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White Electroluminescence of Lanthanide Complexes Resulting from Exciplex Formation

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(Supporting Information)

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Table S1. Crystal data and structure refinement details.

	$[Eu_2(acac)_6](\mu\text{-bpm})$	$[Tb_2(acac)_6](\mu\text{-bpm})$	$[Sm_2(acac)_6](\mu\text{-bpm})$
Chemical formula	$C_{38}H_{48}Eu_2N_4O_{12}$	$C_{38}H_{48}N_4O_{12}Tb_2$	$C_{38}H_{48}N_4O_{12}Sm_2$
M/g mol^{-1}	1056.72	1070.64	1053.50
Crystal system	triclinic	triclinic	triclinic
Space group	$P\bar{1}$	$P\bar{1}$	$P\bar{1}$
a/Å	9.2290(4)	9.2276(6)	9.2497(7)
b/Å	9.8631(5)	9.8575(10)	9.9437(10)
c/Å	12.4794(6)	12.4828(13)	12.4584(13)
α/°	107.066(2)	106.977(5)	107.516(5)
β/°	97.152(3)	97.121(6)	96.940(6)
γ/°	96.245(3)	96.480(6)	95.639(6)
V/Å^3	1064.77(9)	1064.22(17)	1073.71(18)
Z	1	1	1
D_{calc}/g cm^{-3}	1.648	1.671	1.629
μ(MoKα)/mm^{-1}	2.980	3.358	2.769
F(000)	526	530	524
Reflections collected	51854	28924	31878
Independent reflections	4032	3981	4046
Observed reflections [$I > 2\sigma(I)$]	3879	3569	3585
R_{int}	0.024	0.037	0.040
Parameters refined	259	259	259
$R1$	0.016	0.031	0.033
$wR2$	0.037	0.074	0.076
S	1.066	1.006	1.011
$\Delta\rho_{min}$/e Å^{-3}	−0.76	−1.50	−1.09
$\Delta\rho_{max}$/e Å^{-3}	0.36	0.67	1.05