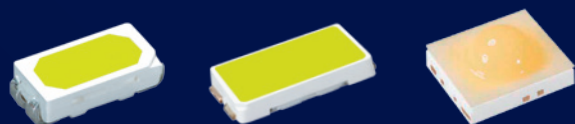


DURIS[®] E and DURIS[®] P

Perfectly homogeneous and highly efficient

The DURIS[®] E and P from OSRAM Opto Semiconductors are the new low- and mid-power LEDs – 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.



OSRAM
Opto Semiconductors



Linear lighting



Light bulbs



Linear and area lighting



Linear lighting

DURIS® E at a glance

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

Features DURIS® E

- Footprint of 3.0 mm x 1.4 mm (DURIS® E 3) / 5.6 mm x 3.0 mm (DURIS® E 5)
- Compact light source in cost-effective PLCC package
- Stable brightness over lifetime
- High efficacy of typ. 110 lm/W @ 5000 K (DURIS® E 3) / typ. 110 lm/W @ 5000 K (DURIS® E 5)

DURIS® P 5 at a glance

The DURIS® P 5 is a highly efficient mid-power LED with long lifetime also at high currents and high temperatures. It also offers superior corrosion resistance. These features make the LED ideal for high-quality professional lighting applications.

Features DURIS® P 5

- Footprint of 2.6 mm x 2.2 mm
- Long lifetime also at high temperatures and high currents (L70/B50 > 50,000 h at T_j = 125°C and I_f = 200 mA)
- High efficacy of up to 110 lm/W @ 3000 K
- Superior corrosion resistance for high-quality lighting solutions
- High maximum forward current of 200 mA

Features of all types

- Low-/mid-power LEDs with wide beam angle for homogeneous light distribution
- Compact size for perfect second-board reliability
- High efficacy

Applications of all types

The efficient DURIS® E and P can be used in a variety of applications:

- Homes
- Shops
- Offices
- Industries, e.g., white goods
- Hospitality
- Signage, e.g., channel letters

DURIS® E 3				
Type	Color	Color temp.	Typ. CRI	Typ. Luminous Flux (20 mA)
LCW JNSH.PC	neutral white	5000 K	72	7.4 lm
LCW JNSH.PC	neutral white	4000 K	72	7.3 lm
LCW JNSH.PC	warm white	3000 K	72	6.8 lm
LUW JNSH.EC	ultra white	6500 K	85	7.0 lm
LUW JNSH.EC	ultra white	5700 K	85	6.9 lm
LCW JNSH.EC	neutral white	5000 K	85	6.9 lm
LCW JNSH.EC	neutral white	4000 K	85	6.5 lm
LCW JNSH.EC	warm white	3500 K	85	6.3 lm
LCW JNSH.EC	warm white	3000 K	84	6.2 lm
LCW JNSH.EC	warm white	2700 K	82	6.0 lm



DURIS® E 5				
Type	Color	Color temp.	Typ. CRI	Typ. Luminous Flux (120 mA)
LUW JDSH.EC	ultra white	6500 K	85	43 lm
LUW JDSH.EC	ultra white	5700 K	85	44 lm
LCW JDSH.EC	neutral white	5000 K	85	43 lm
LCW JDSH.EC	neutral white	4000 K	85	42 lm
LCW JDSH.EC	warm white	3500 K	85	41 lm
LCW JDSH.EC	warm white	3000 K	84	40 lm
LCW JDSH.EC	warm white	2700 K	82	38 lm



DURIS® P 5				
Type	Color	Color temp.	Min. CRI	Typ. Luminous Flux (100 mA)
GW DASPA1.EC	neutral white	5000 K	80	32 lm
GW DASPA1.EC	warm white	4000 K	80	30 lm
GW DASPA1.EC	warm white	3000 K	80	29 lm



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

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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