



Light is uniform DURIS[®] E family

High efficacy LEDs for more efficient lighting

Light is OSRAM

OSRAM
Opto Semiconductors

Perfect homogeneity and high efficiency for cost sensitive applications

DURIS® E, a mid-power LED portfolio from OSRAM Opto Semiconductors, is ideal for efficient and homogeneous lighting applications. An industrial standard footprint with the combination of a small/medium lumen package and a wide beam angle is perfect for uniform light distribution.



Advantages

Benefit from homogeneous illumination and optimized cost-performance ratio

The DURIS® E meets the user requirements for consumer applications. That's why they are the preferred choice for replacing fluorescent tubes or light bulbs in the field of home, shop and office.

Applications

- Linear lights including fluorescent replacement lamps
- Area lights including troffer and panel lights
- Signage e.g. channel letters
- Industry applications e.g. white goods
- Retrofit bulbs
- Edge lighting (DURIS® E 3)



Features DURIS® E 2835

- Footprint of 2.8 mm × 3.5 mm
- Value package with optimum lumen package to retrofit and linear light
- Viewing angle of 120° ideal for homogeneous linear light distribution
- With high value in lumen per dollar

Features DURIS® E 5

- Footprint of 5.6 mm × 3.0 mm
- Long lifetime even at high temperatures and high currents (L70/B50 > 50,000 h at T_j = 120 °C and I_f = 180 mA)
- Viewing angle of 120° ideal for homogeneous linear light distribution
- High efficacy device with industrial standard footprint

Features DURIS® E 3

- Footprint of 3.0 mm × 1.4 mm
- Compact light source in cost-effective PLCC package
- Stable brightness over lifetime
- Viewing angle of 120° ideal for homogeneous linear light distribution

DURIS® E 2835

Type	Typ. R _{th, JS el} (K/W)	Available CCT range (K)	CRI min.	Typ. Luminous flux (lm)	Typ. Efficacy (lm/W)	Max. Current (mA)	Typ. Binning current (mA)	Typ. Binning temperature (°C)	Typ. Binning voltage (V)	ESD withstand voltage (kV)	Binning CCT (K)
GW JTLMS1.EM	35	2,200–6,500	80	27.0	150	150	60	25	3.00	2.00	5,000
GW JTLMS1.CM	28	2,200–6,500	90	23.0	126	150	60	25	3.00	2.00	4,000
GW JTLRS1.EM	13	2,200–6,500	80	118.0	123	120	100	25	9.60	2.00	2,700
GW JTLRS1.CM	13	2,200–6,500	90	102.0	107	150	100	25	9.50	2.00	2,700
GW JTLPS1.EM (STD)	15	2,200–6,500	80	70.0	153	250	150	25	3.05	2.00	4,000
GW JTLPS1.EM (PLUS)	9.8	2,200–6,500	80	74.0	162	250	150	25	3.05	2.00	4,000
GW JTLPS1.CM (STD)	16	2,200–6,500	90	60.0	131	250	150	25	3.05	2.00	4,000
GW JTLPS1.CM (PLUS)	17	2,200–6,500	90	62.0	136	250	150	25	3.05	2.00	4,000
GW JTLPS2.EM	15	2,200–6,500	80	67.0	146	250	150	25	3.05	5.00	4,000
GW JTLPS2.CM	16	2,200–6,500	90	58.0	126	250	150	25	3.06	5.00	4,000



DURIS® E 3

Type	Typ. R _{th, JS el} (K/W)	Available CCT range (K)	CRI min.	Typ. Luminous flux (lm)	Typ. Efficacy (lm/W)	Max. Current (mA)	Typ. Binning current (mA)	Typ. Binning temperature (°C)	Typ. Binning voltage (V)	Binning CCT (K)
GW JCLPS2.EM	24	2,000–6,500	80	31.5	159	150	65	25	3.05	5,000
GW JCLPS2.CM	24	2,700–6,500	90	26.0	131	150	65	25	3.05	4,000



DURIS® E 5

Type	Typ. R _{th, JS el} (K/W)	Available CCT range (K)	CRI min.	Typ. Luminous flux (lm)	Typ. Efficacy (lm/W)	Max. Current (mA)	Typ. Binning current (mA)	Typ. Binning temperature (°C)	Typ. Binning voltage (V)	Binning CCT (K)
GW JDSTS2.CM (PLUS)	12	2,700–6,500	90	30.0	164	180	65	25	2.80	4,000
GW JDSTS2.EM (ECO)	20	2,700–6,500	80	34.1	181	180	65	25	2.90	5,000
GW JDSTS2.EM (STD)	16	2,700–6,500	80	35.3	191	180	65	25	2.85	5,000
GW JDSTS2.EM (PLUS)	12	2,700–6,500	80	36.5	201	180	65	25	2.80	5,000
GW JDSTS3.EM	7.1	2,700–6,500	80	37	207	180	65	25	2.75	5,000





DURIS® E on the Internet:
www.osram-os.com/duris-e

For further information on the available products please visit our product catalog at www.osram.com/general-lighting

LED Light for you Network
www.ledlightforyou.com



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