Mechanism of ESD Shock to LED

When ESD Shock (Normally applied to Reverse bias) is applied to LED Chip dice, it causes leakage current route which has no effect to optical output. VF become very low and cannot be turned on.

Green, Blue chip is very sensitive to the ESD shock compared to RED chip. (Corrective method : Correct assembly Line (Customer) / Using LED built in ESD protection device)