

# LED Modules For Signs

## Design/Spacing Information



	Code	Recommended for..					For Even Face Illumination..						Eg: 1000 x 1000mm Lightbox			
		Face Illumination	Halo Illumination	Small Channel Letters	Large Channel Letters	Light-boxes	Max LED Spacing	LED Qty p/m	Minimum Return Depth	Returns Depths	Row Spacing	LED Spacing	Quoting Formula	Total White LEDs	LUX Lumen psqm (ie: Brightness)	Cost Comparison At Full Price (only a guide)
	SGMINI	✓	✓	✓	✗	✗	25mm	40	↓ 30mm	30mm <	25mm	25mm	n/a	n/a	n/a	n/a
	SG1	✓	✓	✓	✗	✗	64mm	15	50mm	50mm < 60mm <	50mm 64mm	50mm 64mm	n/a	n/a	n/a	n/a
	QU1X	✓	✓	✓	✗	✗	60mm	14	40mm	40mm < 60mm <	50mm 60mm	50mm 60mm	n/a	n/a	n/a	n/a
	PE1	✓	✓	✓	✗	✗	120mm	8	40mm	40mm < 60mm < 80mm <	60mm 70mm 80mm	60mm 70mm 80mm	n/a	n/a	n/a	n/a
	SG2X	✓	✓	✓	✗	✗	80mm	12	50mm	50mm < 70mm <	40mm 50mm	40mm 50mm	n/a	n/a	n/a	n/a
	SG3X	✓	✓	✓	✓	✓	90mm	11	50mm	50mm < 70mm < 90mm <	50mm 60mm 80mm	50mm 60mm 80mm	0.0025 0.0036 0.0064	400 278 156	10000 6944 3906	£224.00 £155.56 £87.50
	HB2X	✓	✓	✗	✓	✓	130mm	7	50mm	50mm < 80mm < 100mm <	60mm 70mm 90mm	60mm 70mm 90mm	0.0036 0.0049 0.0081	278 204 123	12222 8980 5432	£216.67 £159.18 £96.30
	RGB2	✓	✓	✓	✓	✓	130mm	7	70mm	70mm < 90mm < 110mm <	60mm 70mm 90mm	60mm 70mm 90mm	n/a	278 204 123	5833 4286 2593	£305.56 £224.49 £135.80
	QU2X	✓	✓	✓	✓	✓	160mm	6	50mm	50mm < 80mm < 100mm <	70mm 80mm 100mm	70mm 80mm 100mm	n/a	204 156 100	13061 10000 6400	£181.63 £139.06 £89.00
	PE2X	✓	✓	✓	✓	✓	175mm	5/6	↓ 40mm	40mm < 60mm < 90mm <	70mm 80mm 90mm	70mm 80mm 90mm	n/a n/a n/a	204 156 123	19388 14844 11728	£226.53 £173.44 £137.04
	QU3	✓	✓	✗	✓	✓	200mm	5	↓ 50mm	50mm < 80mm < 110mm <	90mm 100mm 110mm	90mm 100mm 110mm	n/a n/a n/a	123 100 83	11728 9500 7851	£137.04 £111.00 £91.74
	PE3X	✓	✓	✗	✓	✓	200mm	5	60mm	60mm < 120mm <	100mm 110mm	100mm 110mm	n/a n/a	100 83	14000 11570	£133.00 £109.92
	RGB3	✓	✓	✗	✓	✓	225mm	3/4	70mm	70mm < 100mm <	100mm 110mm	100mm 110mm	n/a	100 83	2200 1818	£160.00 £132.23
	PE6	✓	✓	✗	✓	✓	250mm	5	↓ 50mm	50mm < 100mm < 150mm < 250mm <	100mm 110mm 150mm 250mm	100mm 110mm 150mm 250mm	n/a n/a n/a n/a	100 83 44 16	28500 23554 12667 4560	£190.00 £157.02 £84.44 £30.40
	LBAR18	✗	✗	✗	✗	✓	n/a	18	150mm	150mm <	This is an edgelit light bar - 1 edge for boxes upto 600mm in height. - 2 opposite edges for boxes upto 1500mm in height		n/a	2m	2880	£40.00
	DOT9X	✓	✗	✓	✓	✗	55	18	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	DOT12X	✓	✗	✓	✓	✗	60	16	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	DOT12X	✓	✗	✓	✓	✗	60	16	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	CB1	✓	✓	✗	✓	✓	120mm	8	60mm	60 < 75mm 80 < 95mm 100mm <	60mm 80mm 120mm	80mm 100mm 120mm	0.0048 0.008 0.014	180 104 54	18017 10350 5378	£117.00 £67.60 £35.10





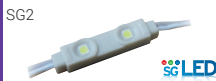

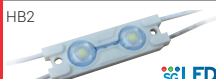












End of line product. Once it's gone, it's gone! These need to be fit to a heat conductive backing such as aluminium or steel to help with heat dissipation

www.weloveleds.co.uk info@weloveleds.co.uk 01132524706

WeLoveLEDs.co.uk (part of The Sign Group) Victoria Works  
Bruntcliffe Road Morley Leeds West Yorkshire LS27 0LF




# LED Modules For Signs

## Facts & Figures

	Code	Colours Temp/Wavelength	Modules per Chain	Beam Angle	Lumens p/module	Watts p/module	Lumen Efficiency lm/w	Voltage	Dims. (LxWxH)	IP Rank	Expected Lifespan	Warranty	Qty of modules per psu (@ 90%)
	SGMINI	Pure White 6500K	20	120	28	0.25	112	12vdc	9*6*4	65	50,000hrs	1yr	18w = 64 35w = 126 60w = 216 100w = 360 150w = 540
	SG1	Pure White 6500K	20	120	27	0.3	90	12vdc	18*8*3	65	13,000hrs	1yr	18w = 54 35w = 105 60w = 180 100w = 300 150w = 450
	QU1X	Pure White 6500K Warm White 3000K Red, Blue, Green, Yellow	20	160	W 30 R/Y 7 B 4 G 11	0.36	84 (White)	12vdc	16*10*10	65	30,000hrs	3yrs	18w = 45 35w = 87 60w = 150 100w = 250 150w = 375
	PE1	Cool White 7500K	20	170	47	0.5	94	12vdc	22*14*10	67	50,000hrs	5yrs	18w = 32 35w = 63 60w = 90 100w = 150 150w = 225
	SG2X	Pure White 6500K Red Blue	20	140	W 15 R 6 B 7	0.25	60 (White)	12vdc	26*7*4	65	20,000hrs	1yr	18w = 64 35w = 126 60w = 216 100w = 360 150w = 540
	SG3X	Pure White 6500K Warm White 3000K Red, Blue, Green, Yellow	20	140	W 25 R 5 B 7 G 15	0.30	83 (White)	12vdc	39*12*4	65	20,000hrs	1yr	18w = 54 35w = 105 60w = 180 100w = 300 150w = 450
	HB2X	Pure White 6500K Warm White 3000K	20	150	44	0.48	92	12vdc	47*15*4	65	50,000hrs	1yr	18w = 32 35w = 63 60w = 90 100w = 150 150w = 225
	RGB2	RGB	20	140	RGB 21	0.48	44	12vdc	47*15*4	65	50,000hrs	1yr	18w = 32 35w = 63 60w = 90 100w = 150 150w = 225
	QU2X	Pure White 6500K Warm White 3000K Red, Blue, Green, Yellow	20	160	W 64 R/Y 12 B 6 G 24	0.72	89 (White)	12vdc	50*15*10	65	30,000hrs	3yrs	18w = 22 35w = 43 60w = 75 100w = 125 150w = 187
	PE2X	Cool White 7500K Warm White 3000K Red, Blue, Green, Yellow	20	170	W 95 R/Y 20 B 11 G 30	1	95	12vdc	50*18*10	67	50,000hrs	5yrs	18w = 16 35w = 31 60w = 54 100w = 90 150w = 135
	QU3	Pure White 6500K	20	160	95	1	95	12vdc	69*15*10	65	30,000hrs	3yrs	18w = 16 35w = 31 60w = 54 100w = 90 150w = 135
	PE3X	Cool White 7500K Warm White 3000K	20	170	140	1.5	93	12vdc	76*18*10	67	50,000hrs	5yrs	18w = 11 35w = 21 60w = 36 100w = 60 150w = 90
	RGB3	RGB	20	160	RGB 22	0.72	31 (RGB)	12vdc	85*15*11	66	50,000hrs	3yrs	18w = 22 35w = 43 60w = 75 100w = 125 150w = 187
	PE6	Pure White 6500K	20	160	285	3	95	12vdc	74*48*7	65	50,000hrs	3yrs	18w = 5 35w = 11 60w = 18 100w = 30 150w = 112
	LBAR18	Pure White 6500K	18	30	90 (1620 p/m)	18	90	24vdc	1000 *27*17	65	30,000hrs	2yrs	18w = 0.9m 35w = 1.75m 60w = 3m 100w = 5m 150w = 7.5m
	DOT9X	Pure White 6500K Red, Blue, Green, Yellow	50	90	W 7 R/Y 2.5 B 2 G 5	0.15	n/a	5vdc	22*11	65	30,000hrs	2yr	18w = 108 35w = 210 60w = 360 100w = 600 150w = 900
	DOT12X	Pure White 6500K Red	50	90	W 7 R 2.5	0.15	n/a	5vdc	29*14	65	30,000hrs	2yr	18w = 108 35w = 210 60w = 360 100w = 600 150w = 900
	DOT12RGB	RGB 6500K	50	90	RGB 8	0.3	n/a	5vdc	33*12	65	30,000hrs	2yr	18w = 54 35w = 105 60w = 180 100w = 300 150w = 450
	CB1	Pure White 6500K	20	160	100	1.4	71	12vdc	36*18*8	65	13,000hrs	1yr	18w = 11 35w = 22 60w = 38 100w = 64 150w = 96

End of line product. Once it's gone, it's gone! These need to be fit to a heat conductive backing such as aluminium or steel to help with heat dissipation

**Key**

- 1st In Class = 
- 2nd In Class = 
- Smallest in mm = 

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