

# 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 (3.3/m)	SloanLED Prism, 7100 K, 6500 K (4.9/m), 5700 K, 5000 K, 4000 K, 3000 K	SloanLED Prism Mini	SloanLED Prism HO	SloanLED Prism, Red (6.6/m)	SloanLED Prism, Red (4.9/m), Orange, Yellow, Green, Blue	VL Plus 2 Long White	VL Plus 2 Short Whites, HB	VL Plus 2 Mini White
<b>Modules per meter</b>		3.3	4.9	7.4	2.6	6.6	4.9	6.5	8	13
Self-Contained 20 W [701680]	20 W	16 Mods	16 Mods	40 Mods	10 Mods	25 Mods	25 Mods	33 Mods	33 Mods	42 Mods
Compact 12/25 W [410174]	25 W	20 Mods	20 Mods	50 Mods	13 Mods	31 Mods	31 Mods	42 Mods	42 Mods	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 Mods	48 Mods	120 Mods	32 Mods	75 Mods	75 Mods	100 Mods	100 Mods	128 Mods
120D1 120 W [701507-120D1]	120 W	2 × 48 Mods	2 × 48 Mods	2 × 120 Mods	2 × 32 Mods	2 × 75 Mods	2 × 75 Mods	2 × 100 Mods	2 × 100 Mods	2 × 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
<b>Modules per meter</b>		6.5	8	8	6.5	6.5	8	8	8.2	610 mm strips
Self-Contained 20 W [701680]	20 W	15 Mods	32 Mods	57 Mods	30 Mods	50 Mods	62 Mods	50 Mods	42 Mods	4 Strips
Compact 12/25 W [410174]	25 W	19 Mods	41 Mods	73 Mods	38 Mods	63 Mods	78 Mods	63 Mods	53 Mods	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	45 Mods	98 Mods	173 Mods	92 Mods	150 Mods	187 Mods	150 Mods	125 Mods	12.5 Strips
120D1 120 W [701507-120D1]	120 W	2 × 45 Mods	2 × 98 Mods	2 × 173 Mods	2 × 92 Mods	2 × 150 Mods	2 × 187 Mods	2 × 150 Mods	2 × 125 Mods	2 × 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
<b>Modules per meter</b>		6.5	6.5	N/A*	10	10
Self-Contained 20 W [701680]	20 W	10 Mods	12 Mods	2 Mods	20 Mods	10 Mods
Compact 12/25 W [410174]	25 W	12 Mods	16 Mods	3 Mods	25 Mods	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	30 Mods	38 Mods	8 Mods	60 Mods	30 Mods
120D1 120 W [701507-120D1]	120 W	30 Mods × 2	38 Mods × 2	8 Mods × 2	60 Mods × 2	30 Mods × 2
Watts per module		1.80	1.38	6.70	0.90	1.80

\* Contact customer service for additional details.

## SlimLINER, ColorLINE, and FlexiBRITE – 12 VDC

Item description (Part number)	Power output	SlimLINER	FlexiBRITE all colors	ColorLINE all colors
		Fixtures	Maximum meters	
Self-Contained 20 W [701680]	20 W	2	2	2.4
Compact 12/25 W [410174]	25 W	2	2.44	3
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	6	7.3
120D1 120 W [701507-120D1]	120 W	6 × 2	6 × 2	7.3 × 2
Power used per meter in Watts		7.70 (9.0 W per fixture)	9.2	7.5

## 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 <sup>†</sup>
				0.46 m	0.61 m	0.76 m	0.91 m	1.07 m	1.22 m	1.52 m	1.63 m	1.83 m	2.13 m	2.44 m	3.05 m		
				Maximum													
24 VDC Power Supply [701895-24C]	100 W	3 m/6 Mods <sup>§</sup>	3 m/6 Mods <sup>§</sup>	12 Lamps	10 Lamps	7 Lamps	6 Lamps	4 Lamps	4 Lamps	3 Lamps	3 Lamps	3 Lamps	2 Lamps	2 Lamps	2 Lamps	7 m	18 m
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	11.8 W/m	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 meterages 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 0 2017-03-09