

# SloanLED Power Supplies

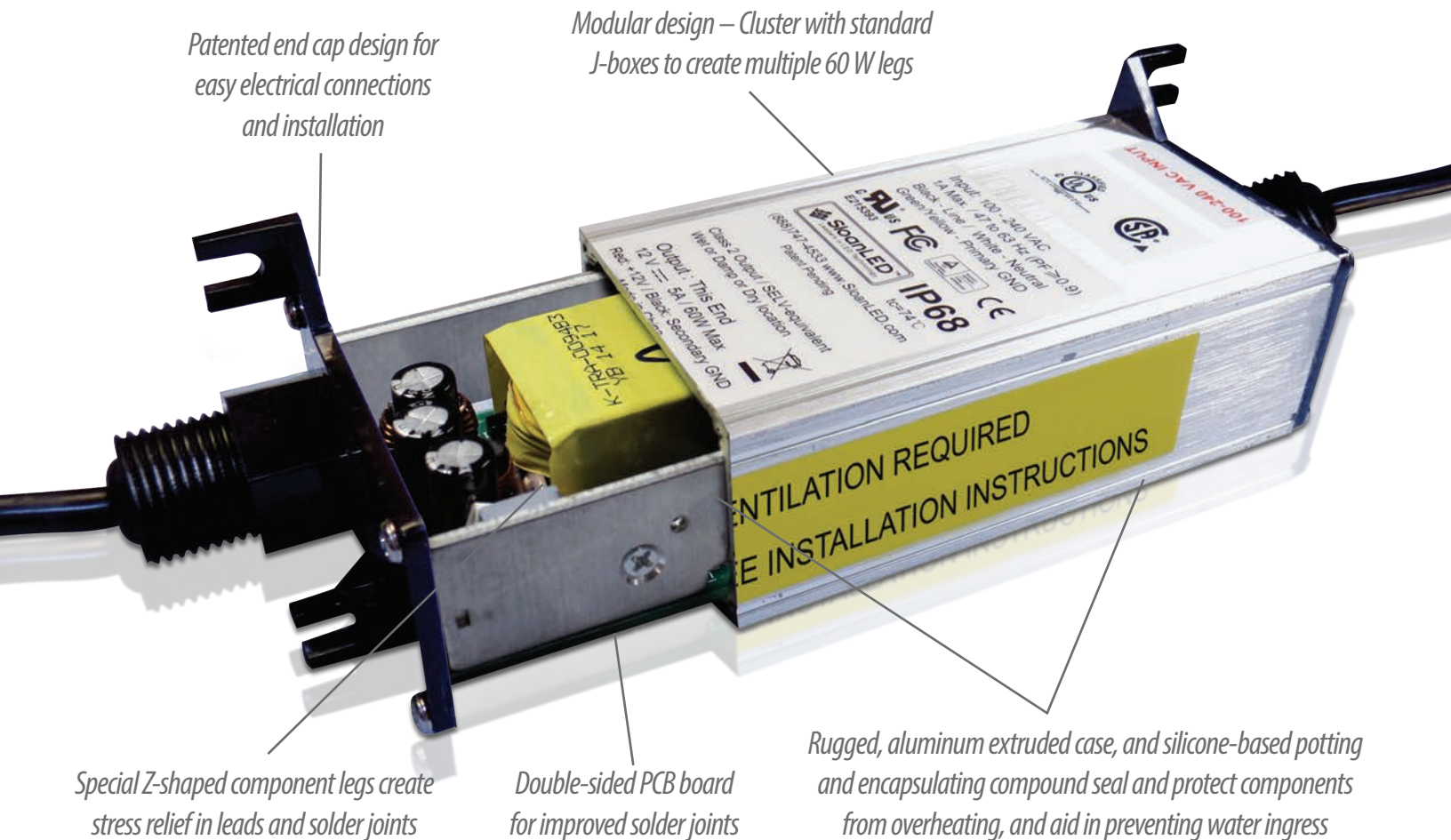
We Brighten  
Your Brands.



**SloanLED®**  
Leaders in LED Technology

# Power and reliability.

SloanLED provides high-efficiency, long lasting lighting solutions, but there's more to an installation than just the LED modules. Power supplies account for only 20% of the cost of an installation, and compromising on quality may save a few dollars, but puts the overall dependability and safety of the entire installation at risk. SloanLED offers a comprehensive line of power supplies, engineered for excellent performance and reliability, and built to excel in even the most demanding environments and applications. SloanLED power supplies are among the most rugged in their class, and with more than 900,000 power supplies sold, it's no wonder successful brands, who mean business, trust SloanLED.



24 VDC 100 W

60C1 60 W

COMPACT 12/25 W

COMPACT 24/40 W

MOD277 60 W

MODW(E) 60 W

SELF-CONTAINED 20 W

- Auto-resetting – No fuses to replace or circuit breaker to reset – Short circuit protection automatically resets when short condition is corrected
- Simple secondary hook-ups – No minimum load or load balancing required

60W1 60 W

60W2 60 W

120D1 120 W

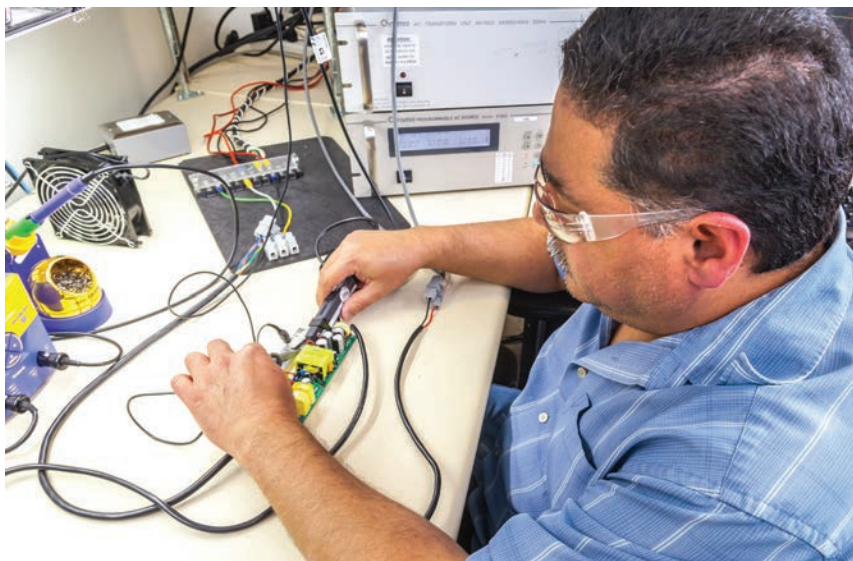
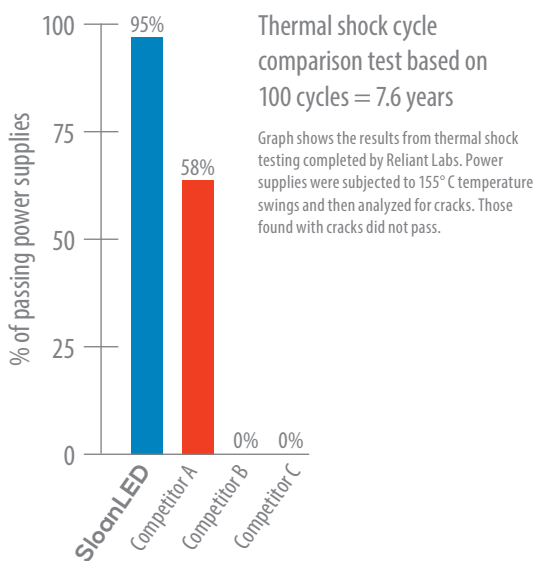
- Auto-resetting – No fuses to replace or circuit breaker to reset – Short circuit and over-current protection circuit automatically resets when condition is corrected
- Rugged and compact



# Failure is not an option.

As a leader in the industry, we understand that every watt of power consumption matters, not only to sign makers, but to their clients as well. Quality control, rigorous testing, and product safety are top priority at SloanLED.

## 3rd Party Independent Test Results



**"MODW units meet SloanLED's stringent design criteria and outperformed the competition, making them best-in-class."**

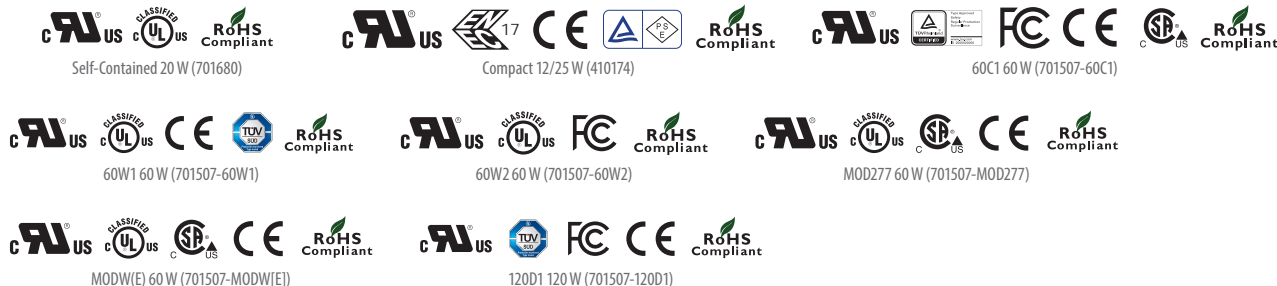
Elmer Tolentino Jr., CRE,  
Principal Reliability Engineer,  
Reliant Labs

Reliant Labs provides high quality environmental testing and reliability services; a true alternative to traditional design qualification. As one of the largest and busiest HALT labs in the world, Reliant Labs quickly and accurately delivers knowledge resources, practical experience and confidentiality along with the most comprehensive test reports in the industry. For more information on Reliant Labs, visit [ReliantLabs.com](http://ReliantLabs.com).

# Safety and compliance.

Safety and environmental impact are important to us, and our power supplies meet stringent safety requirements, and international agency standards.

## 12 VDC



## 24 VDC



For more information on our Power Supplies collection of products, visit [SloanLED.com](http://SloanLED.com).

24 VDC Power Supply (701895-24C) is covered by U.S. and foreign patents pending and covered by one or more of the following U.S. patents issued: 6,776,504, 6,969,179, 7,192,157, 6,932,495, 7,241,031

Self-Contained 20 is covered by U.S. and foreign patents pending and covered by one or more of the following U.S. patents issued: 6,776,504, 6,969,179, 7,192,157, 6,932,495, 7,241,031

MODW is covered by U.S. and foreign patents pending and covered by one or more of the following U.S. patents issued: 6,776,504, 6,969,179, 7,192,157, 6,932,495, 7,241,031

MOD277 is covered by U.S. and foreign patents pending and covered by one or more of the following U.S. patents issued: 6,776,504, 6,969,179, 7,192,157, 6,932,495, 7,241,031

# SloanLED Power Supplies

## Specifications

### 12 VDC – Compatible with SloanLED 12 VDC products

Model	Part number	Dimensions	Nominal input voltage	Max. input current	Power output	Location rating	Operating temperature	Protection class
<b>Self-Contained 20 W</b>	701680	4.65 in × 1.38 in × 1.03 in (118 mm × 35 mm × 26 mm)	100-240 VAC, 50-60 Hz	0.55 A	20 W @ 12 VDC, Class 2 output	Dry and damp locations	-30° C to +60° C	IP67
<b>Compact 12/25 W</b>	410174	5.83 in × 1.58 in × 1.26 in (148 mm × 40 mm × 32 mm)	100-277 VAC, 50-60 Hz	0.40 A	25 W @ 12 VDC, Class 2 output <sup>1</sup>	Dry and damp locations	-40° C to +70° C	IP67
<b>60C1 60 W</b>	701507-60C1	5.6 in × 1.8 in × 1.3 in (142 mm × 46 mm × 33 mm)	100-277 VAC, 50-60 Hz	0.80 A	60 W @ 12 VDC, Class 2 output <sup>1</sup>	Dry and damp locations	-40° C to +60° C, natural convection cooling	IP54
<b>60W1 60 W</b>	701507-60W1	10.40 in × 1.99 in × 1.45 in (264 mm × 51 mm × 37 mm)	100-240 VAC, 50-60 Hz	0.85 A	60 W @ 12 VDC, Class 2 output <sup>1</sup>	Dry, damp, and wet locations	-40° C to +60° C	IP68
<b>60W2 60 W</b>	701507-60W2	10.55 in × 2.28 in × 1.98 in (268 mm × 58 mm × 50 mm)	100-277 VAC, 50-60 Hz	0.80 A	60 W @ 12 VDC, Class 2 output <sup>1</sup>	Dry, damp, and wet locations	-40° C to +60° C, Derate to 50% of max load at +70° C	IP68
<b>MOD277 60 W</b>	701507-MOD277	10.5 in × 2.5 in × 1.5 in (267 mm × 64 mm × 38 mm)	277-347 VAC, 50-60 Hz	0.50 A	60 W @ 12 VDC, Class 2 output <sup>1</sup>	Dry, damp, and wet locations	-40° C to +60° C	IP68
<b>MODW(E)<sup>2</sup> 60 W</b>	701507-MODW(E)	9.0 in × 2.5 in × 1.5 in (229 mm × 64 mm × 38 mm)	100-240 VAC, 50-60 Hz	1.00 A	60 W @ 12 VDC, Class 2 output <sup>1</sup>	Dry, damp, and wet locations	-40° C to +60° C	IP68
<b>120D1 120 W</b>	701507-120D1	9.6 in × 2.2 in × 1.7 in (244 mm × 56 mm × 43 mm)	100-277 VAC, 50-60 Hz	1.70 A	120 W @ 12 VDC, two (2) Class 2 outputs <sup>1</sup>	Dry and damp locations	-40° C to +60° C, natural convection cooling	IP54

### 24 VDC – Compatible with SloanLED 24 VDC products

Model	Part number	Dimensions	Nominal input voltage	Max. input current	Power output	Location rating	Operating temperature	Protection class
<b>24 VDC 100 W</b> <i>Dry, damp, and wet</i>	701895-24C	10.25 in × 1.73 in × 1.19 in (260 mm × 44 mm × 30 mm)	100-240 VAC, 50-60 Hz	2.0 A	100 W @ 24 VDC, Class 2 output <sup>1</sup>	Dry, damp, and wet locations	-30° C to +60° C	IP68
<b>24 VDC 100 W</b> <i>Dry and damp</i>	701936	9.45 in × 1.76 in × 1.1 in (240 mm × 43 mm × 28 mm)	120-277 VAC, 50-60 Hz	0.95 A @ 120 V, 0.40 A @ 277 V	100 W @ 24 VDC, Class 2 output <sup>1</sup>	Dry and damp locations	-40° C to +50° C	IP54 <sup>3</sup>
<b>Compact 24/40 W</b>	410175	6.40 in × 1.70 in × 1.26 in (163 mm × 43 mm × 32 mm)	100-277 VAC, 50-60 Hz	0.6 A	40 W @ 24 VDC, Class 2 output <sup>1</sup>	Dry and damp locations	-40° C to +60° C ambient (Derate to 80% of max load at +60°)	IP67

- 1 North America only.
- 2 3rd part independent testing:  
Approved thermal shock, approved underwater thermal cycling.
- 3 Nominally.

## Wire Gauge Distance Chart for Power Limited Tray Cable (PLTC)

When the distance increases between the secondary side of the power supply and the first LED in a letter or the beginning of a tubing run, the gauge or wire needed will change as follows:

### 24 VDC, 60W1, 60W2, Compact 24/40, MOD277, & MODW(E)

Distance from power supply	Wire gauge
0 ft (0 m) to 15 ft (4.6 m) 18 AWG (1 mm <sup>2</sup> ) + 5 ft (1.5 m) of 18 AWG (1 mm <sup>2</sup> )	18
15 ft (4.6 m) to 50 ft (15.2 m) 14 AWG (2.5 mm <sup>2</sup> ) + 5 ft (1.5 m) of 18 AWG (1 mm <sup>2</sup> )	14
50 ft (15.2 m) to 100 ft (30.5 m) 12 AWG (4 mm <sup>2</sup> ) + 5 ft (1.5 m) of 18 AWG (1 mm <sup>2</sup> )	12
100 ft (30.5 m) to 150 ft (45.7 m) 10 AWG (6 mm <sup>2</sup> ) + 5 ft (1.5 m) of 18 AWG (1 mm <sup>2</sup> )	10

NOTE: MODW(E), 60W1, 60W2, MOD277, and 701895 power supplies come from the factory with 5 ft (1.5 m) of 18 AWG (1 mm<sup>2</sup>) wire in place on the secondary side. 410175 power supply comes from the factory with 1 ft (0.3 m) of 18 AWG (1 mm<sup>2</sup>) wire in place on the secondary side.

### 60C1, 120D1, Compact 12/25, & Self-Contained 20

Distance from power supply	Wire gauge
0 to 15 ft (4.6 m) 18 AWG (1 mm <sup>2</sup> ) + 8 in (203 mm) of 18 AWG (1 mm <sup>2</sup> )	18
15 (4.6 m) to 50 ft (15.2 m) 14 AWG (2.5 mm <sup>2</sup> ) + 8 in (203 mm) of 18 AWG (1 mm <sup>2</sup> )	14
50 (15.2 m) to 120 ft (36.6 m) 12 AWG (4 mm <sup>2</sup> ) + 8 in (203 mm) of 18 AWG (1 mm <sup>2</sup> )	12
120 (36.6 m) to 150 ft (45.7 m) 10 AWG (6 mm <sup>2</sup> ) + 8 in (203 mm) of 18 AWG (1 mm <sup>2</sup> )	10

NOTE: 60C1, 120D1, Compact 12/25, and Self-Contained 20 power supplies come from the factory with 8 in (203 mm) of 18 AWG (1 mm<sup>2</sup>) wire in place on the secondary side.

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