

PRO ENDURANCE 2 COLOR

PRO Endurance 2 Color modules from AgiLight are premium 24V modules that provide a choice of brilliant pure Red, Green, Blue or Yellow light output. PRO Endurance 2 Color modules feature our U Optic for superior light blending in medium to large channel letters and shallow box and cabinet signs. They come with the Endurance Series 10-year parts and labor warranty and a 10-year L80 brightness warranty that is unmatched in the industry.



IP68



24 VDC



10-YEAR LIMITED WARRANTY



VERSALENZ[®]
ADVANCED OPTICS



CAPZUL[®]
WATERPROOF



CONSTANT CURRENT



UV
RESISTANT

ORDERING GUIDE

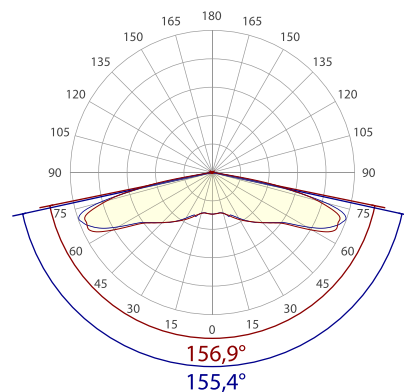
Part Number	Color	Module Spacing (in./mm)	Wattage per Module (W)	Number of Modules		Nominal Light Output (lm)			
				Per Foot	Per Meter	Per Watt	Per Module	Per Foot	Per Meter
LS-PE2-RED-35-U200-A	Red (625 nm)	8 / 200	0.58	1.5	5	55	35	53.2	175
LS-PE2-GRN-60-U200-A	Green (525 nm)	8 / 200	0.45	1.5	5	133	60	91.2	300
LS-PE2-BLU-20-U200-A	Blue (468 nm)	8 / 200	0.83	1.5	5	24	20	30.4	100
LS-PE2-YLW-13-U200-A	Yellow (595 nm)	8 / 200	0.57	1.5	5	19	13	19.8	65

PRODUCT RATINGS

Input Voltage	24 VDC
IC Design	Constant Current
Lumen Drop	< 3%
Ingress Protection	IP68
Max. # of Modules Per Continuous String	98 (Red) 136 (Green) 100 (Blue) 180 (Yellow)
MacAdam ellipse	3-step binning
Operating Temperature	-13 — 140 °F (-25 — 60 °C)
Lifetime (L80 reported)	L80 reported >54000 hours (based on TM-21 guidelines) L80 projected > 86000 hours (based on data extrapolation)*
Warranty	10-year limited warranty
Dimensions (L x W x H)	1.66 x 0.49 x 0.44 in. (42 x 13 x 11 mm)

* Why the difference? TM-21 allows us to report results up to a maximum of six times the tested duration. Since testing was conducted for 9,000 hours, the reportable limit is 6 x 9,000 = 54,000 hours. However, the same tool projects that L80 (80% of the original brightness) will not be reached until approximately 86,000 hours.

OPTIC



> Small, medium to large channel letters and sign cabinets

POWER SUPPLY LOADING

Module Type	Per 30 W Power Supply			Per 60 W Power Supply			Per 100 W Power Supply			Per 300 W Power Supply (3x 100 W)		
	Max. # of Modules	Max. # of Feet	Max. # of Meters	Max. # of Modules	Max. # of Feet	Max. # of Meters	Max. # of Modules	Max. # of Feet	Max. # of Meters	Max. # of Modules	Max. # of Feet	Max. # of Meters
LS-PE2-RED-35-U200-A	46	30.18	9.2	93	61.02	18.6	155	101.71	31	465* (3x 155)	305.19 (3x 101.73)	93 (3x 31)
LS-PE2-GRN-60-U200-A	62	40.79	12.4	125	82.24	25	209	137.5	41.8	627* (3x 209)	412.5 (3x 137.5)	125.4 (3x 41.8)
LS-PE2-BLU-20-U200-A	34	22.37	6.8	68	44.74	13.6	113	74.34	22.6	339* (3x 113)	222.9 (3x 74.3)	67.8 (3x 22.6)
LS-PE2-YLW-13-U200-A	47	30.84	9.4	94	61.68	18.8	157	103.02	31.4	471* (3x 157)	309.06 (3x 103.02)	94.2 (3x 31.4)

*For optimum performance, maximum number of **Red** modules on a single continuous string is 110.
For optimum performance maximum number of **Green** modules on a single continuous string is 136.
For optimum performance maximum number of **Blue** modules on a single continuous string is 100.
For optimum performance maximum number of **Yellow** modules on a single continuous string is 148.

LAYOUT GUIDE**

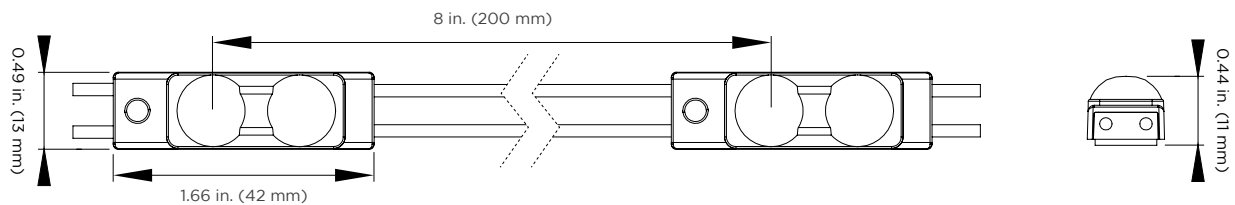
PRO Endurance Color (Red/Green/Blue/Yellow)				
Channel Depth (in. / mm)	Single Row		Multiple Rows	
	Max. Stroke	Module Spacing	Row Spacing	Module Spacing
3 / 75	10 / 250	8 / 200	6.5 / 165	8 / 200
4 / 100	13 / 330	8 / 200	9 / 225	8 / 200
5 / 125	17 / 430	8 / 200	13 / 330	8 / 200
6 / 150	17 / 430	8 / 200	16 / 405	8 / 200
7 / 175	15 / 380	8 / 200	15 / 380	8 / 200

**Layout guidance is based on 0.2 in. (5 mm) thick 7328 acrylic with 23% translucency, designed to achieve optimal uniformity.

SHIPPING INFORMATION

Packaging Quantity		Carton Dimensions			Carton Weight
# of Modules per Bag	# of Modules per Carton	L	W	H	
100	1600	20.47 in. 520 mm	14.57 in. 370 mm	10.24 in. 260 mm	36.6 lbs 16.6 kg
		520	370	260	

DIMENSION DRAWING



1. UL ONLY - These products are only suitable for connection to a UL rated Class 2 power source rated 24 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.

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