

This SignRayz® ULTRA EDGE module features an edge lighting beam pattern that enables large light coverage per module and significantly reduces 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:

- Box signs (2-6 inches) in small to medium sizes, double face and single face
- Exterior linear fixtures for wall washing and billboard uplight



12V DC



5 YEAR LIMITED WARRANTY



CONSTANT CURRENT



50,000 HRS
L70 LIFETIME

ORDERING GUIDE

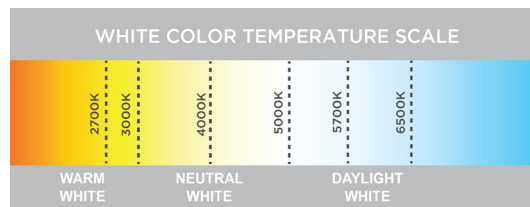
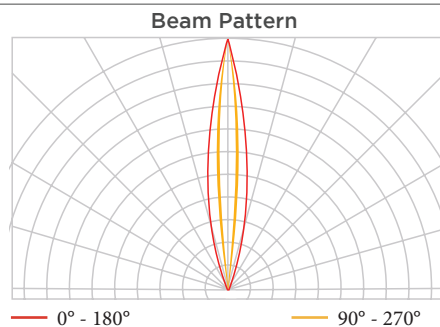
Part Number	White Color Temp.	Module Spacing (mm)	Number of Modules		Nominal Light Output (lm)*		
			Per Foot	Per Meter	Per Module	Per Foot	Per Meter
LS-U770-65K-E150-A	6500K	150	2	6.7	250	500	1675
LS-U770-57K-E150-A	5700K	150	2	6.7	250	500	1675
LS-U770-50K-E150-A	5000K	150	2	6.7	250	500	1675
LS-U770-40K-E150-A	4000K	150	2	6.7	250	500	1675
LS-U770-30K-E150-A	3000K	150	2	6.7	250	500	1675
LS-U770-27K-E150-A	2700K	150	2	6.7	240	480	1608

* ± 10%

PRODUCT RATINGS

Luminous Efficacy	91 lm/W @ 6500K
Wattage per Module	2.76 W Nominal 2.90 W Maximum
Input Voltage	12 V DC
Input Current	0.230 A/ module
Power Supply Loading	20 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-U770-xxK-E150-A	4.13/105	0.69/17.6	0.57/14.5

REV: 12JUN2019

Data sheet subject to change without notice.

POWER SUPPLY LOADING

LS-U770-XXK-E150-A					
	Power Supply	Max. # of Modules Per Continuous String	Total # of Modules Per Power Supply ¹	Total # of Feet	Total # of Meters
UL CLASS 2	12 W	4	4	2.0	0.6
	15 W	5	5	2.5	0.8
	35 W	12	12	5.9	1.8
	60 W	19	20	9.8	3.0
	180 W ²	19	60	29.5	9.0
UL CLASS 1	100 W	19	33	16.2	5.0
	150 W	19	49	24.1	7.4
	180 W	19	59	29.0	8.9
	220 W	19	72	35.4	10.8

Note 1. The number of modules in each of the parallel strings should not exceed the specified maximum.

2. 3 – 60 Watt Channels

LAYOUT GUIDE (ENGLISH)

Sign Type	Mounting Configuration	Depth (in)	Reachout Length (ft)	Module Spacing (ft)	Lit Area/Module (ft ²)	Optical Requirements on Housing Materials
Single-Face (using 7328 white acrylic, 0.18")	On 1 edge	2	2.5	0.38	0.95	Reflective white surface inside
		3	3.0	0.38	1.14	
		4	3.5	0.38	1.33	
		5	4.0	0.38	1.52	
		6	4.0	0.38	1.52	
	On 2 opposite edges	2	2 x 1.75	0.38	0.67	Reflective white surface inside
		3	2 x 2.5	0.38	0.95	
		4	2 x 2.5	0.38	0.95	
		5	2 x 2.5	0.38	0.95	
		6	2 x 2.5	0.38	0.95	
Double-Face (using 7328 white acrylic, 0.18")	On 1 edge	2	2.0	0.38	0.76	Reflective white surface inside
		3	2.5	0.38	0.95	
		4	2.5	0.38	0.95	
		5	2.5	0.38	0.95	
		6	2.5	0.38	0.95	
	On 2 opposite edges	2	2 x 1.5	0.38	0.57	Reflective white surface inside
		3	2 x 1.75	0.38	0.67	
		4	2 x 2.0	0.38	0.76	
		5	2 x 2.0	0.38	0.76	
		6	2 x 2.0	0.38	0.76	

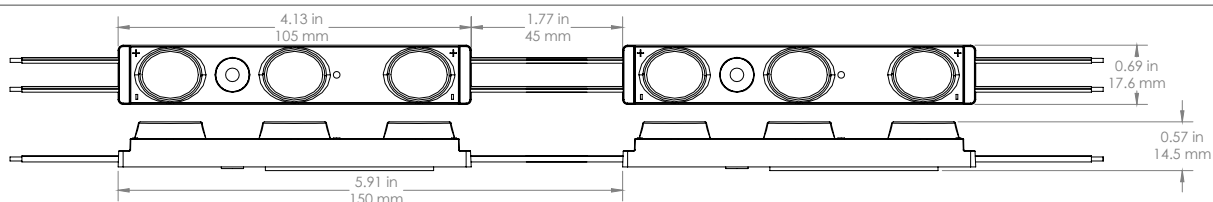
LAYOUT GUIDE (METRIC)

Sign Type	Mounting Configuration	Depth (mm)	Reachout Length (mm)	Module Spacing (mm)	Lit Area/Module (mm ²)	Optical Requirements on Housing Materials
Single-Face (using 7328 white acrylic, 4.5 mm)	On 1 edge	50	760	115	87400	Reflective white surface inside
		75	915	115	105225	
		100	1065	115	122475	
		125	1220	115	140300	
	On 2 opposite edges	150	1220	115	140300	Reflective white surface inside
		50	2 x 535	115	61525	
		75	2 x 760	115	87400	
		100	2 x 760	115	87400	
Double-Face (using 7328 white acrylic, 4.5 mm)	On 1 edge	125	2 x 760	115	87400	Reflective white surface inside
		150	2 x 760	115	87400	
	On 2 opposite edges	50	2 x 455	115	52325	Reflective white surface inside
		75	2 x 535	115	61525	
		100	2 x 610	115	70150	
		125	2 x 610	115	70150	
	On 2 opposite edges	150	2 x 610	115	70150	
		150	2 x 610	115	70150	

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-U770-xxK-E150-A	Modules	30	30	150	11.0 lb 5.0 kg	15.5	11.5	2.0	16.1	12.0	11.2
	Feet	15	15	75		395	295	50	410	305	285
	Meters	4.6	4.6	23							

DIMENSION DRAWING



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.