

SloanLED Power Supplies

**12
VDC**

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
Self-Contained 20 W	701680	4.65 in × 1.38 in × 1.03 in	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
60C1 60 W[‡]	701507-60C1	5.60 in × 1.80 in × 1.30 in	100-277 VAC, 50-60 Hz	0.70 A	60 W @ 12 VDC, Class 2 output	Dry and damp locations	-40° C to +60° C, natural convection cooling	IP54
60C2 60 W[‡]	701507-60C2	6.26 in × 2.17 in × 1.30 in	100-277 VAC, 50-60 Hz	0.80 A	60 W @ 12 VDC, Class 2 output	Dry and damp locations	-40° C to +60° C, Derate to 50% of max load at +70° C	IP66
60C3 60 W[‡]	701507-60C3	5.80 in × 1.80 in × 1.00 in	120-277 VAC, 50-60 Hz	0.80 A	60 W @ 12 VDC, Class 2 output	Dry and damp locations	-40° C to +60° C, Derate to 50% of max load at +70° C	IP64
60C3D 60 W[‡] <i>Dimmable</i>	701507-60C3D	5.80 in × 1.80 in × 1.00 in	120-277 VAC, 50-60 Hz	0.80 A	60 W @ 12 VDC, Class 2 output	Dry and damp locations	-40° C to +60° C, Derate to 50% of max load at +70° C	IP64
60L1 60 W[‡]	701507-60L1	5.83 in × 1.80 in × 1.00 in	120-277 VAC, 50-60 Hz	0.60 A	60 W @ 12 VDC, Class 2 output	Dry and damp locations	-30° C to +60° C full load, derated up to 70° C with 50% of load	N/A
60W1 60 W[‡]	701507-60W1	10.40 in × 1.99 in × 1.45 in	100-277 VAC, 50-60 Hz	0.70 A	60 W @ 12 VDC, Class 2 output	Dry, damp, and wet locations	-40° C to +60° C	IP68
60W2 60 W[‡]	701507-60W2	10.55 in × 2.28 in × 1.98 in	100-277 VAC, 50-60 Hz	0.70 A	60 W @ 12 VDC, Class 2 output	Dry, damp, and wet locations	-40° C to +60° C, Derate to 50% of max load at +70° C	IP68
60W3 60 W[‡]	701507-60W3	9.76 in × 1.76 in × 1.36 in	100-277 VAC, 50-60 Hz	0.80 A	60 W @ 12 VDC, Class 2 output	Dry, damp, and wet locations	-40° C to +60° C, Derate to 50% of max load at +70° C	IP68
60W4 60 W[‡]	701507-60W4	8.07 in × 1.95 in × 1.30 in	120-277 VAC, 50-60 Hz	0.80 A	60 W @ 12 VDC, Class 2 output	Dry, damp, and wet locations	-40° C to +60° C, Derate to 50% of max load at +70° C	IP68
MOD277 60 W[‡]	701507-MOD277	10.50 in × 2.50 in × 1.50 in	277-347 VAC, 50-60 Hz	0.50 A	60 W @ 12 VDC, Class 2 output	Dry, damp, and wet locations	-40° C to +60° C	IP68
MODW 60 W[‡]	701507-MODW	9.0 in × 2.5 in × 1.5 in	100-240 VAC, 50-60 Hz	1.00 A	60 W @ 12 VDC, Class 2 output	Dry, damp, and wet locations	-40° C to +60° C	IP68
120D1 120 W[‡]	701507-120D1	9.6 in × 2.2 in × 1.7 in	100-277 VAC, 50-60 Hz	1.70 A	120 W @ 12 VDC, two (2) Class 2 outputs	Dry and damp locations	-40° C to +60° C, natural convection cooling	IP54

* Configured for Class 2 Output.

† 3rd part independent testing: Approved thermal shock, approved underwater thermal cycling.

‡ No longer available.

§ Compatible with 701507-60C1, 701507-120D1, and 701936.

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.

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:

Distance from power supply	Wire gauge
0 ft to 15 ft	18
15 ft to 50 ft	14
50 ft to 100 ft	12
100 ft to 150 ft	10

Power supply output lead length	
60C3(D) [‡] , 60W3 [‡] , 60W4 [‡]	12 in
60W1, 60W2 [‡] , MOD277 [‡] , & MODW [‡]	5 ft
60C1 [‡] , 60C2 [‡] , 120D1 [‡] , and Compact 12/25	8 in

Accessories



Universal Primary Wire Enclosure[§]

Gen 1 402218



Gen 2 403008



Universal Dimming Controller
701666



SloanLED[®]
A Principal Industries Company

SloanLED Power Supplies

**24
VDC**

Specifications

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
60S1 60 W	701895-60S1	5.80 in × 1.80 in × 1.00 in	120-277 VAC, 50-60 Hz	0.8 A	60 W @ 24 VDC, Class 2 output	Dry and damp locations	-55° C to +60° C, derate to 50% of max load at +70° C	IP64
60S1D 60 W <i>Dimmable</i>	701895-60S1D	5.80 in × 1.80 in × 1.00 in	120-277 VAC, 50-60 Hz	0.8 A	60 W @ 24 VDC, Class 2 output	Dry and damp locations	-55° C to +60° C, derate to 50% of max load at +70° C	IP64
100 W Power Supply	701936	9.50 in × 1.70 in × 1.10 in	120-277 VAC, 50-60 Hz	0.95 A	100 W @ 24 VDC, Class 2 output	Dry and damp locations	-40° C to +55° C	N/A
100L1 100 W	701895-100L1	9.50 in × 1.70 in × 1.00 in	120-277 VAC, 50-60 Hz	0.95 A	100 W @ 24 VDC, Class 2 output	Dry and damp locations	-40° C to +60° C, derate to 50% of max load at +60° C	IP54
100L1D 100 W <i>Dimmable</i>	701895-100L1D	9.50 in × 1.70 in × 1.00 in	120-277 VAC, 50-60 Hz	0.95 A	100 W @ 24 VDC, Class 2 output	Dry and damp locations	-40° C to +60° C, derate to 50% of max load at +60° C	IP54
24 VDC 100 W[‡] <i>Dry, damp, and wet</i>	701895-24C	10.25 in × 1.73 in × 1.19 in	100-240 VAC, 50-60 Hz	2.0 A	100 W @ 24 VDC, Class 2 output	Dry, damp, and wet locations	-30° C to +60° C	IP68
24 VDC 100 W[‡] <i>Dry, damp, and wet</i>	701895-24C1	9.29 in × 2.44 in × 1.55 in	100-277 VAC, 50-60 Hz	1.4 A	100 W @ 24 VDC, Class 2 output	Dry, damp, and wet locations	-40° C to +60° C, derate to 50% of max load at +70° C	IP68
24S1 100 W[‡]	701895-24S1	7.60 in × 2.48 in × 1.59 in	100-277 VAC, 50-60 Hz	1.4 A	96 W @ 24 VDC, Class 2 output	Dry and damp locations	-40° C to +60° C	IP64
24S2 100 W	701895-24S2	8.60 in × 1.73 in × 1.14 in	120-277 VAC, 50-60 Hz	1.2 A	96 W @ 24 VDC, Class 2 output	Dry and damp locations	-40° C to +60° C, derate to 50% of max load at +65° C	IP54
24S2D 100 W <i>Dimmable</i>	701895-24S2D	8.60 in × 1.73 in × 1.14 in	120-277 VAC, 50-60 Hz	1.2 A	96 W @ 24 VDC, Class 2 output	Dry and damp locations	-40° C to +60° C, derate to 50% of max load at +65° C	IP54
300T1 300 W[‡]	701895-300T1	15.30 in × 5.12 in × 1.50 in	100-277 VAC, 50-60 Hz	4.0 A	3 x 96 W @ 24 VDC, Class 2 output	Dry and damp locations	-40° C to +60° C, derate to 50% of max load at +70° C	IP54

* Configured for Class 2 Output.

‡ No longer available.

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.

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:

Distance from power supply	Wire gauge	Power supply output lead length	
0 ft to 15 ft	18	24C [‡] , 24C1 [‡]	20 in
15 ft to 50 ft	14	24S1 [‡] , 24S2(D)	18 in
50 ft to 100 ft	12	60S1(D), 100L1(D)	12 in
100 ft to 150 ft	10	300T1 [‡]	18 in

Accessories



**Universal
Dimming Controller**
701666



SloanLED®
A Principal Industries Company

SloanLED Power Supplies

Safety and compliance

12 VDC



24 VDC



SloanLED Headquarters

5725 Olivas Park Drive, Ventura, CA, USA
805.676.3200 • info@SloanLED.com

SloanLED Europe b.v.

Argonstraat 110, 2718 SN Zoetermeer, NL
+31 88 12 44 900 • europe@SloanLED.com



SloanLED.com

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Specifications subject to change without notice.



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