



Light Source Information Leaflet

GENERAL

Type	Red-green-blue light emitting diode (RGB LED)
Product name	RGB LED Strip "Streifen" (SMD 5050 by LED-Carlights)
Light generation process	Electroluminescence of three different semiconductors (red, green, and blue)
Application areas	Illumination, Backlighting, Advertisement
Primary energy	Alternating Current (230 V, 50 Hz)

OPTICAL PROPERTIES

Emission maxima	460 nm (\pm 2.70 eV), 515 nm (\pm 2.41 eV), 629 nm (\pm 1.97 eV)
Centroid wavelength	Dependent on colour point
Full width @ half emission maximum	-
Lumen equivalent	Dependent on colour point
CIE1931 chromaticity coordinates (x, y)	red: 0.69, 0.31; green: 0.15, 0.72; blue: 0.14, 0.05
Color rendering index (R_a)	Dependent on colour point
Color temperature	Dependent on colour point

PHYSICAL PROPERTIES

Input power	-
Luminous efficiency	-

