

Effects of DC line voltage environment on different types of compact fluorescent lamps operation

Abstract

Compact fluorescent lamps are tested under DC operating conditions. Five random samples are evaluated in term of their starting and operation response compared to normal AC environment. Experiment result shows that DC line supply has successfully able to start and operate any conventional CFL at almost the same lux level and power consumption rate of 240ac rms.

Keywords;

DC system; CFL; stand-alone solar; renewable energy