



PRO SERIES - With VersaLens[®] advanced optics, SignRayz PRO LED Modules feature batwing beam patterns that enable large light coverage areas per module and significantly reduce the number of modules per sign. These technologies allow for reduced installation cost to sign makers and end-users.



Applications:

- Wide stroke channel letters
- Shallow to deep box signs
- Small to large cloud signs
- Cabinet signs
- Accent lighting



12V DC



5 YEAR LIMITED WARRANTY



ONEWhite[®] COLOR CONSISTENCY



VERSALENZ[®] ADVANCED OPTICS



CAPZUL[®] WATERPROOF



CONSTANT CURRENT



UV RESISTANT



50,000 HRS L70 LIFETIME

ORDERING GUIDE

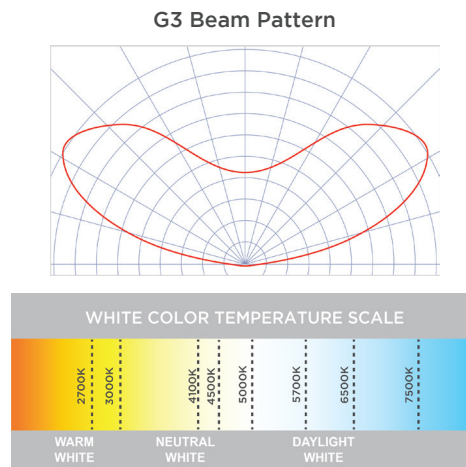
Part Number	White Color Temp.	Module Spacing (mm)	Number of Modules		Nominal Light Output (lm)*		
			Per Foot	Per Meter	Per Module	Per Foot	Per Meter
LS-PRO215-ASW-2G3C	7500K	168	2	6	117	234	702
LS-PRO215-65K-2G3C	6500K	168	2	6	118	236	708
LS-PRO215-57K-2G3C	5700K	168	2	6	117	234	702
LS-PRO215-50K-2G3C	5000K	168	2	6	117	234	702
LS-PRO215-45K-2G3C	4500K	168	2	6	106	212	636
LS-PRO215-41K-2G3C	4100K	168	2	6	106	212	636
LS-PRO215-30K-2G3C	3000K	168	2	6	106	212	636
LS-PRO215-27K-2G3C	2700K	168	2	6	98	196	588

* ± 10%

PRODUCT RATINGS

Luminous Efficacy	111 lm/W @ 6500K
Wattage per Module	1.06 W Nominal 1.11 W Maximum
Input Voltage	12 V DC
Input Current	0.088 A/ module
Power Supply Loading	52 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



MODULE DIMENSIONS

Part Number	Length (in/mm)	Width (in/mm)	Height (in/mm)
LS-PRO215-xxx-2G3C	3.34/84.8	0.80/20.3	0.47/12.0

REV: 30MAY2019
Data sheet subject to change without notice.



POWER SUPPLY LOADING

Module Type	LS-PRO215-xxx-2G3C				
	Power Supply (wired in Parallel Strings)	Max. # of Modules Per String	Total # of Modules	Total # of Feet	Total # of Meters
CLASS 2	12 W	10	10	5.0	1.7
	15 W	13	13	6.5	2.2
	35 W	30	30	15.0	5.0
	60W	52	52	26.0	8.7
	180W**	52	156	78	26.1
CLASS 1	100W	52	85	42.5	14.2
	150W	52	128	64.0	21.3
	180W	52	153	76.5	25.5
	220W	52	186	93.0	31.0

The number of modules in each of the parallel strings should not exceed the specified maximum.
** 3 - 60 watt channels

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	12.7
12	3.31	71	21.6
10	5.26	120	36.6

LAYOUT GUIDE*

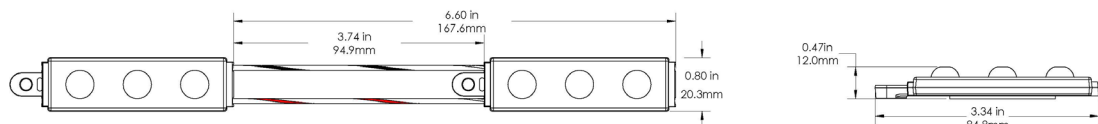
Channel Depth (in.)	Single Row		Multiple Rows		Channel Depth (mm)	Single Row		Multiple Rows	
	Max. Stroke	Module Spacing	Row Spacing	Module Spacing		Max. Stroke	Module Spacing	Row Spacing	Module Spacing
3	8	6	6	6	75	203	152	152	152
4	11	6.6	8.5	6.6	100	279	168	216	168
5	14	6.6	11	6.6	125	356	168	279	168
6	17	6.6	13.5	6.6	150	432	168	343	168
7	20	6.6	16	6.6	180	508	168	406	168
8	22	6.6	18.5	6.6	200	559	168	470	168

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

SHIPPING INFORMATION

Module Type	Specs	Packaging Quantity			Carton Weight	Box Dimensions			Carton Dimensions			inch
		Per Bag	Per Box	Per Carton		W	D	H	W	D	H	
LS-PRO215-xxx-2G3C	Modules	40	200	1000	45.5 lbs 20.6 kg	18.9	10.4	3.7	20.7	19.3	11.4	mm
	Feet	20.0	100.0	500.0								
	Meters	6.7	33.5	167.6								

DIMENSION DRAWING



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



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.