



The LyteRayz™ Mini Color packs a lot of power into one of our smallest sign modules. Great for smaller indoor or outdoor channel letters and sign details, Mini Color is an IP67 rated module that comes in red, green and blue options and boasts best-in-class performance.

**Applications:**

- Outdoor miniature channel letters
- Outdoor acrylic block letters
- Ultra thin small channel letters
- Accent lighting
- Applications starting at 1" (25mm) depth



**ORDERING GUIDE**

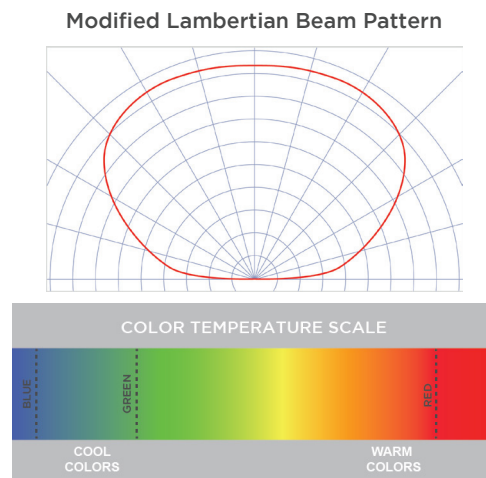
Part Number	Color Temp.	Module Spacing (mm)	Number of Modules		Nominal Light Output (lm)*		
			Per Foot	Per Meter	Per Module	Per Foot	Per Meter
LS-LRZM-TRD-L50-A	True Red (625 nm)	50	6.1	20	4.9	30	98
LS-LRZM-GRN-L50-A	Green (526 nm)	50	6.1	20	16.4	100	328
LS-LRZM-BLU-L50-A	Blue (467 nm)	50	6.1	20	3.1	19	62
LS-LRZM-TRD-L35-A	True Red (625 nm)	33.5	9.1	30	4.9	45	147
LS-LRZM-GRN-L35-A	Green (526 nm)	33.5	9.1	30	16.4	149	490
LS-LRZM-BLU-L35-A	Blue (467 nm)	33.5	9.1	30	3.1	28	93

\* ±10%

**PRODUCT RATINGS**

Luminous Efficacy (lm/W)	41 (TRD), 137 (GRN), 26 (BLU)
Wattage per Module	0.12 W Nominal 0.13 W Maximum
Input Voltage	12 V DC
Input Current	0.010 A/ module
Power Supply Loading	460 modules per 60 W
Ingress Protection	IP67
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-LRZM-xxx-Lxx-A	0.63/15.9	0.33/8.5	0.34/8.6

REV: 12NOV2019  
Data sheet subject to change without notice.



**LAYOUT GUIDE**

Module Color (Face)	True Red (2793) / Green (7328)		Blue (2051)		True Red (2793) / Green (7328)		Blue (2051)	
	Single Row		Single Row		Multiple Rows		Multiple Rows	
	Min.   Max. Stroke	Module Spacing	Min.   Max. Stroke	Module Spacing	Row Spacing	Module Spacing	Row Spacing	Module Spacing
Channel Depth (in.)								
1.0	0.33   0.79	1.18	0.33   0.79	0.98	0.79	1.18	0.79	1.18
1.6	0.33   1.60	1.97	0.33   1.60	1.97	1.60	1.97	1.60	1.77
2.0	0.33   3.25	1.97	0.33   3.25	1.97	2.50	1.97	2.50	1.97
<b>(mm)</b>								
25	8.5   20	30	8.5   20	25	20	30	20	30
40	8.5   40	50	8.5   40	50	40	50	40	45
50	8.5   82	50	8.5   82	50	63	50	63	50

**POWER SUPPLY LOADING**

Module Type	Power Supply (wired in Parallel Strings)		LS-LRZM-xxx-L50-A			LS-LRZM-xxx-L35-A			LED Module to power supply wire size			
	Total # of Modules	Max. # of Modules Per String	Total # of Feet	Total # of Meters	Max. # of Modules Per String	Total # of Feet	Total # of Meters	Wire size		Max Distance		
	Guage AWG	Metric (mm <sup>2</sup> )	Feet	Meters	Guage AWG	Metric (mm <sup>2</sup> )	Feet	Meters				
UL CLASS 2	12 W	92	92	15.1	4.6	92	10.2	3.1	26	0.13	3	0.9
	15 W	115	100	19	5.8	100	12.8	3.9	24	0.21	4	1.2
	35 W	268	100	44	13.4	100	29.5	9	22	0.33	7	2.1
	60W	460	100	75.5	23	100	50.5	15.4	20	0.52	11	3.4
	180W**	1380	100	226.4	69	100	151.6	46.2	18	0.82	18	5.5
UL CLASS 1	100W	766	100	125.7	38.3	100	84.3	25.7	16	1.31	29	8.8
	150W	1150	100	188.6	57.5	100	126.3	38.5	14	2.08	45	13.7
	180W	1380	100	226.4	69	100	151.6	46.2	12	3.31	71	21.6
	220W	1686	100	276.6	84.3	100	185.4	56.5	10	5.26	120	36.6

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

Distance from 60W power supply to 100% load

**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-LRZM-xxx-L50-A	Modules	100	3000	6000	30.9 lb 14 kg	9.8	9.1	13.8	14.6	20.5	10.2	inch
	Feet	16.4	492.1	984.2								
	Meters	5	150	300								
LS-LRZM-xxx-L35-A	Modules	100	3000	6000	30.9 lb 14 kg	9.8	9.1	13.8	14.6	20.5	10.2	mm
	Feet	11.2	329.7	659.4								
	Meters	3.4	100.5	201								



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.