



## Light Source Information Leaflet

### GENERAL

Type	LED red (646 nm)
Product name	LED Super-Bright Kingbright
Light generation process	Electroluminescence Aluminium gallium arsenide
Application areas	Signal and decoration illumination
Primary energy	Direct current (1.9 V, 20 mA)

### OPTICAL PROPERTIES

Emission maxima	647 nm ( $\pm$ 1.92 eV)
Centroid wavelength	646 nm ( $\pm$ 1.92 eV)
Full width @ half emission maximum	16 nm
Lumen equivalent	106 lm/W <sub>opt</sub>
CIE1931 chromaticity coordinates (x, y)	0.710, 0.289
Color rendering index (R <sub>a</sub> )	-
Color temperature	<1000 K

### PHYSICAL PROPERTIES

Input power *	38 mW <sub>el</sub>
Luminous efficiency *	5.8 lm/W <sub>el</sub>

\* Product description from the manufacturer

