

# Technical Data **Heavy Duty Surelight EL Wire**



Grade: HD	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 120V 2000Hz Cd/m <sup>2</sup>						
Colour										
<b>Lime</b>	Ø 3.2	0.248	0.680	112.8	191.0	30	1.0	10	- 20 to 55	5700
<b>Red</b>	Ø 3.2	0.704	0.293	17.4	28.1	30	1.0	10	- 20 to 55	5700
<b>Purple</b>	Ø 3.2	0.364	0.207	10.7	16.7	30	1.0	10	- 20 to 55	5700
<b>Pink</b>	Ø 3.2	0.615	0.309	36.7	57.2	30	1.0	10	- 20 to 55	5700
<b>Aqua</b>	Ø 3.2	0.194	0.546	98.0	148.3	30	1.0	10	- 20 to 55	5700
<b>Green</b>	Ø 3.2	0.138	0.587	64.1	96.6	30	1.0	10	- 20 to 55	5700
<b>Blue</b>	Ø 3.2	0.098	0.425	42.1	63.3	30	1.0	10	- 20 to 55	5700
<b>Gold</b>	Ø 3.2	0.500	0.495	92.5	137.0	30	1.0	10	- 20 to 55	5700
<b>Orange</b>	Ø 3.2	0.608	0.394	39.2	62.9	30	1.0	10	- 20 to 55	5700
<b>White</b>	Ø 3.2	TBA		TBA		30	1.0	10	- 20 to 55	TBA

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

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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