



Light Source Information Leaflet

GENERAL

Spectral Type	G2 V
Product name	Sun
Light Generation Process	Thermal radiation
Application areas	General illumination, plant lighting, energy generation, warming
Primary energy	Nuclear fusion of hydrogen to helium

OPTICAL PROPERTIES

Emission maxima (counts)	670 nm (\cong 1.85 eV)
Centroid wavelength (counts)	1118 nm (\cong 1.11 eV)
Full width @ half emission maximum (counts)	911 nm
Lumen equivalent	202 lm/W _{opt}
CIE1931 chromaticity coordinates (x, y)	0.33, 0.34
Color rendering index (R _a)	100
Color temperature	5500 K

PHYSICAL PROPERTIES

Power	$3.84 \cdot 10^{26}$ W
Luminous efficiency	100 lm/W



