



G2LED: Adjustable Lighting Means Customized Photometrics

G2LED | Second Generational LED Lighting

G2LED goes beyond the traditional ‘cluster of dot LEDs’ and introduces innovative computer controlled channels of lights. G2LED’s advanced electronics creates brilliantly beautiful lighting at the lowest watts per lumen in the industry. *Modern light technology for a modern world.*

G2LED Adjustable Guarantee

- + Exact foot candles match at the task for the least amount of energy
- + 100% 5-yr guarantee against light depreciation



IES TM-21 (In Development)

The Department of Energy’s CALiPER program is developing a Lumen Depreciation Lifetime Estimation Method for LED Light Sources called the TM-21. This will be the first test to point out the importance of application when using LED/SSL technology. G2 LED is awaiting the finalization of this more accurate test.



G2LED Fully Adjustable Lighting: Customer Specified Photometrics

G2LED lights have revolutionary built-in adjustable photometrics. Customers no longer need to compromise light quality, performance or price for desired metrics as G2LED lights are calibrated to unique customer specifications—you specify your requirements and we make the foot candles/LUX needed at task level at the lowest possible draw.

G2LED lights are easily adjusted. Provide us with the mounting height, number of fixtures desired for the project esthetics and required foot candle/LUX at the task level. Only G2LED has this unique feature due to patent-pending optimized thermal and electro-mechanical technologies.

Myth: IES File Ensures Specifications

There is a lot of miscommunication out there about LED lighting and the new standards being established. While we wait for the standards on LED to be refined and published, let’s address the LM-80, the newer LM-80-08 standard, and the LM-79 bulb testing as it applies to LED lighting.

What current tests cannot measure accurately is application heat. Heat is detrimental to Solid State Electronics, think of fans on our PCs. Other LEDs on the market today that have not addressed the heating issue yet have been given credibility by IES’s LM-80 and now the LM-80-08 standard. This test does not give accurate data. The reason is because the LM-80-08 does not take into account the heat within the application of the product. However, many LED manufacturers undergo the test to simply comply to (understandably) streamline the sales process. By not challenging these standards and demanding new testing guidelines, inaccurate data is provided to engineers and ultimately the consumer.

The best example of this is the new screw-in retrofit LED bulbs. When any LED is tested in an LM-80-08, they are in a laboratory environment. When placed into an existing fixture in real world applications, the new, very expensive bulbs face their hardest test. A light hanging under a cabinet vs. a light hanging from the ceiling must be designed completely differently. Stuffing an LED bulb into another company’s fixture designed to have an HID bulb has not taken into account the proper airflow in order to survive five years or more. LEDs made the right way, as we have done, can last more than 20 years. The LM-80-08 only tests allow bad assumptions regarding LED/SSL technology. It is too quick to award a 50,000 lumen hours life expectancy the same way it does with the CFL bulbs for fluorescent technology. The test is too easy for all bulbs, even the old ones we still use today.