



Phosphor Information Leaflet

GENERAL

Name	Lithium europium dimolybdate
Chemical formula	$\text{LiEuMo}_2\text{O}_8$
Application areas	Near UV LEDs

OPTICAL PROPERTIES

Excitation maxima @	394 nm (3.15 eV), 465 nm (3.75 eV), 535 nm (2.32 eV)
Emission maximum @ 465 nm exc.	615 nm (2.90 eV)
Centroid wavelength	629 nm (2.8 eV)
Full width @ half emission maximum	Line
Lumen equivalent	290 lm/W _{opt.}
CIE1931 chromaticity coordinates (x, y)	0.667, 0.332
Band edge of host lattice	300 nm (4.13 eV)
Reflection @ 465 nm	65 %

PHYSICAL PROPERTIES

Body colour	Light pink
Density	4.60 g/cm ³
Refractive index (at λ)	
Mineral type	Scheelite
Crystal system	tetragonal
Space group (#)	141 / a S

