
| Humidity:              | 10% to 100%  |
| Cooling:               | Convection   |
| Sound Rating:          | Class A  |
| MTBF:                  | 320,000 Hours @ full load and 25°C ambient conditions<br>per MIL-HDBK-217F |
| Lifetime:              | 107,000 Hours @ Tc=60°C, 80% load, 110Vac                                  |
| Weight:                | 1.65 lbs (750 g)   |



- Total Power: 75 Watts
- Input Voltage: 100-277 Vac Nom.
- UL Dry & Damp Location Rated
- IP67
- High Efficiency
- High Power Factor with Active Correction
- Output and Lightning Protection

| Model Number  | Output Current<br>(mA ±5%) | Output Voltage<br>Range (Vdc) | Max. Output<br>Power (W) | Max<br>Efficiency |
|---------------|----------------------------|-------------------------------|--------------------------|-------------------|
| TRC-075S035ST | 350                        | 107-214                       | 75                       | 90%               |
| TRC-075S045ST | 450                        | 83-166                        | 75                       | 90%               |
| TRC-075S070ST | 700                        | 54-108                        | 75                       | 90%               |
| TRC-075S105ST | 1050                       | 36-72                         | 75                       | 89%               |
| TRC-075S140ST | 1400                       | 27-54                         | 75                       | 89%               |
| TRC-075S210ST | 2100                       | 18-36                         | 75                       | 88%               |
| TRC-075S280ST | 2800                       | 13-27                         | 75                       | 88%               |
| TRC-075S375ST | 3750                       | 10-20                         | 75                       | 87%               |
| TRC-075S500ST | 5000                       | 7-15                          | 75                       | 87%               |

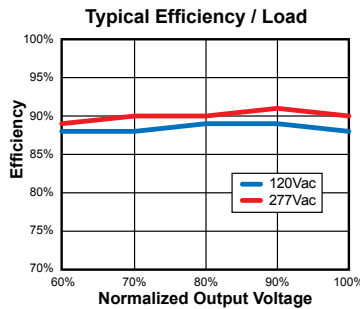
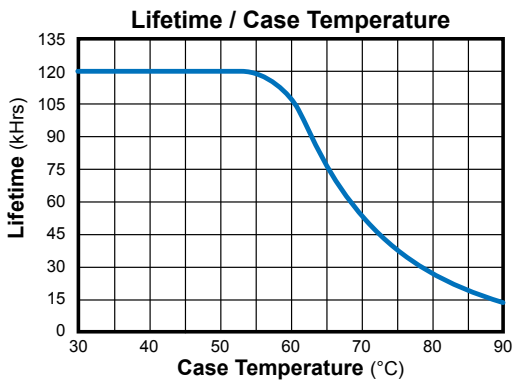
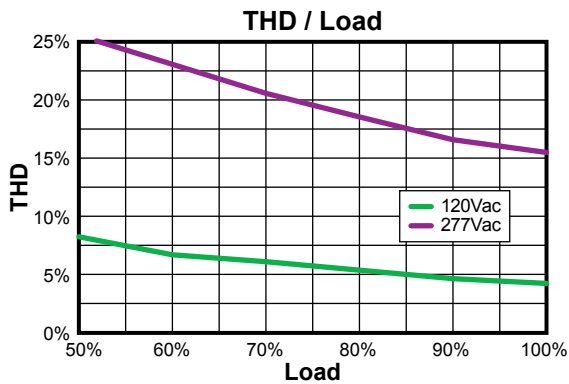
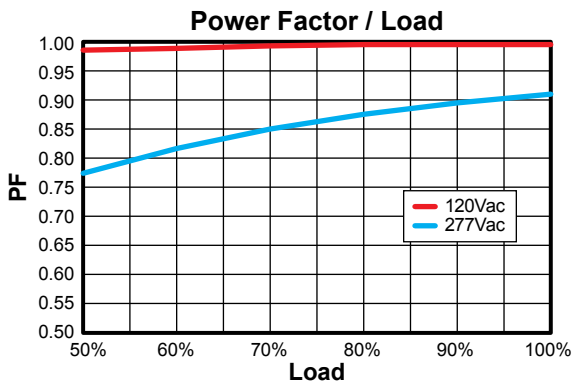
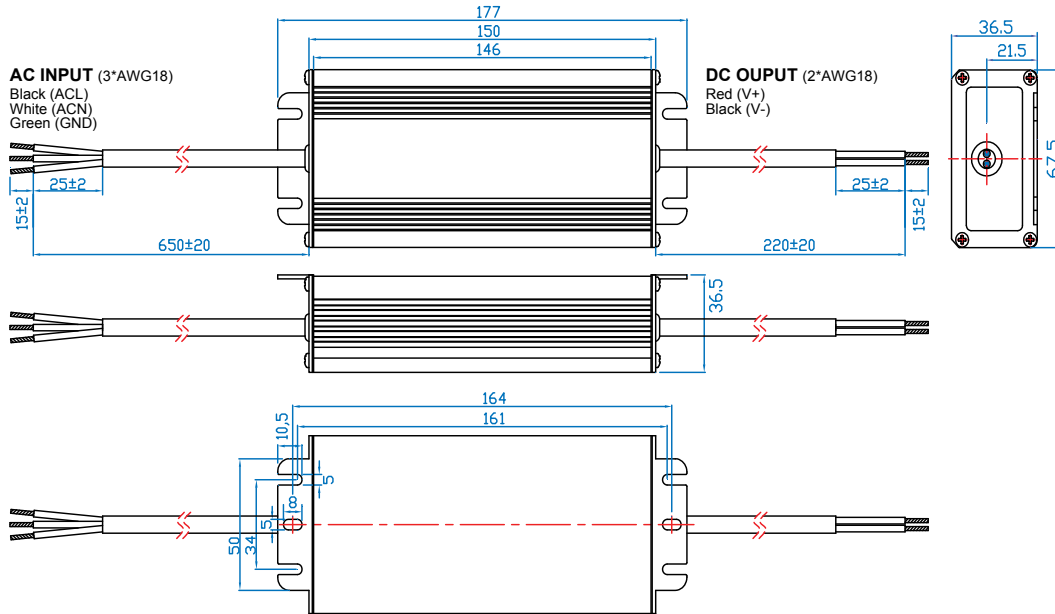
Class 2: US/Canada US Only



**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 9-1-15



| Safety and EMC Compliance |   |
|---------------------------|---|
| CUL                       | UL 8750,  |
| CE                        | EN 61347-1, EN61347-2-13  |
| EN 55015                  | Conducted emission  |
| EN 61000-3-2              | Harmonic current emissions  |
| EN 61000-3-3              | Voltage fluctuations and flicker  |
| EN 61000-4-2              | Electrostatic discharge   |
| EN 61000-4-3              | RFE Field Susceptibility test   |
| EN 61000-4-4              | Electrical Fast Transient   |
| EN 61000-4-5              | Surge Immunity Test, AC Power Line: line to line 4 kV; line to earth 6 kV |
| EN 61000-4-6              | Conducted Radio Frequency   |
| EN 61000-4-8              | Power Frequency Magnetic Field Test                                       |
| EN 61000-4-11             | Voltage Dips  |
| EN 61547                  | Electromagnetic Immunity  |