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Electronic Supplementary Information (ESI)

RbBaPO₄:Eu²⁺: A new alternative blue-emitting phosphor for UV- Based white light-emitting diodes

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Table S1. CIE chromaticity coordinates of the RBP, BAM and SMS phosphor in the range from 300 to 380 nm.

Excitation (nm)	RbBaPO ₄ :Eu ²⁺		BaMgAl ₁₀ O ₁₇ :Eu ²⁺		Sr ₃ MgSi ₂ O ₈ :Eu ²⁺	
	CIE	CIE	CIE	CIE	CIE	CIE
	coordinate	coordinate	coordinate	coordinate	coordinate	coordinate
	x	y	x	y	x	y
300	0.1552	0.0421	0.1476	0.0548	0.1387	0.0687
310	0.1552	0.0420	0.1478	0.0545	0.1387	0.0690
320	0.1553	0.0422	0.1475	0.0548	0.1387	0.0692
330	0.1552	0.0423	0.1477	0.0561	0.1388	0.0693
340	0.1552	0.0423	0.1475	0.0569	0.1388	0.0692
350	0.1552	0.0424	0.1473	0.0591	0.1388	0.0694
360	0.1552	0.0424	0.1471	0.0600	0.1387	0.0700
370	0.1551	0.0424	0.1470	0.0605	0.1389	0.0698
380	0.1552	0.0425	0.1473	0.0611	0.1389	0.0698