

# SIGNRAYZ® COLOR



RR, OR, YE



TR, GR, BL

## Features and Benefits

- Batwing beam pattern to increase light coverage
- Waterproof IP68 rating
- UL certified for use in wet, damp and dry locations
- UV resistant, suitable for direct sun exposure
- Operating temperature range from -40°C to +60°C (-40°F to +140°F)
- Constant current driven LEDs
- No UV or IR emission
- Complies with FCC Title 47, Part 15, Subpart B for Class A digital devices
- 5-year limited warranty

## Applications

- Channel Letters
- Cove Lighting
- Accent Lighting



## Ordering Information

Ordering Code	LED Color	Wire Color	Wavelength	Input Voltage	Nominal Current	Max. Wattage per Module*	Number of Modules		Nominal Light Output (lm)**		
							per Foot	per Meter	per Module	per Foot	per Meter
LS-COLOR-RR-G2	Ruby Red	Purple	633 nm	12 V	0.040 A	0.5 W	2	6.56	10	20	66
LS-COLOR-TR-G2	True Red	Red	625 nm	12 V	0.040 A	0.5 W	2	6.56	15.5	31	102
LS-COLOR-OR-G2	Orange	Orange	606 nm	12 V	0.055 A	0.69 W	2	6.56	13.5	27	89
LS-COLOR-YE-G2	Yellow	Yellow	590 nm	12 V	0.055 A	0.69 W	2	6.56	13	26	85
LS-COLOR-GR-G2	Green	Green	526 nm	12 V	0.035 A	0.48 W	2	6.56	30	60	197
LS-COLOR-BL-G2	Blue	Blue	467 nm	12 V	0.040 A	0.5 W	2	6.56	10	20	66
LS-CLR3-RR-G2	Ruby Red	Purple	633 nm	12 V	0.040 A	0.5 W	3	9.84	10	30	98
LS-CLR3-YE-G2	Yellow	Yellow	590 nm	12 V	0.055 A	0.69 W	3	9.84	13	39	128

\*Nominal (RR, TR, BL) 0.48W;  
 Nominal (GR) 0.42W;  
 Nominal (OR, YE) 0.66W

\*\*±10%

## Ordering Guide

LED Sign	Model	LED Color	Beam Angle
LS	-COLOR	-TR	-G2
		True Red	G2: batwing

## Shipping Information

Model	Tray Quantity	Box Quantity	Case Quantity	Case Weight (lb)	Box Dimensions (in)			Case Dimensions (in)		
					W	D	H	W	D	H
LS-COLOR-XX-G2	50 module	200 module	1000 module	43 (lb)	19.7"	11.5"	4.7"	25.2"	20.5"	12.2"
	25 (ft)	100 (ft)	500 (ft)							
	7.6 (m)	30.5 (m)	152.4 (m)	20 (kg)	500 mm	292 mm	120 mm	640 mm	520 mm	310 mm
LS-CLR3-XX-G2	75 module	300 module	1500 module	48 (lb)	19.4"	11.4"	5.5"	27.9"	20.3"	13.3"
	25 (ft)	100 (ft)	500 (ft)							
	7.6 (m)	30.5 (m)	152.4 (m)	22 (kg)	493 mm	290 mm	140 mm	709 mm	516 mm	338 mm

## Population Density Guide<sup>1</sup>

Single Row	True Red*	Blue**	Green**	Ruby Red, Orange, Yellow
Channel Depth (inch/mm)	Max. Stroke (inch/mm)	Max. Stroke (inch/mm)	Max. Stroke (inch/mm)	Max. Stroke (inch/mm)
3 / 75	7.5 / 190	6 / 150	8 / 200	***
4 / 100	8 / 200	8 / 200	10 / 250	***
5 / 125	9 / 230	10 / 250	12 / 300	8 / 200
6 / 150	11 / 280	12 / 300	12 / 300	9 / 230
7 / 180	10 / 250	12 / 300	11 / 280	10 / 250

\* 2793 Plex \*\* 7328 Plex \*\*\*Contact sales associate

Multiple Rows	True Red*	Blue**	Green**	Ruby Red, Orange, Yellow
Channel Depth (inch/mm)	Row Spacing (inch/mm)	Row Spacing (inch/mm)	Row Spacing (inch/mm)	Row Spacing (inch/mm)
3 / 75	6 / 190	5 / 125	6 / 150	***
4 / 100	7 / 180	8 / 200	8 / 200	***
5 / 125	8 / 200	10 / 250	10 / 250	7 / 180
6 / 150	12 / 3000	12 / 300	12 / 300	8 / 200
7 / 180	11 / 280	14 / 355	12 / 300	10 / 250

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<sup>1</sup> Other face materials may vary the module and row spacing to achieve the same face light, uniformity and brightness.

## Power Supply Load Chart

MODEL	LS-COLOR-RR, TR-G2			
Models are wired in Parallel Strings	Maximum # of Modules per string	Total # of Modules	Total # of Feet	Total # of Meters
12 W - Class 2	23	23	11.5	3.5
60 W - Class 2	95	120	60	18.3
100 W Class 1*	95	192	96	29.3
150 W Class 1*	95	288	144	43.9
180 W Class 1*	95	345	172.5	52.6
220 W Class 1*	95	422	211	64.3

LS-COLOR-BL-G2			
Maximum # of Modules per string	Total # of Modules	Total # of Feet	Total # of Meters
23	23	11.5	3.5
80	120	60	18.3
80	192	96	29.3
80	288	144	43.9
80	345	172.5	52.6
80	422	211	64.3

\*Wiring details in "Installation Guide: Wiring Instructions for Class 1 Power Supplies to LED Modules"..

MODEL	LS-COLOR-GR-G2			
Models are wired in Parallel Strings	Maximum # of Modules per string	Total # of Modules	Total # of Feet	Total # of Meters
12 W - Class 2	26	26	13	4.0
60 W - Class 2	65	120	60	18.3
100 W Class 1*	65	219	109.5	33.4
150 W Class 1*	65	329	164.5	50.2
180 W Class 1*	65	394	197	60.1
220 W Class 1*	65	482	241	73.5

LS-COLOR-OR, YE-G2			
Maximum # of Modules per string	Total # of Modules	Total # of Feet	Total # of Meters
18	18	9	2.7
90	90	45	13.7
90	129	64.4	19.6
90	193	96.6	29.4
90	232	115.9	35.3
90	283	141.7	43.2

MODEL	LS-CLR3-RR-G2			
Models are wired in Parallel Strings	Maximum # of Modules per string	Total # of Modules	Total # of Feet	Total # of Meters
12 W - Class 2	22	22	7.3	2.2
60 W - Class 2	90	120	40	12.2
100 W Class 1*	90	177	59	18.0
150 W Class 1*	90	266	88.7	27.0
180 W Class 1*	90	319	106.3	32.4
220 W Class 1*	90	390	130	39.6

LS-CLR3-YE-G2			
Maximum # of Modules per string	Total # of Modules	Total # of Feet	Total # of Meters
18	18	6.0	1.8
90	90	30	9.1
90	129	42.9	13.1
90	193	64.4	19.6
90	232	77.3	23.6
90	283	94.4	28.8

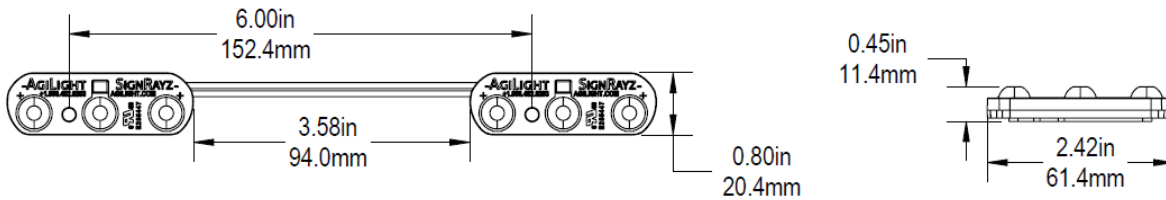
## LED Module to Power Supply Wire Size

Wire Size		Maximum Distance*	
Gauge (AWG)	Metric (mm <sup>2</sup> )	Feet	Meters
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 power supply to load at full capacity

## LED Module Dimensions

### TR, GR, BL Colors



### RR, OR, YE Colors

