



The LyteRayz[®] Mini White packs a lot of power into one of our smallest sign modules. Great for smaller indoor or outdoor channel letters and sign details, Mini White is an IP67 rated module that's available in a wide range of white colors 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

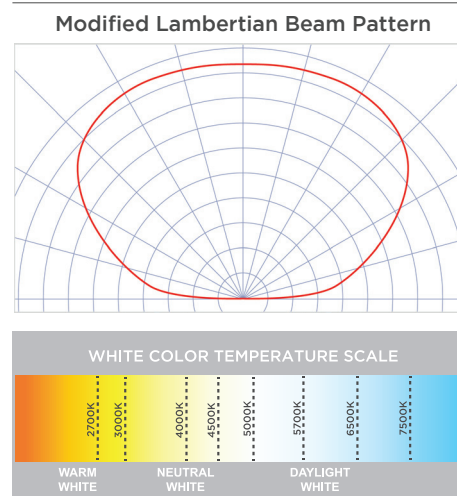
Part Number	Color Temp.	Module Spacing (mm)	Number of Modules		Nominal Light Output (lm)*		
			Per Foot	Per Meter	Per Module	Per Foot	Per Meter
LS-LRZM-75K-L50-A	7500K	50	6.1	20	20	122	400
LS-LRZM-65K-L50-A	6500K	50	6.1	20	20	122	400
LS-LRZM-57K-L50-A	5700K	50	6.1	20	20	122	400
LS-LRZM-50K-L50-A	5000K	50	6.1	20	20	122	400
LS-LRZM-45K-L50-A	4500K	50	6.1	20	18	110	360
LS-LRZM-40K-L50-A	4000K	50	6.1	20	18	110	360
LS-LRZM-30K-L50-A	3000K	50	6.1	20	18	110	360
LS-LRZM-27K-L50-A	2700K	50	6.1	20	18	110	360
LS-LRZM-75K-L35-A	7500K	33.5	9.1	30	20	182	598
LS-LRZM-65K-L35-A	6500K	33.5	9.1	30	20	182	598
LS-LRZM-57K-L35-A	5700K	33.5	9.1	30	20	182	598
LS-LRZM-50K-L35-A	5000K	33.5	9.1	30	20	182	598
LS-LRZM-45K-L35-A	4500K	33.5	9.1	30	18	164	538
LS-LRZM-40K-L35-A	4000K	33.5	9.1	30	18	164	538
LS-LRZM-30K-L35-A	3000K	33.5	9.1	30	18	164	538
LS-LRZM-27K-L35-A	2700K	33.5	9.1	30	18	164	538

* ± 10%

PRODUCT RATINGS

Luminous Efficacy	111 lm/W @ 6500K
Wattage per Module	0.18 W Nominal 0.19 W Maximum
Input Voltage	12 V DC
Input Current	0.015 A/ module
Power Supply Loading	306 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-xxK-Lxx-A	0.63/15.9	0.33/8.5	0.34/8.6

POWER SUPPLY LOADING

Module Type	LS-LRZM-xxK-L50-A				LS-LRZM-xxK-L35-A			
	Power Supply (wired in Parallel Strings)	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
UL CLASS 2	12 W	61	61	10.2	3.1	61	6.6	2
	15 W	76	76	12.5	3.8	76	8.2	2.5
	35 W	178	80	29.2	8.9	80	19.7	6
	60W	306	80	50.2	15.3	80	33.8	10.3
	180W***	920	80	150.9	46	80	101	30.8
UL CLASS 1	100W	511	80	84	25.6	80	56.1	17.1
	150W	766	80	125.7	38.3	80	84.3	25.7
	180W	920	80	150.9	46	80	101	30.8
	220W	1124	80	184.4	56.2	80	123.7	37.7

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

LAYOUT GUIDE*

Channel Depth (in mm)	Single Row		Single Row		Multiple Rows	
	Min. Stroke	Module Spacing	Max. Stroke	Module Spacing	Row Spacing	Module Spacing
1.0 25	0.33 8.5	1.18 30	0.79 20	1.18 30	0.79 20	1.18 30
1.6 40	0.33 8.5	2.00 50	1.60 40	2.00 50	1.60 40	2.00 50
2.0 50	0.33 8.5	2.00 50	3.25 82	2.00 50	2.50 63	2.00 50

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

LED MODULE TO POWER SUPPLY WIRE SIZE

Wire Size	Maximum Distance*	Wire Size		Maximum Distance*	
		Gauge AWG	Metric (mm ²)	Feet	Meters
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		

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-xxK-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-xxK-L35-A	Modules	100	3000	6000	30.9 lb 14 kg	250	230	350	370	520	260	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.