



Light Source Information Leaflet

GENERAL

Type	Halogen incandescent lamp
Product name	Sygonix Halogen lamp 42 W
Light generation process	Electric current conducts through a filament, black body radiation
Application areas	Indoor lighting, decoration
Primary energy	Alternating current (230 V, 50 Hz)

OPTICAL PROPERTIES

Emission maxima	1.10 μm
Centroid wavelength	696 nm (1.78 eV)
Full width @ half emission maximum	
Lumen equivalent	321 $\text{lm}/\text{W}_{\text{opt}}$
CIE1931 chromaticity coordinates (x, y)	0.468; 0.413
Color rendering index (R_a)	100
Correlated color temperature	2609 K

PHYSICAL PROPERTIES

Input Power	42 W_{el}
Luminous efficacy	7.6 $\text{lm}/\text{W}_{\text{el}}$

