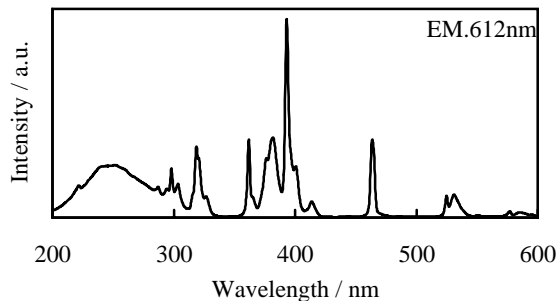
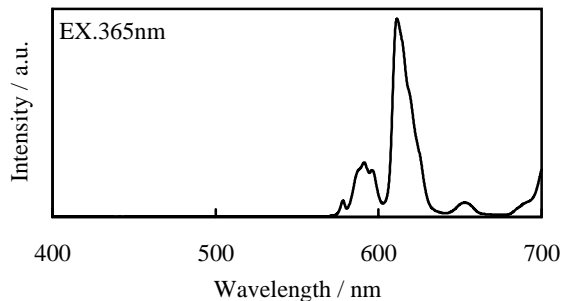
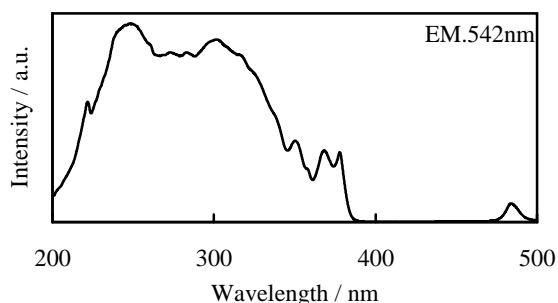
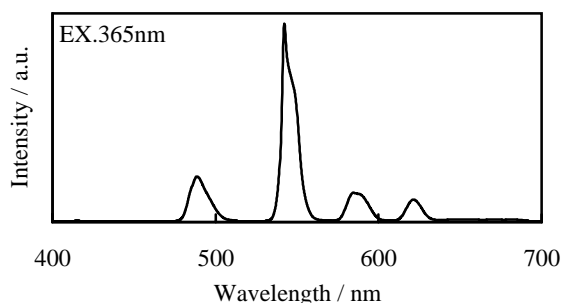


NEW ACTIVE FLUORESCENCE GLASS LUMILASS-R7/G9/B

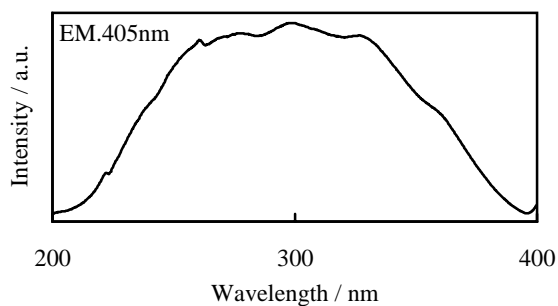
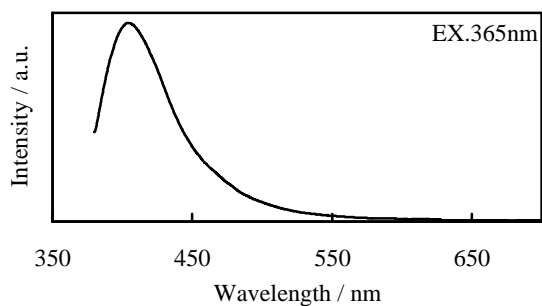
[Fluorescence Spectra] LUMILASS-R7(Red Fluorescence Glass) [Excitation Spectra]



LUMILASS-G9(Green Fluorescence Glass)



LUMILASS-B(Blue Fluorescence Glass)



Optical Properties

	LUMILASS-R7	LUMILASS-G9	LUMILASS-B
Main Fluorescence Wavelength (nm)	610	540	405
Excitation Wavelength Range (nm)	200-420	200-390	200-400
Minimum Sensitivity ($\mu W/cm^2$)	<1	<1	<1
Refractive Index (nd)	1.644	1.694	1.477

Thermal and Mechanical Properties

	LUMILASS-R7	LUMILASS-G9	LUMILASS-B
Transformation Point($^{\circ}C$)	594	660	398
Thermal Expansion ($1/^{\circ}C$)	86×10^{-7}	73×10^{-7}	176×10^{-7}
Specific Gravity (g/cm^3)	3.77	3.76	3.65
Vickers Hardness (Kgf/mm^2)	633	765	344
Young's Modulus ($\times 10^9 Pa$)	90	114	65
Modulus of Rigidity ($\times 10^9 Pa$)	34	44	25