Supporting Information

Figure S1.

5 Determination of $E(\eta_{\text{max}})$ and $\tau_{50}$ from holographic measurements of PF6-TPD/[60]PCBM.

a) Steady-state data, internal diffraction efficiency plotted versus the external applied field. Vertical line indicates applied field necessary to reach over-modulation of diffraction efficiency $E(\eta_{\text{max}})$.

b) Normalized dynamic internal diffraction efficiency for non-pre-illuminated (black line) and pre-illuminated (grey line) PPC at an applied field of 56.6 V/\mu m, the horizontal line indicates $\tau_{50}$.

Figure S2.

Ratio of Sensitivity upon pre-illumination $S_{\text{gate}}$ and without pre-illumination $S_{\text{no gate}}$ according to Fig.2b.