

Light is uniform DURIS[®] E Family

High efficacy LEDs for more efficient lighting

Light is OSRAM



Official WeChat Code

OSRAM
Opto Semiconductors

Perfect homogeneity and high efficiency for cost sensitive applications

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



Advantages

Benefit from homogeneous illumination and exceptional cost-effectiveness

The DURIS® E meets the user requirements for cost sensitive 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 in indoor general lighting, e.g. Residential, Office

- Linear lights including fluorescent replacement lamps
- Area lights including troffer and panel lights
- Signage e.g. channel letters
- Industry applications e.g. white goods

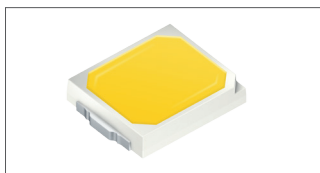


Features DURIS® E 2

- Smallest E series footprint of 2.0 mm × 1.6 mm
- Viewing angle of 120° ideal for homogenous linear light distribution
- Very compact size with solder cost saving and space saving
- Cost optimized with high value in lumen per dollar

DURIS® E 2

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 JBLMS2.EM	35	2,700–6,500	80	25.0	127	100	65	25	3.10	4,000



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 homogenous linear light distribution
- With high value in lumen per dollar

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)	Binning CCT (K)
GW JTLMS1.EM	35	2,700–6,500	80	27	150	120	60	25	3.0	5,000
GW JTLRS1.EM	13	2,700–6,500	80	113	118	120	100	25	9.6	3,000



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 homogenous linear light distribution
- Mid efficacy device with industrial standard footprint

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)
LCW/LUW JNSH.EC	100	2,400–6,500	80	7.9	130	30	20	25	3.05	5,000
LCW/LUW JNSH.PC	100	3,000–6,500	70	8.6	141	30	20	25	3.05	5,000
GW JCLMS1.EC	41	2,700–6,500	80	27.0	134	150	65	25	3.10	5,000
GW JCLPS2.EM	24	2,700–6,500	80	30.0	153	150	65	25	3.02	5,000



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 $T_j = 120^\circ\text{C}$ and $I_f = 180\text{ mA}$)
- Viewing angle of 120° ideal for homogenous linear light distribution
- High efficacy device with industrial standard footprint

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 JDSMS1.EC	24	2,400–6,500	80	49.0	130	180	120	25	3.15	5,000
GW JDSMS1.PC	24	3,000–6,500	70	52.0	138	180	120	25	3.15	5,000
GW JDSMS1.CC	24	2,700–4,000	90	43.0	114	180	120	25	3.15	4,000
GW JDSRS1.EC	16	2,700–6,500	80	56.0	156	180	120	25	3	5,000
GW JDSRS1.CC	16	2,700–4,000	90	47.0	131	180	120	25	3	4,000
GW JDSTS2.EM (PLUS)	12	2,700–6,500	80	36.5	201	180	65	25	2.80	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 (ECO)	20	2,700–6,500	80	34.1	181	180	65	25	2.90	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 <http://catalog.osram-os.com>

More information about LED in General Lighting:

LED Light Site
ledlight.osram-os.com

LED Light for you Network
www.ledlightforyou.com



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