

Technical Data
Super Bright (SB) Surelight EL wire

Grade: SB	Standard Diameter Ø (mm)	Chromaticity 80V 400Hz X Y	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
Colour								
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

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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