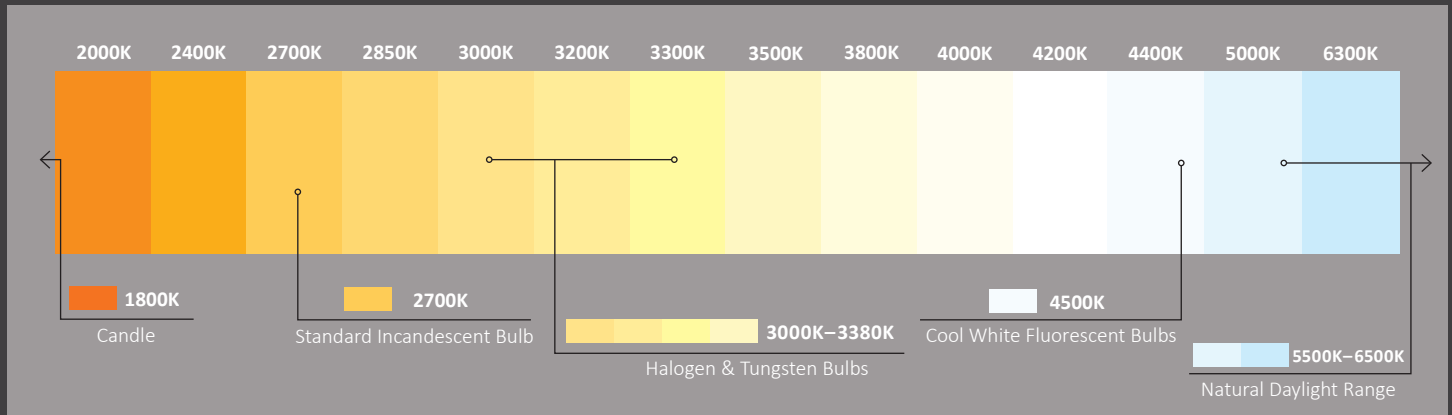


QUALITY LED TAPE LIGHT

Diode LED tape light is available in a wide variety of color temperatures, able to simulate everything from a standard incandescent bulb to natural daylight. At every color temperature, Diode LED tape light is engineered for accurate, true-to-life color rendering. Sources with poor color rendering may cause objects to appear dull and unsaturated or overly saturated and unnatural. Precision manufacturing and rigorous testing, outlined below, are used to ensure that colors are rendered vibrantly and true.

✓ WHITE LIGHT SPECTRUM



✓ PHOTOMETRIC EVIDENCE

LED Lighting performance data comes in many forms. Diode LED relies on **LM-79 Reports** and **TM-30 Metrics** for photometric and performance evaluation of solid-state lighting products. This data covers many specifications including the items mentioned below.

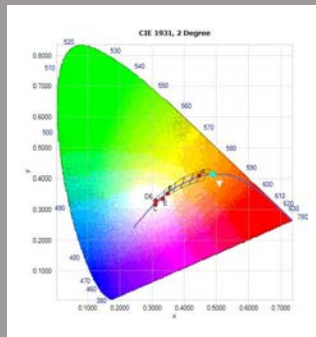
 **LUMINOUS INTENSITY DISTRIBUTION**

 **COLOR CHARACTERISTICS**

 **EFFICACY**


 **TOTAL FLUX**

 **ELECTRICAL POWER**



✓ PRECISION MANUFACTURING

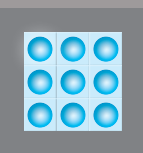
PRODUCTION OF DIODE LED TAPE LIGHT STARTS WITH QUALITY LED CHIP SELECTION

 **LUMEN OUTPUT (LUX)**

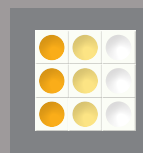
 **COLOR RENDERING INDEX (CRI)**

 **CORRELATED COLOR TEMPERATURE (CCT)**

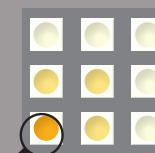
PRODUCTION OF DIODE LED TAPE LIGHT



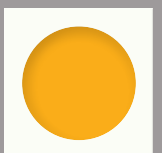
HYPER BLUE LED CORE




PHOSPHOR COATING APPLICATION



SORTING & BINNING



PACKAGED & COMPLETED LED CHIP

 To learn more, visit our website at www.DiodeLED.com/quality-of-light

MANUFACTURING PROCESS



PHOSPHOR APPLICATION. Phosphor Injection creates the most precise photometric output with state-of-the-art technology and yields less waste than traditional spray-coat methods.



QUALITY CHECK. LEDs are inspected by engineers for physical or electrical flaws and irregularities before the sorting process begins.



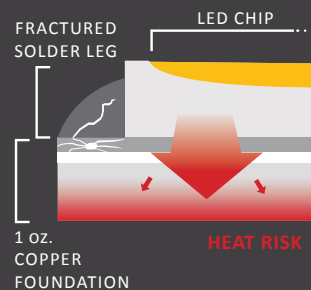
SORTING & BINNING. Each LED chip is sorted and measured by high-precision cameras and computer systems to collect LEDs into batches for accuracy of Correlated Color Temperature (CCT) and Color Rendering Index (CRI) measurements.

GREAT TAPE LIGHT STARTS WITH THE FOUNDATION

Diode LED engineering and manufacturing delivers reliable, high-performing circuit boards offering industry-leading durability and features, including the market's longest maximum run tape light.



COMPETITOR TAPE LIGHT



INFERIOR LED TAPE LIGHT POINTS OF FAILURE

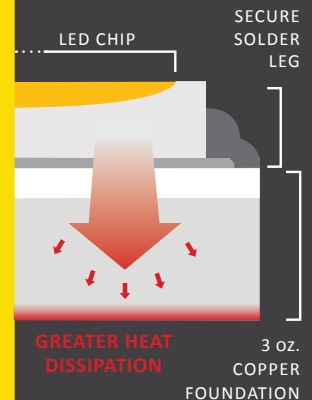
Temperature damage to LED

Stress fractures from weak connections

Fire or burn-out risk from excessive heat build-up

Varied production quality

DIODE LED TAPE LIGHT



DIODE LED TAPE LIGHT OPTIMAL PERFORMANCE

Stronger connections and resilient design

Greater heat dissipation for safety and performance

Increased electricity flow for longer runs

Precise and uniform quality control



To learn more, visit our website at www.DiodeLED.com/quality-of-light