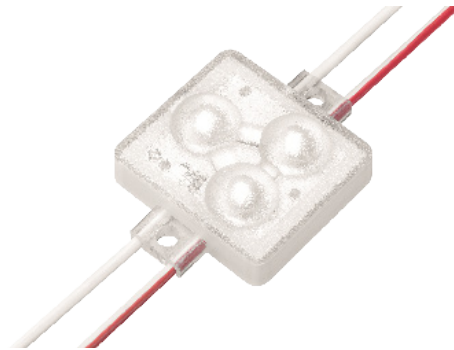




PRO SERIES — With VersaLens[®] advanced optics, SignRayz PRO LED modules features batwing beam patterns that enable large light coverage per module and significantly reduce the number of modules per sign. These technologies allow for the lowest energy consumption and the lowest LED system cost in the market, reducing installation cost to sign makers and end-users

Applications:

- Box Signs (shallow to deep)
- Large Channel Letters



12V DC



5 YEAR LIMITED WARRANTY



AVAILABLE IN EUROPE ONLY



MADE IN EUROPE



ONEWhite[®] COLOR CONSISTENCY



VERSALENS[®] ADVANCED OPTICS



CAPZUL[®] WATERPROOF



CONSTANT CURRENT



UV RESISTANT



50,000 HRS L70 LIFETIME

UL[®] US CE IP68 LM-79 LM-80
UL[®] LISTED RoHS

ORDERING GUIDE

Part Number	White Color Temp.	Module Spacing (mm)	Number of Modules		Nominal Light Output (lm)*		
			Per Foot	Per Meter	Per Module	Per Foot	Per Meter
LS-PXTR-75K-P1-250A	7500K	250	1.22	4	115	140	460
LS-PXTR-65K-P1-250A	6500K	250	1.22	4	115	140	460
LS-PXTR-40K-P1-250A	4000K	250	1.22	4	106	129	424
LS-PXTR-30K-P1-250A	3000K	250	1.22	4	97	118	388

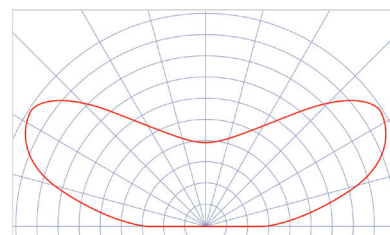
* ± 10%

PRODUCT RATINGS

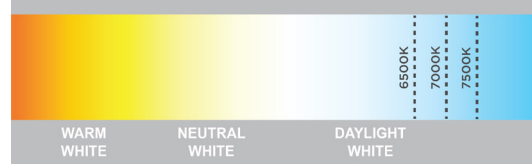
Luminous Efficacy	113 lm/W @ 6500K
Wattage per Module	1.02 W Nominal 1.07 W Maximum
Input Voltage	12 V DC
Input Current	0.085 A/ module
Power Supply Loading	54 modules per 60 W
Ingress Protection	IP68
Operating Temperature	-40° - +140° F (-40° - +60° C)
L70 Lifetime @ 60° C	50,000 Hours
Warranty	5 Year Limited Warranty

LUMINOUS INTENSITY DISTRIBUTION

P1 Batwing Beam Pattern



WHITE COLOR TEMPERATURE SCALE



MODULE DIMENSIONS

Part Number	Length (in/mm)	Width (in/mm)	Height (in/mm)
LS-PXTR-xxx-P1-250A	1.63/41.5	1.27/32.3	0.47/11.1

REV: 29MAY2019
Data sheet subject to change without notice.



POWER SUPPLY LOADING

Module Type	LS-PXTR-xxx-P1-250A			
	Power Supply (wired in Parallel Strings)	Max. # of Modules Per String	Total # of Modules	Total # of Feet
12 W	11	11	9.0	2.8
15 W	13	13	10.7	3.3
35 W	32	32	26.2	8.0
60W	52	54	44.3	13.5
100W	52	88	72.2	22.0
150W	52	132	108.3	33.0
180W	52	159	130.4	39.8
220W	52	195	159.9	48.8

- 12W, 15W, 35W and 60W are UL rated Class 2 Power Output.
- 100W, 150W, 180W, 220W are UL rated Class 1 Power Output.
- The number of modules in each of the parallel strings should not exceed the specified maximum.

LED MODULE TO POWER SUPPLY WIRE SIZE

Wire Size	Maximum Distance*		
	Gauge (AWG)	Metric (mm ²)	Feet
26	0.13	3	0.9
24	0.21	4	1.2
22	0.33	7	2.1
20	0.52	11	3.4
18	0.82	18	5.5
16	1.31	29	8.8
14	2.08	45	13.7
12	3.31	71	21.6
10	5.26	120	36.6

*Distance from 60W power supply to 100% load

LAYOUT GUIDE*

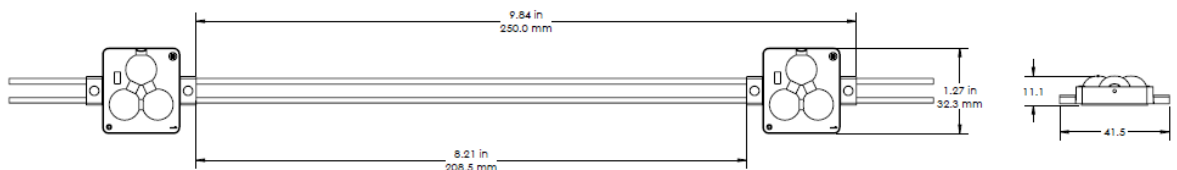
Channel Depth (in.)	Single Row		Multiple Rows		Channel Depth (mm)	Single Row		Multiple Rows	
	Max. Stroke	Module Spacing	Row Spacing	Module Spacing		Max. Stroke	Module Spacing	Row Spacing	Module Spacing
4	10	8	8	8	100	250	200	200	200
5	12	10	10	10	125	300	250	250	250
6	14	10	12	10	150	350	250	300	250
7	13	10	14	10	175	325	250	350	250
8	12	10	13	10	200	300	250	325	250

*Module spacing is defined to achieve minimum 600 lux at sign face (7328 white)
** Modules are staggered

SHIPPING INFORMATION

Module Type	Specs	Packaging Quantity			Carton Weight	Box Dimensions			Carton Dimensions			
		Per Bag	Per Box	Per Carton		W	D	H	W	D	H	
LS-PXTR-xxx-P1-250A	Modules	50	250	1000	68.3 lb 31.0 kg	10.4	22.8	4.5	19.9	23.6	11.4	inch
	Feet	41	205	820								
	Meters	12.5	62.5	250								

DIMENSION DRAWING



1. UL ONLY - These products are only suitable for connection to a UL rated Class 2 power source rated 12 Volt or less.
2. UL ONLY - These products are intended for use only when connected to a power source that complies with UL rated Class 2 voltage and energy limited circuit.
3. UL ONLY - When these units are connected to a UL rated Class 2 circuit, they are not to draw a total wattage of greater than the secondary or output rating of the UL rated Class 2 power supply.
4. These products may be secured in place in the end product by any means available.
5. These products are suitable for use in dry, damp, and wet locations. Not suitable for submersed applications.