

Technical Data **High Bright Max Surelight EL Wire**



Grade: H.B Max	Standard Diameter Ø (mm)	Chromaticity		Brightness		Twisting Angle Ø (Degrees)/m	Stretching Force Kg	Bending Diameter mm	Operating temperature °C (Degrees)	Lifetime* 100VAC & 400Hz Hours
		100V X	400Hz Y	100V 2000Hz Cd/m ²	120V					
Colour										
Lime	Ø 5.0	0.255	0.689	152.8	228.0	30	1.0	60	- 20 to 55	5700
Red	Ø 5.0	0.713	0.288	25.4	37.5	30	1.0	60	- 20 to 55	5700
Aqua	Ø 5.0	0.194	0.546	103.0	155.0	30	1.0	60	- 20 to 55	5700
Green	Ø 5.0	0.126	0.543	77.1	118.6	30	1.0	60	- 20 to 55	5700
Blue	Ø 5.0	0.101	0.432	53.3	81.0	30	1.0	60	- 20 to 55	5700
Orange	Ø 5.0	0.686	0.317	31.6	48.2	30	1.0	60	- 20 to 55	5700
Gold	Ø 5.0	0.510	0.488	128.1	190.2	30	1.0	60	- 20 to 55	5700
White	Ø 5.0	0.355	0.420	151.0	212.0	30	1.0	60	- 20 to 55	5700

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

* 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

Typical Current Consumption (mAmp/1meter of Surelight Wire)

Voltage [Vrms]	200 Hz	400 Hz	800 Hz	2000 Hz
80	0.62	1.12	2.10	5.24
100	0.88	1.47	2.81	6.80
120	1.29	1.90	3.50	8.61

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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