



## DURIS<sup>®</sup> S 8 and OSCONIQ<sup>®</sup> S 5050

Benefit from high quality and latest technologies



**Light is OSRAM**

**OSRAM**  
Opto Semiconductors





Outdoor Lighting



Industrial high bay lighting



Floodlights

High power LEDs from OSRAM Opto Semiconductors offer optimum performances for high efficacy luminaires. Their high lumen packages enable lighter and smaller fixture designs, provide an excellent corrosion resistance, great lifetime and best in class Color-over-Angle and Color Stability in a 5050 package.

### Advantages

#### DURIS® S 8

This multi-chip LED family combines the advantages of mid-power SMT package technology with high luminous flux performance.

#### OSCONIQ® S 5050

The enhanced corrosion stability, superior lifetime and ESD protection up to 8kV make it an ideal candidate for street lighting, high bays and tunnel lighting applications. Due to the symmetric light output, it offers improved light uniformity in combination with secondary optics.

### Features

#### DURIS® S 8

- Package: white SMT package, colored diffused silicone resin
- Typ. Radiation: 120° (Lambertian emitter)
- Color temperature: 2,200K - 6,500K
- CRI: 80 (min.)
- ESD: 2 kV acc. to ANSI/ESDA/JEDEC JS-001 (HBM)
- Luminous Flux: typ. 190 lm @ 3,000 K
- Luminous efficacy: typ. 190 lm/W @ 3,000 K

#### OSCONIQ® S 5050

- Package: white SMT package, colored diffused resin
- Typ. Radiation: 120° (Lambertian emitter)
- Color temperature: 3,000 K - 6,500 K
- CRI: 70 (min.)
- ESD: 8 kV acc. to ANSI/ESDA/JEDEC JS-001 (HBM, Class 3B)
- Luminous Flux: typ. 217 lm @ 4,000 K
- Luminous efficacy: typ. 218 lm/W @ 4,000 K

### Applications

- High Bay
- Flood Lights
- Industrial Lighting
- Street Lighting
- Tunnel Lighting
- Outdoor Lighting

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. Voltage (V)	Binning CCT (K)
<b>DURIS® S 8</b>										
GW P9LR34.PM	1.5	3,000 – 6,500	70	207	207	200	45	25	22.2	4,000
GW P9LR34.EM	1.5	2,200 – 6,500	80	190	190	200	45	25	22.2	4,000
GW P9LR35.PM	1.5	3,000 – 6,500	70	215	215	1,050	180	25	5.5	4,000
GW P9LR35.EM	1.5	2,200 – 6,500	80	190	190	800	180	25	5.5	4,000
<b>OSCONIQ® S 5050</b>										
GW Q9LR31.PM	1.5	3,000 – 6,500	70	217	218	265	45	25	22.1	4,000
GW Q9LR32.PM	1.5	3,000 – 6,500	70	217	218	1,050	180	25	5.52	4,000



For more technical details, please visit our product pages [www.osram-os.com](http://www.osram-os.com)



**DURIS® S 8 on the internet:**  
[www.osram-os.com/duris-s8](http://www.osram-os.com/duris-s8)



**OSCONIQ® S 5050 on the internet:**  
[https://www.osram.com/os/products/product-promotions/led-for-general-lighting/osconiq\\_s.jsp](https://www.osram.com/os/products/product-promotions/led-for-general-lighting/osconiq_s.jsp)

For further information on the available products please visit our product catalog at [www.osram.com/general-lighting](http://www.osram.com/general-lighting)

**LED Light for you Network**  
[www.ledlightforyou.com](http://www.ledlightforyou.com)



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