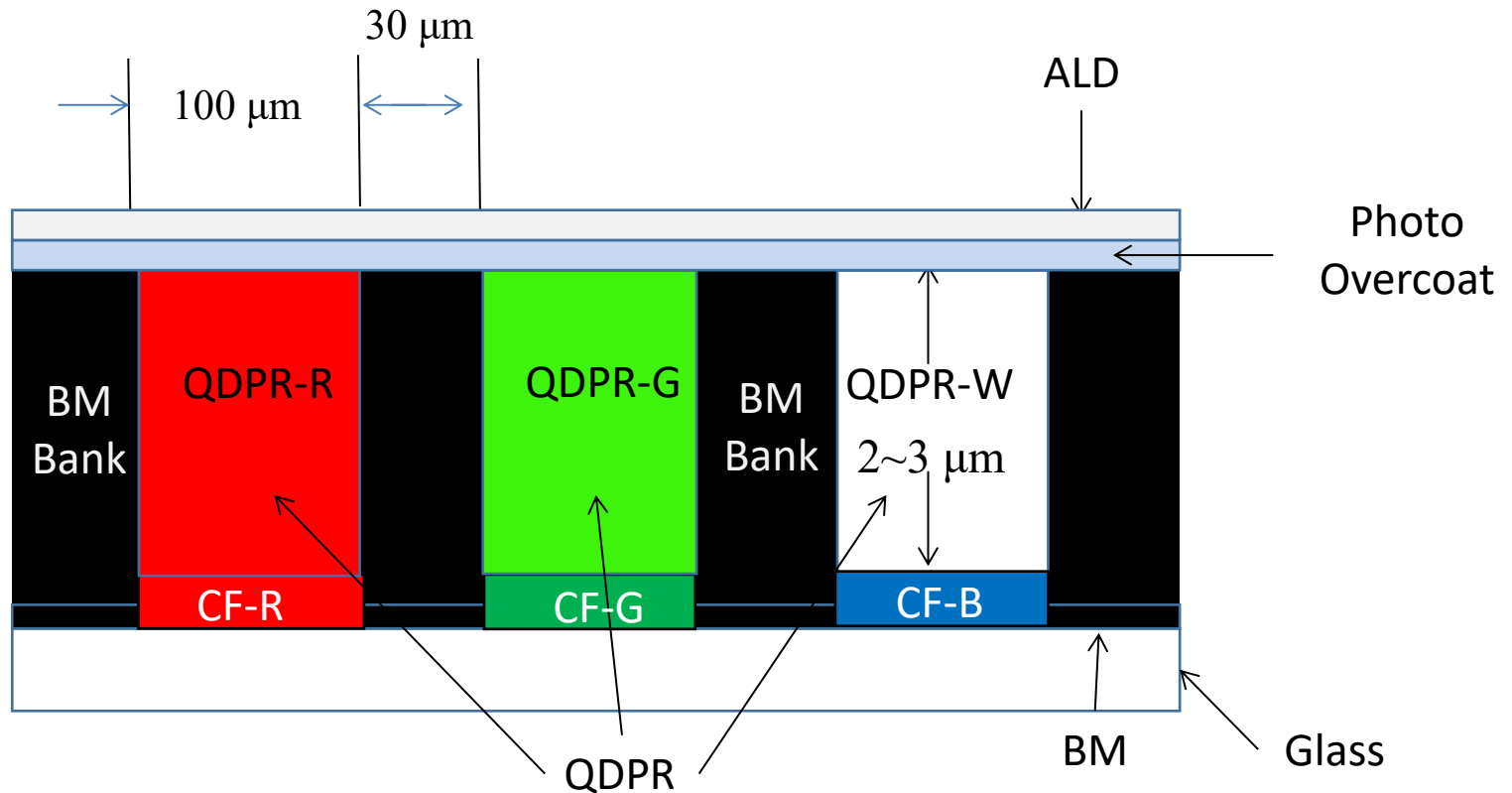


Structure of QDCF For Micro LED TV Application



BM→CF-R→CF-G→CF-B→BM Bank→QDPR-W→QDPR-R→QDPR-G→POC

BM : Suppress Ambient Light Reflection & Color Crosstalk

CF-RGB : Prevent Ambient Light Excitation & Blue Light Leakage

Black Bank Resist SEBK-301

Product	Vis. (cps)	S.C. (%)	OD (μm^{-1})	BT (sec)	Dev. Time (sec)	Adhesion (μm)	THK after PB (at 220rpm) (μm)	OD
301	4.9	24.5	2.5	55	75	30	2.92	>5

Process Parameter	
THK	Control at 3.5~3.6 μm @220rpm before Post-bake
Pre-bake	100°C*2.5min, directly
Power	250mJ/ cm^2 & Gap=0 μm @25mW
Dev.	75sec in 1:99 SEDR-5/ 0.15MPa & 25 °C
Rinse	20sec/ 0.15MPa & 25 °C
HPMJ	10sec/ 0.4MPa & 25 °C
Post-bake	220 °C*30min clean oven

