



Always one step ahead

Setting new standards: The new OSRAM DURIS® S 8 – small, bright and best fit for indoor illumination.



OSRAM
Opto Semiconductors

Exactly what you need

OSRAM Opto Semiconductors is setting new standards once again: DURIS® S 8 is a revolutionary compact high-power LED for indoor illumination, including directional and omnidirectional retrofit lamps. With high luminous flux out of only one small LED package, high forward voltage and high color consistency it provides totally new opportunities for all indoor lighting and especially directional retrofit applications.

Advantages

Lower costs and higher quality

The DURIS® S 8 allows different luminous flux packages with only one LED type. It saves costs on secondary parts within the luminaire, reduces assembly efforts and simplifies logistics. Compared to PPA packages, DURIS® S 8 also offers higher lifetime and higher possible solder point temperatures. And with its higher forward voltage (20.0/26.6 V) it optimizes driver efficiency and costs.

Features

- Different 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
- High operating temperatures up to 110 °C solder point temperature permitted
- Small footprint for clustering
- Higher lifetime than PPA packages
- Optimized driver efficiency and costs due to higher voltage option
- Compact light source in white SMT package, colored diffused silicone resin
- Viewing angle at 50 % Iv: 120°
- Color: 2700/3000/4000 K (white) – 3500/5000/5700/6500 K soon available

Applications

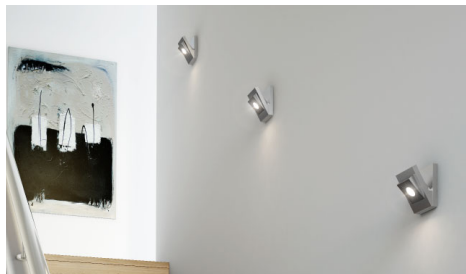
- Directional retrofits, such as MR16, PAR16, AR111
- Downlights
- Spot lights
- Omnidirectional retrofits



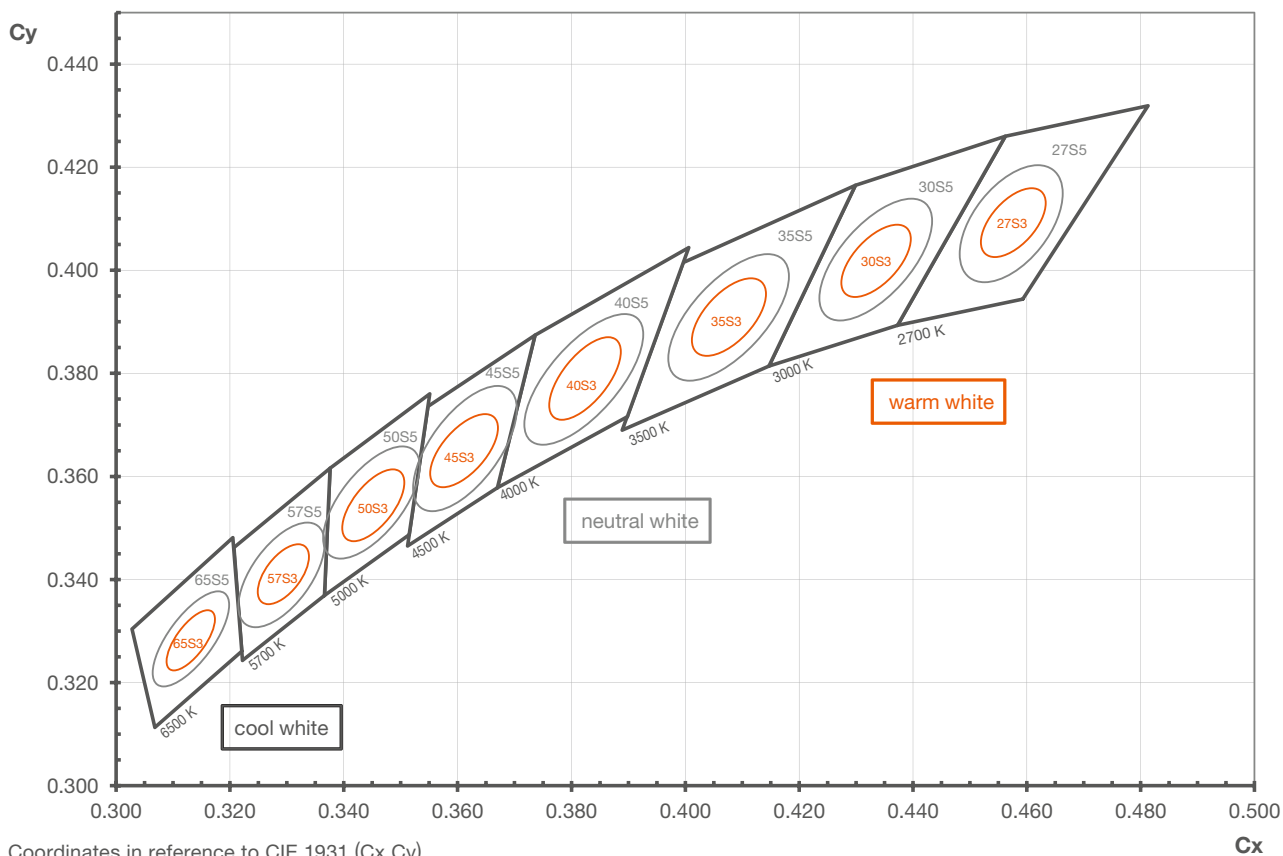
Attractive opportunities for state-of-the-art indoor lighting and retrofit solutions



Innovative LED solutions for classical downlights and spot light applications



Preparing the way for new high-quality and cost-efficient LED luminaire design



DURIS® S 8 white binning

Binning for the DURIS® S 8 simplifies the design of luminaires. The maximum color deviation defined by this binning corresponds to what is most commonly required by the market and most widely used in today's lighting applications: a 5-step MacAdam ellipse. For projects with the highest demand for color consistency, a premium selection corresponding to a 3-step MacAdam ellipse is available as well.

DURIS® S 8 (typ. values at 3000K)

Type	Color	CCT	Min. CRI	Binning current	Forward current	Operating temperature	Typ. Luminous Flux	Typ. Forward Voltage	Typ. Efficacy
GW P9LMS1.EM	white	2700 K – 6500 K	80	200 mA	10 – 240 mA	-40 – 110 °C	390 lm	20.0 V	98 lm/W
GW P9LRS1.EM	white	2700 K – 6500 K	80	200 mA	10 – 240 mA	-40 – 110 °C	500 lm	26.6 V	94 lm/W



DURIS® S 8 on the Internet:
www.osram-os.com/duris-s8

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


OSRAM LED
CREATING TOMORROW
www.osram.com/led

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