

Technical Data **Super Bright Surelight EL Wire**



Grade: SB	Standard Diameter Ø (mm)	Chromaticity 80V 400Hz		Brightness 100V 120V 2000Hz Cd/m ²		Twisting Angle Ø (Degrees)/m	Stretching Force Kg	Bending Diameter mm	Operating temperature °C (Degrees)	Lifetime* 100VAC & 400Hz Hours
Colour		X	Y							
Yellow	Ø 2.5	0.496	0.501	182.0	253.5	30	1.0	12	- 20 to 55	5700
Green	Ø 2.5	0.138	0.587	64.1	96.6	30	1.0	12	- 20 to 55	5700
Pink	Ø 2.5	0.571	0.310	44.0*	55.5**	30	1.0	12	- 20 to 55	5700
Blue	Ø 2.5	0.102	0.435	96.1	133.0	30	1.0	12	- 20 to 55	5700
Aqua	Ø 2.5	0.173	0.525	194.0	270.0	30	1.0	12	- 20 to 55	5700
Red	Ø 2.5	0.702	0.297	39.0	54.3	30	1.0	12	- 20 to 55	5700
White	Ø 2.5	0.344	0.448	70.7*	96.1**	30	1.0	12	- 20 to 55	4500
Purple	Ø 2.5	0.337	0.214	11.2*	15.5**	30	1.0	12	- 20 to 55	5700
Lime	Ø 2.5	0.270	0.674	269.0	368.0	30	1.0	12	- 20 to 55	5700

* measured at 70VAC & **80 VAC

All values are to be used as average values / typical ranges \pm 20% measured at 20°C

Useful lifetime based upon operation cycles: 6 hours on, 18 hours off - reaching 30% of the initial brightness.

Average AC current: 120 mAmp, Input Voltage: 90VAC (rms)

Insulation Breakdown Voltage: 4,000 Volts per IEC 335-1

Colour	Mid Europe - Approximate time to discoloration after average sunlight exposure dose (months)	Tropical Area - Approximate time to discoloration after average sunlight exposure dose (months)
Aqua	24	12
Blue	24	12
White	18	9
Green	18	9
Pink	8	4
Red	6	3

Olmec Advanced Materials Ltd/Surelight
12 terminus Road
Sheffield
S7 2LH, UK

GB VAT No. 570 6797 06
Company Reg No. 247 6257



Tel: +44 (0) 114 236 1606

Fax: +44 (0)114 262 1202

Email: info@surelight.com

Website: www.surelight.com

Certificate No. 1644/98