

Power Supply Capacity

Maximum number of modules – based on 90% of rated capacity

Channel Letter Products – 12 VDC

Item description (Part number)	Power output	SloanLED Prism, 6500 K (1/ft)	SloanLED Prism, 7100 K, 6500 K (1.5/ft), 5700 K, 5000 K, 4000 K, 3000 K	SloanLED Prism Mini (6500 K)	SloanLED Prism HO (6500 K)	SloanLED Prism, Red (2/ft)	SloanLED Prism, Red (1.5/ft), Orange, Yellow, Green, Blue	VL Plus 2 Long White	VL Plus 2 Short Whites, HB	VL Plus 2 Mini White
Modules per foot		1	1.5	2.25	0.8	2	1.5	2	2.5	4
Self-Contained 20 W [701680]	20 W	16 ft / 16 Mods	10.7 ft / 16 Mods	17.8 ft / 40 Mods	12.5 ft / 10 Mods	12.5 ft / 25 Mods	16.7 ft / 25 Mods	16.7 ft / 33 Mods	13.3 ft / 33 Mods	10.5 ft / 42 Mods
Compact 12/25 W [410174]	25 W	20 ft / 20 Mods	13.3 ft / 20 Mods	22.2 ft / 50 Mods	16.3 ft / 13 Mods	15.5 ft / 31 Mods	20.7 ft / 31 Mods	21 ft / 42 Mods	17 ft / 42 Mods	13 ft / 54 Mods
60C1 60 W [701507-60C1] 60W1 60 W [701507-60W1] MODW(E) 60 W [701507-MODW(E)] MOD277 60 W [701507-MOD277]	60 W	48 ft / 48 Mods	32 ft / 48 Mods	53.3 ft / 120 Mods	40.0 ft / 32 Mods	37.5 ft / 75 Mods	50 ft / 75 Mods	50 ft / 100 Mods	40 ft / 100 Mods	32 ft / 128 Mods
120D1 120 W [701507-120D1]	120 W	2 × 96 ft / 48 Mods	2 × 64 ft / 48 Mods	2 × 53.3 ft / 120 Mods	2 × 80 ft / 48 Mods	2 × 75 ft / 75 Mods	2 × 100 ft / 75 Mods	2 × 100 ft / 100 Mods	2 × 80 ft / 100 Mods	2 × 64 ft / 128 Mods
Watts per module		1.12	1.12	0.46	1.68	0.72	0.72	0.54	0.54	0.42

Item description (Part number)	Power output	V180 Large	V180 Standard	V180 Mini	V180 HB Mini	VL Plus Long Red	VL Plus Short Red, Yellow, Orange	VL Plus Short Blue, Green	SloanLED SE	BendLUX
Modules per foot		2	2.5	2.5	2	2	2.5	2.5	2.5	2 ft strips
Self-Contained 20 W [701680]	20 W	7.5 ft / 15 Mods	12.8 ft / 32 Mods	22.8 ft / 57 Mods	15 ft / 30 Mods	25 ft / 50 Mods	24.8 ft / 62 Mods	20 ft / 50 Mods	16.8 ft / 42 Mods	8 ft / 4 Strips
Compact 12/25 W [410174]	25 W	9.4 ft / 19 Mods	16 ft / 41 Mods	29 ft / 73 Mods	19 ft / 38 Mods	31.3 ft / 63 Mods	31 ft / 78 Mods	25 ft / 63 Mods	21 ft / 53 Mods	10.4 ft / 5 Strips
60C1 60 W [701507-60C1] 60W1 60 W [701507-60W1] MODW(E) 60 W [701507-MODW(E)] MOD277 60 W [701507-MOD277]	60 W	22.5 ft / 45 Mods	39.2 ft / 98 Mods	69.2 ft / 173 Mods	46 ft / 92 Mods	75 ft / 150 Mods	74.8 ft / 187 Mods	60 ft / 150 Mods	50 ft / 125 Mods	25 ft / 12.5 Strips
120D1 120 W [701507-120D1]	120 W	2 × 45 ft / 45 Mods	2 × 78.4 ft / 98 Mods	2 × 138.4 ft / 173 Mods	2 × 92 ft / 92 Mods	2 × 150 ft / 150 Mods	2 × 149.6 ft / 187 Mods	2 × 120 ft / 150 Mods	2 × 100 ft / 125 Mods	2 × 50 ft / 12.5 Strips
Watts per module		1.20	0.55	0.31	0.59	0.36	0.29	0.36	0.43	4.2 W per strip

Cabinet/Box Products – 12 VDC

Item description (Part number)	Power output	PosterBOX Slim 2	PosterBOX Slim	PosterBOX	SignBOX II Single-sided	SignBOX II Double-sided
Modules per foot		2	2	N/A*	3	3
Self-Contained 20 W [701680]	20 W	5 ft / 10 Mods	6 ft / 12 Mods	2 Mods	6.6 ft / 20 Mods	3.3 ft / 10 Mods
Compact 12/25 W [410174]	25 W	6.3 ft / 12 Mods	7.9 ft / 16 Mods	3 Mods	8.3 ft / 25 Mods	4.2 ft / 13 Mods
60C1 60 W [701507-60C1] 60W1 60 W [701507-60W1] MODW(E) 60 W [701507-MODW(E)] MOD277 60 W [701507-MOD277]	60 W	15 ft / 30 Mods	19 ft / 38 Mods	8 Mods	20 ft / 60 Mods	10 ft / 30 Mods
120D1 120 W [701507-120D1]	120 W	30 ft (30 Mods × 2)	38 ft (38 Mods × 2)	8 Mods × 2	40 ft (60 Mods × 2)	20 ft (30 Mods × 2)
Watts per module		1.80	1.38	6.70	0.90	1.80

SlimLINER, ColorLINE, and FlexiBRITE – 12 VDC

Item description (Part number)	Power output	SlimLINER	FlexiBRITE all colors	ColorLINE all colors
		Fixtures	Maximum feet	
Self-Contained 20 W [701680]	20 W	2	6	8
Compact 12/25 W [410174]	25 W	2	8	10
60C1 60 W [701507-60C1] 60W1 60 W [701507-60W1] MODW(E) 60 W [701507-MODW(E)] MOD277 60 W [701507-MOD277]	60 W	6	20	24
120D1 120 W [701507-120D1]	120 W	6 × 2	20 × 2	24 × 2
Power used per foot in Watts		9.02 W per fixture	2.80	2.30

* Contact customer service for additional details.

PosterBOX 3, SignBOX RapidStick, HighLINER 2, and LEDStripe – 24 VDC

Item description (Part number)	Power output	PosterBOX 3 Short	PosterBOX 3 Long	SignBOX RapidStick												HighLINER 2	LEDStripe 24 VDC all colors [†]
				18 in	24 in	30 in	36 in	42 in	48 in	60 in	64 in	72 in	84 in	96 in	120 in		
24 VDC Power Supply [701895-24C]	100 W	10 ft / 6 Mods [§]	10 ft / 6 Mods [§]	12 Lamps	10 Lamps	7 Lamps	6 Lamps	4 Lamps	4 Lamps	3 Lamps	3 Lamps	3 Lamps	2 Lamps	2 Lamps	2 Lamps	24 ft	60 ft
Watts per assembly		7.2	14.0	6.6	8.1	11.1	13.4	17.6	19.1	25.7	27.2	27.7	36.8	41.2	41.4	3.6 W/ft	1.5 W/ft

§ Any combination thereof not to exceed power rating of power supply.

† Footages expressed are total (maximum 30 ft per leg). Power Output is based on Power Supply loading of two parallel 30 ft legs. Actual power draw may depend on loading configuration.

NOTE: When mixing modules of different sizes/colors or various products on the same power supply, simply add all the power requirements for the respective footages of each product. Then choose appropriate power supplies to provide adequate power output. The actual number of power supplies needed may vary based on how the materials are distributed across the project. © 2017 SloanLED Rev P 2017-03-09