

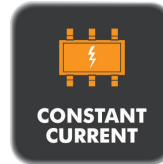
**ONEwhite**  
Global Color Consistency



**Capzul**  
Waterproof Encapsulation



**VersaLentz**  
Advanced Optics



**CONSTANT CURRENT**



**UV RESISTANT**



**50,000 HRS**  
L70 LIFETIME

## Ordering Information

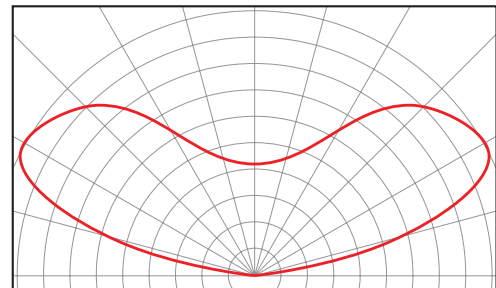
Part Number	LED Color	Wire Color	Wavelength (nm)	Nominal Current per Module	Max Wattage per Module	Number of Modules		Nominal Light Output (lm)*		
						per Foot	per Meter	per Module	per Foot	per Meter
LS-PROCLR-TRD-2B5	True Red	Red	625	0.040 A	0.50 W (0.48W Nom.)	2	6.56	10.4	20.8	68
LS-PROCLR-BLU-2B5	Blue	Blue	467	0.040 A	0.50 W (0.48W Nom.)	2	6.56	6.3	12.6	41
LS-PROCLR-GRN-2B5	Green	Green	530	0.040 A	0.50 W (0.48W Nom.)	2	6.56	20.3	40.6	133
LS-PROCLR-YLW-2B5	Yellow	Yellow	589	0.050 A	0.63W (0.60W Nom.)	2	6.56	9.4	18.8	62

\*±10%

## Product Ratings

Luminous Efficacy	22 lm/W (TRD) 13 lm/W (BLU) 42 lm/W (GRN) 16 lm/W (YLW)
Input Voltage	12V DC
Power Supply	Class 2: 5A, 60W Max. 112 modules (TRD, BLU, GRN) 90 modules (YLW) per power supply. See wiring instructions for details.
Ingress Protection	IP68
Operating Temperature	-40°C to +60°C (-40°F to +140°F)
L70 Lifetime	50,000 Hours
Warranty	5 Year Limited

## Luminous Intensity Distribution B5 Batwing Pattern



## Applications

- Channel letters
- Cove Lighting
- Accent Lighting



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## Population Density Guide<sup>1 2</sup>

Single Row	True Red				Blue				Green				Yellow							
Face Material	2793 Plex								7328 Acrylic with Vinyl				7328 Acrylic with Vinyl				7328 Acrylic with Vinyl			
Channel Depth (inch/mm)	Max Stroke		Module Spacing		Max Stroke		Module Spacing		Max Stroke		Module Spacing		Max Stroke		Module Spacing		Max Stroke		Module Spacing	
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
2 / 50	3.5	89	3	76	5.5	140	3.75	95	3.5	89	3.5	89	4.5	114	4	102				
3 / 75	5.5	140	3.5	89	7	178	4.5	114	5.5	140	4	102	5.5	140	4.5	114				
4 / 100	7	178	6	152	8	203	6	152	6.5	165	4.5	114	6.5	165	5	127				
5 / 125	8	203	6	152	9	229	6	152	9	229	6	152	6	152	4.75	121				

Two Rows	True Red				Blue				Green				Yellow							
Face Material	2973 Plex								7328 Acrylic with Vinyl				7328 Acrylic with Vinyl				7328 Acrylic with Vinyl			
Channel Depth (inch/mm)	Max Stroke		Module Spacing		Max Stroke		Module Spacing		Max Stroke		Module Spacing		Max Stroke		Module Spacing		Max Stroke		Module Spacing	
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
2 / 50	3.75	95	3.75	95	4	102	3.5	89	3	76	3	76	4.5	114	3.5	89				
3 / 75	5.5	140	3.25	82	6.5	165	4	102	5	127	3.5	89	5	127	4.5	114				
4 / 100	7	178	4	102	7.5	190	4.5	114	6.5	165	4.5	114	6	152	6	152				
5 / 125	8	203	6	152	8	203	6	152	8	203	6	152	6	152	6	152				

<sup>1</sup> Other face materials may vary the module and row spacing to achieve the same face light uniformity and brightness.  
<sup>2</sup> For applications using more than two rows, please refer to the population density guide at [www.agilight.com](http://www.agilight.com)

## LED Module to Power Supply Wire Size

Wire Size		Max. 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

## Power Supply Load Chart

Model	True Red, Blue, Green			Yellow		
Class 2 Power Supplies	12W			12W		
Wiring Options	Total # of Modules	Total # of Feet	Total # of Meters	Total # of Modules	Total # of Feet	Total # of Meters
Single String	22	11	3.4	18	9	2.7

Model	True Red, Blue, Green				Yellow			
Class 2 Power Supplies	60W				60W			
Wiring Options (see wiring diagrams)	Max # Modules per String	Total # of Modules	Total # of Feet	Total # of Meters	Max # Modules per String	Total # of Modules	Total # of Feet	Total # of Meters
Single String	100	100	50	15.2	80	80	40	12.2
Multiple Strings (Parallel)	100	112	56	17.1	80	90	45	13.7

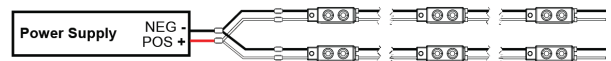
Model	True Red, Blue, Green				Yellow			
Class 1 Power Supplies (wired in parallel strings)	Max # Modules per String	Total # of Modules	Total # of Feet	Total # of Meters	Max # Modules per String	Total # of Modules	Total # of Feet	Total # of Meters
100W	100	180	90	27.4	80	142	71	21.6
150W	100	270	135	41.2	80	214	107	32.6
220W	100	396	198	60.4	80	314	157	47.9

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

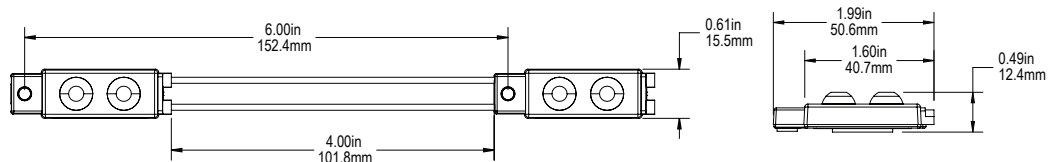
### Single LED String:



### Parallel LED Strings:



## LED Module Dimensions



## Shipping Information

Model	SKU	Tray Quantity	Box Quantity	Case Quantity	Case Weight	Box Dimensions			Case Dimensions		
						W	D	H	W	D	H
LS-PROCLR-xxx-2B5	1 (ft) 0.3 (m)	20 (ft) 6.1 (m)	100 (ft) 30.5 (ft)	500 (ft) 152.4 (m)	33.5 (lb) 15.2 (kg)	19.7"	9.6"	4.1"	23.0"	20.3"	10.6"
						500 mm	245 mm	105 mm	585 mm	515 mm	270 mm



1. These products are only suitable for connection to a Class 2 power source rated 12 Volt or less.
2. These products are intended for use only when connected to a power source that complies with Class 2 voltage and energy limited circuit.
3. When these units are connected to a Class 2 circuit, they are not to draw a total wattage of greater than the secondary output rating of the 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.