



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:

- Channel Letters
- Box Signs
- Cloud Signs
- Accent Lighting



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.	CRI	Module Spacing (mm)	Number of Modules		Nominal Light Output (lm)*		
				Per Foot	Per Meter	Per Module	Per Foot	Per Meter
LS-PRLT-75K-P1-200A	7500K	Typ. 75	200	1.524	5	80	122	400
LS-PRLT-70K-P1-200A	7000K	Typ. 87	200	1.524	5	75	114	375
LS-PRLT-65K-P1-200A	6500K	Typ. 75	200	1.524	5	80	122	400

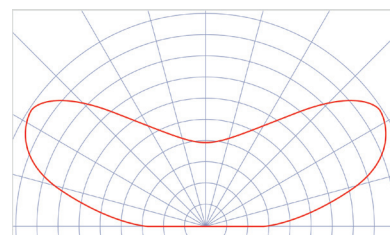
* ± 10%

PRODUCT RATINGS

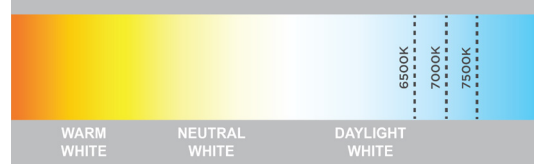
Luminous Efficacy	111 lm/W @ 6500K
Wattage per Module	0.72 W Nominal 0.76 W Maximum
Input Voltage	12 V DC
Input Current	0.060 A/ module
Power Supply Loading	77 modules per 60 W
Ingress Protection	IP68
Operating Temperature	-40° - +140° F (-40° - +60° C)
L70 Lifetime @ 60° C	50,000 Hours
Warranty	5 Year 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-PRLT-xxx-P1-200A	1.89/48.0	0.47/12.0	0.37/9.5

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



POWER SUPPLY LOADING

LED MODULE TO POWER SUPPLY WIRE SIZE

Module Type	LS-PRLT-xxx-P1-200A				Wire Size		Maximum Distance*	
	Power Supply (wired in Parallel Strings)	Max. # of Modules Per String	Total # of Modules	Total # of Feet	Total # of Meters	Gauge (AWG)	Metric (mm ²)	Feet
12 W	15	15	9.8	3.0	26	0.13	3	0.9
15 W	19	19	12.5	3.8	24	0.21	4	1.2
35 W	45	45	29.5	9.0	22	0.33	7	2.1
60W	72	77	50.5	15.4	20	0.52	11	3.4
100W	72	125	82.0	25.0	18	0.82	18	5.5
150W	72	188	123.4	37.6	16	1.31	29	8.8
180W	72	225	147.6	45.0	14	2.08	45	13.7
220W	72	275	180.4	55.0	12	3.31	71	21.6
					10	5.26	120	36.6

- 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.

*Distance from 60W power supply to 100% load

LAYOUT GUIDE*

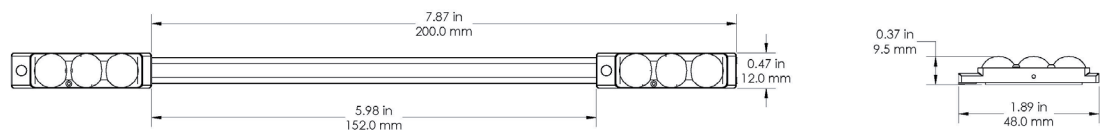
Channel Depth (in.)	Single Row		Multiple Rows		Channel Depth (mm)	Single Row		Multiple Rows	
	Max. Stroke	Module Spacing	Row Spacing	Module Spacing		Max. Stroke	Module Spacing	Row Spacing	Module Spacing
2	5.5	3.75	2.75**	3.5**	50	140	95	70**	85*
3	8	6	4.5**	5**	75	200	150	115**	125*
4	10	8	6.5	7	100	250	200	165	175
5	10	8	8	8	125	250	200	200	200
6	9	8	10	8	150	225	200	250	200

*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-PRLT-xxx-P1-200A	Modules	100	500	2000	46.1 lb 20.9 kg	22.1	10.6	4.5	31.0	23.1	9.9	inch						
	Feet	65.6	328.1	1312.3								560	270	115	788	588	252	mm
	Meters	20	100	400														

DIMENSION DRAWING



NOTES: WIRE IS 18 AWG / 0.82 mm² RED STRIPE(+), WHITE (-)



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.