

#### 96W 24V DRY/DAMP POWER SUPPLY

The 96W 24V Constant Voltage LED power supply features a wide input voltage range. It is a high-efficiency Class 2 power supply for use in dry and damp locations.

- Constant voltage LED power supply
- Wide voltage input range (100 - 277 VAC)
- Provides constant 24 VDC output
- Low power loss/high efficiency
- Overvoltage, short circuit, overtemperature and overcurrent protections
- White metal casing
- IP65 for dry and damp locations
- 5-year warranty



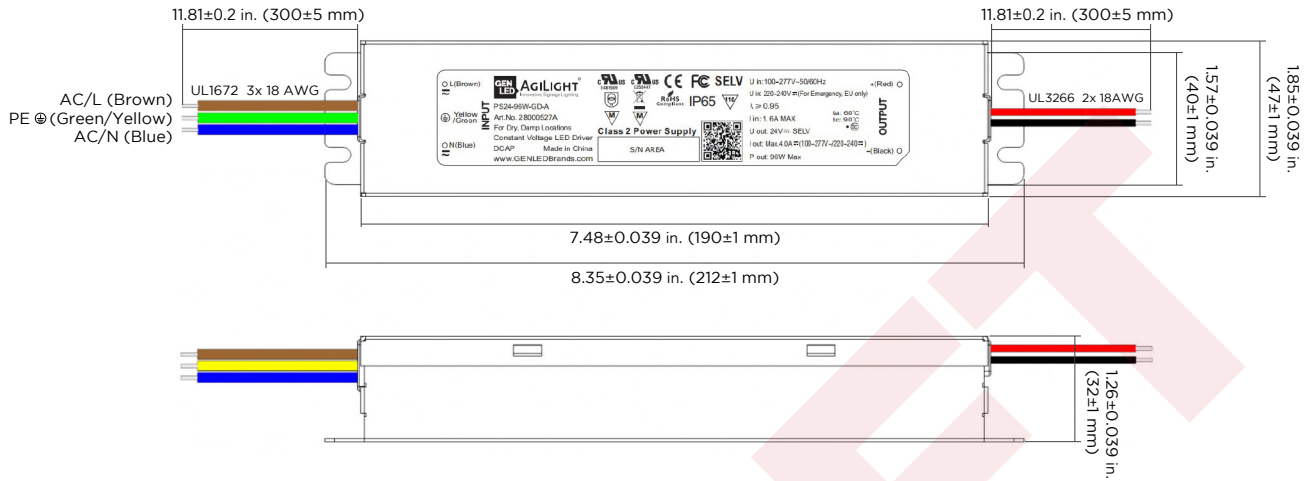
#### PRODUCT INFORMATION

|                             |   |                            |   |
|-----------------------------|---|----------------------------|---|
| Type                        | PS24-96W-GD-A   | PF                         | ≥ 0.95 @ 100 - 277 VAC  |
| Article Number              | 28000527A   | IP Rating                  | IP65 (dry/damp locations)   |
| Rated Output Current        | 4 A   | Total Harmonic Distortion  | < 20% @ full load   |
| Rated Output Voltage        | 24 VDC @ full load                                    | Overcurrent Protection     | Yes   |
| Rated Output Power          | 96 W  | Short Circuit Protection   | Yes   |
| Output Voltage Accuracy     | ±3%   | Overvoltage Protection     | Yes   |
| Output Ripple & Noise       | 250 mV  | Overtemperature Protection | Yes @ Tc 95 °C  |
| Line Regulation             | ±1%   | Working Temperature        | -40 - 140 °F (-40 - 60 °C)  |
| Load Regulation             | ±5%   | Storage Temperature        | -40 - 185 °F (-40 - 85 °C)  |
| Start Time                  | Cold start ≤ 1000 mS                                  | Dimensions (LxWxH)         | 8.35x1.85x1.26 in.<br>212x47x32 mm  |
| Input Voltage Range         | 90 - 305 VAC  | Weight                     | 1.1 lb (0.5 kg)   |
| Rated Input Voltage Range   | 100 - 277 VAC   |                            |   |
| Input Frequency Range       | 50/60 Hz  |                            |   |
| Input Current               | 1.6 A Max.  |                            |   |
| Inrush Current (cold start) | ≤ 60 A  |                            |   |
| Leakage Current             | < 0.75 mA   |                            |   |
| Efficiency                  | ≥ 88% @ 115 VAC<br>≥ 92% @ 230 VAC<br>≥ 92% @ 277 VAC |                            |   |
|                             |   | <b>Safety</b>              | <b>Safety Standards</b>   |
|                             |   | UL / cUL                   | UL879, UL8750, UL1310,  |
|                             |   | Country/Region             | FCC Part 15 Class B, EN55015:2019,<br>EN61547:2023, EN61000-3-2:2019,<br>EN61000-3-3:2013, EN61000-4-2:2009,<br>EN61000-4-3:2010, EN61000-4-4:2012,<br>EN61000-4-5:2014, EN61000-4-6:2013,<br>EN61000-4-8:2010, EN61000-4-11:2020,<br>IEC61347-1:2015, IEC61347-2-13:2014 |
|                             |   | USA & Canada               | Europe  |

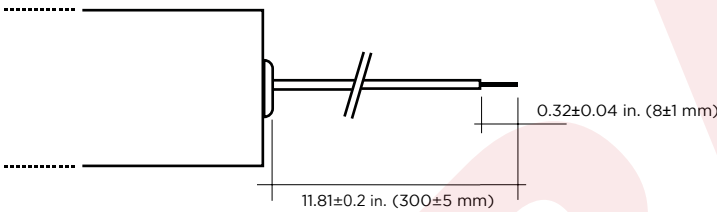
#### SHIPPING INFORMATION

| Product       | Specs      | Packaging Quantity |          | Case Weight       | SKU Dimensions |      |      | Case Dimensions |       |      |      |
|---------------|------------|--------------------|----------|-------------------|----------------|------|------|-----------------|-------|------|------|
|               |            | Per SKU            | Per Case |                   | W              | D    | H    | W               | D     | H    |      |
| PS24-96W-GD-A | # of Units | 1                  | 24       | 26.46 lb<br>12 kg | 9.84           | 2.17 | 1.57 | 18.11           | 10.63 | 5.51 | inch |
|               |            |                    |          |                   | 250            | 55   | 40   | 460             | 270   | 140  | mm   |

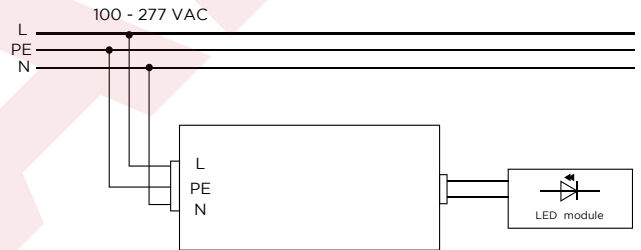
**DIMENSION DRAWINGS**



**CONNECTION**



**WIRING DIAGRAM**



**DRIVER REMOTE DISTANCES**

| Wattages                      | PS24-96W-GD-A |        |
|-------------------------------|---------------|--------|
|                               | Feet          | Meters |
| 24 AWG / 0.20 mm <sup>2</sup> | 2.48          | 0.758  |
| 22 AWG / 0.33 mm <sup>2</sup> | 4.21          | 1.282  |
| 20 AWG / 0.52 mm <sup>2</sup> | 6.43          | 1.961  |
| 18 AWG / 0.82 mm <sup>2</sup> | 10.41         | 3.175  |
| 16 AWG / 1.31 mm <sup>2</sup> | 16.82         | 5.128  |
| 14 AWG / 2.08 mm <sup>2</sup> | 26.67         | 8.130  |
| 12 AWG / 3.31 mm <sup>2</sup> | 42.05         | 12.821 |
| 10 AWG / 5.26 mm <sup>2</sup> | 66.26         | 20.202 |
| 8 AWG / 8.37 mm <sup>2</sup>  | 104.13        | 31.746 |

NOTE: Calculations include a standard 10% buffer

| Primary Cable |      |              | Secondary Cable |       |
|---------------|------|--------------|-----------------|-------|
| L             | N    | PE           | +               | -     |
| brown         | blue | green/yellow | red             | black |

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