

Proposal of performance disclosure 2011/Autumn

Latest PLED performance data 2011/Autumn

Spin/BE data @1000cd/m ²	Red			Green			Blue		
Efficiency [cd/A]	11	19	31	53	59	43	9.4	5.2	6.3
Colour (C.I.E. x,y)	x=0.67 y=0.32	x=0.65 y=0.35	x=0.62 y=0.38	x=0.31 y=0.64	x=0.32 y=0.63	x=0.44 y=0.55	x=0.14 y=0.14	x=0.15 y=0.13	x=0.15 y=0.12
Lifetime* [hrs]	200k	275k	352k	236k	227k	284k	20k	21k	14k
Vd [V]	6.0	4.1	4.2	4.8	4.8	4.9	4.5	4.8	4.8

Lifetime estimated from acceleration test.

Device structure

ITO (45nm)/ spin-coated HIL (50-65nm)/ Interlayer (20nm)/ LEP (60-75nm)/ low-WF cathode

- ✓ RGB common and simple layer structure.
- ✓ Organics are fully solution-processed.



C|D|T