

Lighting Ballast Sizing Guidelines

Smart Driver[™] Lighting Ballasts are designed to illuminate specific surface areas. Light Tape[®] will achieve maximum performance and lifetime by selecting the appropriate ballast to supply power to the application. All you need to do is determine the total surface area of Light Tape[®] that you are using for your installation. Refer to the following Quick Guide to determine which power supply is suitable.

We recommend when operating multiple segments off one Smart Driver[™] that the shortest segment is 50% of the minimum rated load. For instance, the SD-4000 recommended operating range is 2000 to 4000 square inches. Therefore, the 50% threshold for the shortest segment would be 1000 square inches. If one segment of the installation goes out, please balance the load. Prolonged use with an unbalanced load may result in failure at connection.

Smart Driver[™] Quick Guide (English: Square Inches / Metric: Square Centimeters)

Width: Inches/Centimeters

		0.25"/0.635 cm	0.5"/1.27 cm	1"/2.54 cm	1.5"/3.8 cm	2"/5.08 cm	3"/7.52 cm	4"/10.16 cm	6"/15.24 cm
Length: Feet/ Meters	10'/3m	30/194	60/387	120/774	180/1161	240/1548	360/2323	480/3097	720/4645
	20'/6m	60/197	120/774	240/1548	360/2323	480/3097	720/4645	960/6194	1440/9290
	30'/9m	90/581	180/1161	360/2323	480/3484	720/4645	1080/6968	1440/9290	2160/13935
	40'/12m	120/774	240/1548	480/3097	720/4645	960/6194	1440/9290	1920/12387	2880/18581
	50'/15m	150/968	300/1935	600/3871	900/5806	1200/7742	1880/11613	2400/15484	3600/23226
	60'/18m	180/1161	360/2323	720/4645	1080/6968	1440/9290	2160/13935	2880/18581	4320/27871
	70'/21m	210/1355	420/2710	840/5419	1260/8129	1680/10839	2520/16258	3360/21677	5040/32516
	80'/24m	240/1548	480/3097	960/6194	1440/9290	1920/12387	2880/18581	3840/24744	5760/37161
	90'/27m	270/1742	540/3484	1080/6968	1620/10452	2160/13935	3240/20903	4320/27871	6480/41806
	100'/30m	300/1935	600/3871	1200/7742	1800/11613	2400/15484	3600/23226	4800/30968	7200/46452
	125'/38m	375/2419	750/4839	1500/9677	2250/14516	3000/19355	4500/29032	6000/38710	9000/58064
	150'/45m	450/2309	900/5806	1800/11613	2400/17419	3600/23266	5400/34839	7200/46452	10800/69677
	175'/53m	525/3387	1050/6774	2100/13548	3150/20323	4200/27097	6300/40645	8400/54193	12600/81290
	200'/61m	600/3871	1200/7742	2400/15484	3600/23226	4800/30968	7200/46452	9600/61935	14400/92903
	225'/70m	675/4355	1350/8710	2700/17419	4050/26129	5400/34839	8100/52258	10800/69677	16200/104516
	250'/76m	750/4839	1500/9677	3000/19355	4500/29032	6000/38710	9000/58064	12000/77419	18000/116129
	275'/84m	825/5323	1650/10645	3300/21290	4950/31935	6600/42581	9900/63871	13200/85161	19800/127742
	300'/94m	900/5806	1800/11613	3600/23226	5400/34839	7200/46452	10800/69677	14400/92903	21600/139355

Recommended Ballast
per Range:

Light Blue
Yellow
Blue

PS-SD-150
PS-SD-400
PS-SD-1000

Green
Orange

PS-SD-2000
PS-SD-4000

Red
Grey

PS-SD-8000
Over range for one ballast