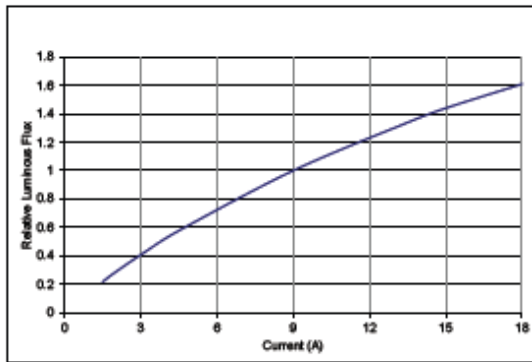


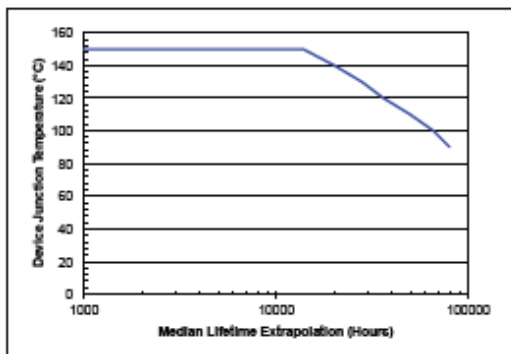
Product data sheet LED for SOM52

Optical & Electrical Characteristics

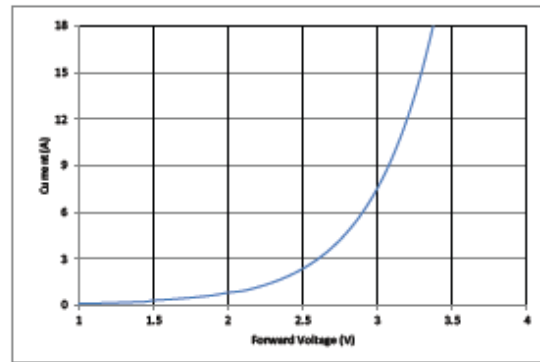
Relative Output Flux vs. Forward Current



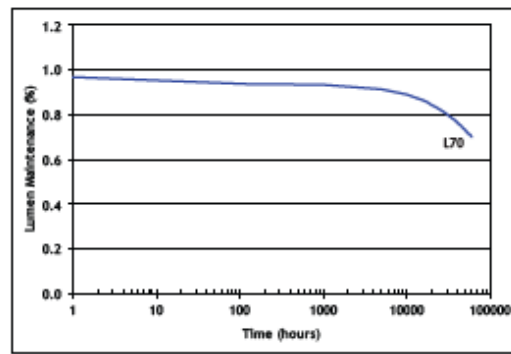
Mean Lifetime¹



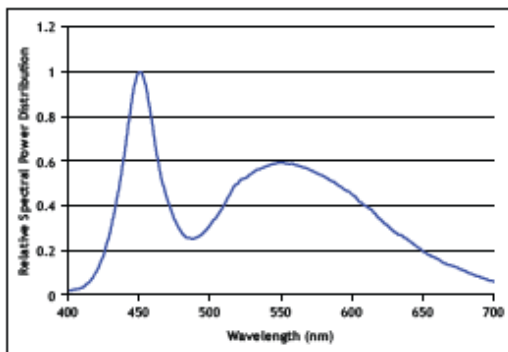
Forward Current vs. Forward Voltage



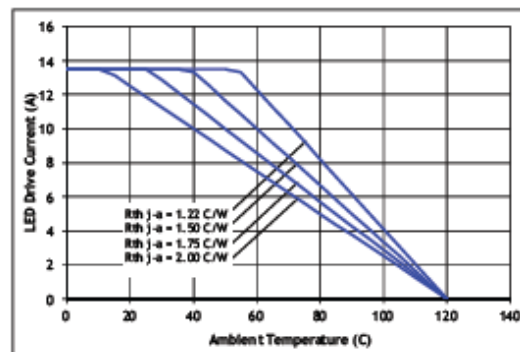
Lumen Maintenance vs. Time²



Typical Spectrum³



Current Derating Curve



Note 1: Mean expected lifetime in dependence of junction temperature at 1.0 A/mm² in continuous operation. Lifetime defined as time to 70% of initial intensity. Based on lifetime test data. Data can be used to model failure rate over typical product lifetime (contact Luminus for lifetime reliability test data for 1A/mm² condition).

Note 2: Lumen maintenance in dependence of time at 1.0 A/mm² in continuous operation with junction temperatures of 130 °C.

Note 3: Typical spectrum at current density of 1.0 A/mm² in continuous operation.