

Technical Data
Super Bright (SB) Surelight EL wire

Grade: SB	Standard Diameter Ø (mm)	Chromaticity 80V 400Hz		Brightness 100V 120V 2000Hz Cd/m ²		Twisting Angle ° (Degrees)/m	Stretching Force Kg	Bending Diameter mm	Operating temperature °C (Degrees)	Lifetime* 100VAC & 400Hz Hours
		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

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