



Light is revolutionary The new DURIS® S 8

Combines mid power SMT package technology with
the high performance of Chip on Board

Light is **OSRAM**

OSRAM
Opto Semiconductors



Advantages

DURIS® S 8 is part of the revolutionary OSRAM Opto Semiconductor's Chip ARRAY SMD (CAS) family. This multi chip device family brings the well know advantages of mid power SMT package technology into the high luminous flux performance of COB devices. It allows completely new designs in the area of directional lights and retrofits as well as high luminous flux clusters.

Features

- Footprint: 5.0 mm × 5.0 mm
- Various luminous flux packages from one package family
- Small light emitting surface improves optical behavior in directional lighting
- Low thermal resistance to enable high operating power
- Provides a cheaper alternative to smaller lumen COBs

- Optimized driver efficiency and costs due to higher voltage option
- Full range of color temperatures: 2,700 K – 6,500 K (white)
- Test results according IESNA LM-80 available

Applications

DURIS® S 8 is a perfect solutions for all directional lights and also a perfect replacement of small clusters of mid power LEDs, providing the advantage of a single spot appearance.

- Directional lights for shops, hospitality and home
- Directional retrofits (e.g. MR16)
- Non directional retrofits (e.g. A-Lamps)
- High luminous flux clusters, e.g. High Bay lights

DURIS® S 8

Type	Typ. R _{th el} (K/W)	CCT (K)	CRI min.	CRI typ.	Typ. Luminous flux (lm)	Typ. Efficacy (lm/W)	Max. Current (mA)	Typ. Binning current (mA)	Typ. Binning temperature (°C)	Typ. Voltage (V)	Typ. CCT (K)
GW P9LM31.EM	4.4	2,700 – 6,500	80	83	370	133	200	150	25	18.6	3,000
GW P9LR31.EM	3.5	2,700 – 6,500	80	83	500	134	200	150	25	24.8	3,000
GW P9LR32.EM	3.5	2,700 – 6,500	80	83	500	134	800	600	25	6.2	3,000
GW P9LR33.CM	3.5	2,700 – 4,000	90	92	390	105	200	150	25	24.8	3,000
GW P9LT31.EM	2.6	2,700 – 6,500	80	83	610	131	200	150	25	31	3,000
GW P9LT31.CM	4.1	2,700 – 4,000	90	92	480	103	200	150	25	31	3,000
GW P9LT32.EM	2.6	2,700 – 6,500	80	83	610	131	1000	750	25	6.2	3,000



DURIS® S8 on the Internet: www.osram-os.com/duris-s8

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