

Designed for Flexible and Bendable LED Strips

DURIS® E 2835 0.2 W

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Solution Overview

ams OSRAM’s latest DURIS® E 2835 LED introduces innovations in both packaging technology and light emissions performance. Featuring a uniquely engineered LED bracket, the product significantly improves reliability in practical applications and reduces deformation caused by bending stress, making it well-suited for the use in flexible LED strips.

Solution Advantages and Key Features

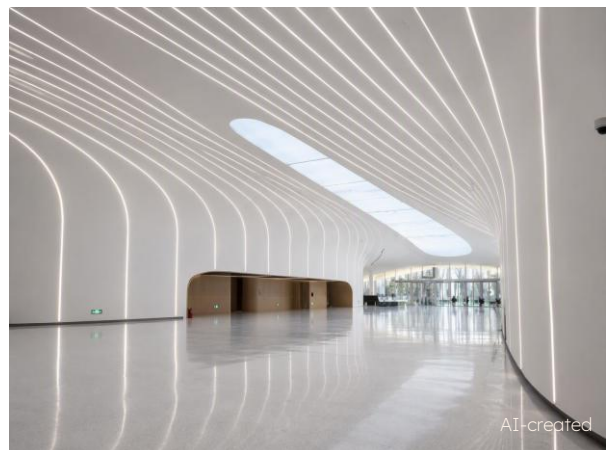
Benefits	Features
Flexible LED strips	Sturdy, bend-resistant LED design
Ultra-high CRI	Available in CRI80, CRI90, and CRI97 options
Multiple color temperature options	CCT ranging from 2,200K to 6,500K, with customized 2,400K CCT option for encapsulated LED strips
Extended lifespan	L70 & L90 rated for over 50,000 hours of operation
Flexible system design	Enable multiple configurations with 3V & 18V

Product Portfolio

Device name	min CRI	CCT range (K)	Binning (mA)	typ. Vf (V)	CCT (K)	typ. Flux (lm)	typ. Eff (lm/W)
GW JTLMS3.EM	80	2200 - 6500	60	3.15	3000	25	132
GW JTLMS3.CM	90	2200 - 6500	60	2.92	3000	23.5	135
GW JTLMS3.GM	97	2200 - 6500	60	2.95	3000	18.5	105
GW JTL6S3.EM	80	2200 - 6500	10	17.57	3000	25.5	145
GW JTL6S3.CM	90	2200 - 6500	10	17.57	3000	23.5	134

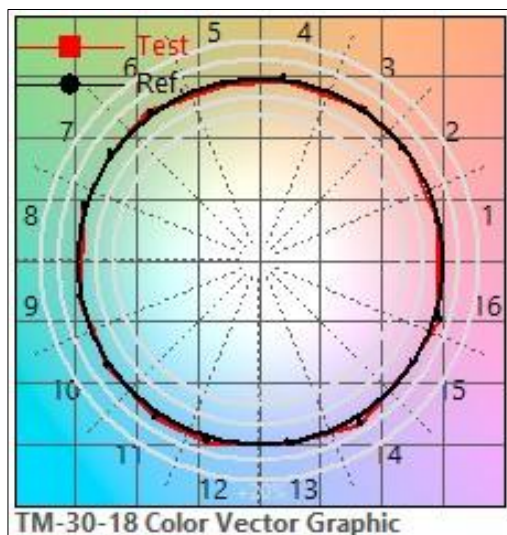
Applications

- Linear or flexible LED strip lighting
- LED packages requiring soldering onto flexible substrates
- Irregularly shaped outdoor lights or strips that require waterproof encapsulation
- 18V versions suitable to “one-light-one-cut” strip application where user can cut the strip precisely after every single LED



Near Perfect TM-30 color match

More than just high CRI! Boasting a near-perfect match to the TM-30 color vector graphic, the [DURIS E 2835 0.2W](#) delivers absolute visual fidelity. Specifically, the **GW JTLMS3.GM** variant ensures complex, multi-toned colors remain entirely true to life, eliminating shifts or distortions across varying lighting environments.



Maximize design freedom - One Light One Cut

Integrating an independent, parallel-connected resistor with each individual LED package creates a robust "one-light, one-cut" architecture. This design provides engineers and end-users with unparalleled installation flexibility, allowing the linear strip to be severed at any single-LED increment to fit exact architectural dimensions without leaving non-functional segments. Because each isolated node operates as a self-contained functional block, a failure in one component will not disrupt the rest of the array, ensure structural reliability and eliminate material waste.

