



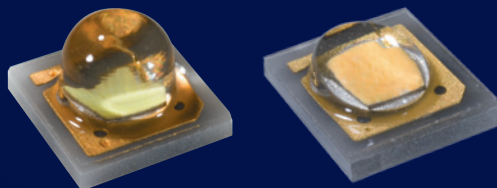
LED

OSLON® SSL 80 and 150

The first power duo with sophisticated radiation patterns

With the OSLON® SSL 80 and 150 OSRAM Opto Semiconductors once again proves its leadership in innovation. The two highly compact LED light sources are the first to offer a sophisticated beam angle.

The combination of high efficiency and high power make cost-effective and sustainable lighting solutions possible – for any application.



OSRAM
Opto Semiconductors

OSLON® SSL 80 and 150



Downlights



Task light

Advantages

Compact

OSLON® SSL is the smallest High Power Lighting LED in a 1-W package available today.

Efficient

OSLON® SSL is a powerful LED offering top efficiency at higher currents up to 1 A. This enables cost-efficient, resource-saving design that requires not only fewer LEDs, but also fewer and smaller peripheral components – ideal for “green” lighting solutions.

Powerful

The 1-W package features OSRAM's latest power chip technology that delivers outstanding efficiency at all currents. Combined with the device's excellent thermal management, OSLON® SSL is the perfect component in slim, compact, and sophisticated lighting design.

Features

- The first power LED with sophisticated beam angles (80°/150°)
- Ultra-compact footprint for high-density arrays saving space and simplifying color mixing (just 3 x 3 mm)
- Neutral to warm white capable of high power up to 0.7 A, cool white up to 1 A
- Compact and symmetrical, allows dense clustering for high flux packages
- Thermal resistance of R_{thj-s} (typ.) 7 K/W
- Lifetime of more than 50,000 hours, depending on application conditions

OSLON® SSL 80 at a glance

- The OSLON® SSL 80 offers a pre-focused radiation pattern (80°) to efficiently couple in secondary optics or for direct lighting without any secondary optics.
- The package is perfect for spot lights.

OSLON® SSL 150 at a glance

- The OSLON® SSL 150 provides a wide radiation pattern (150°). It allows perfect interaction with reflectors of various designs. This makes solutions possible that are more efficient than competing products.
- Its optical distribution makes it easier to mix the color of LED clusters. The flat form of the lens avoids internal shading effects in tight clusters.

Applications

Home, office and shop

- Retrofits & fixtures (e. g. fluorescent replacement)
- Spotlights
- Task lights
- Shelf lighting
- Downlights

Architecture and hospitality

- Color changing fixtures (colored, white, decorative, etc.)
- Entertainment
- Stage and studio lighting



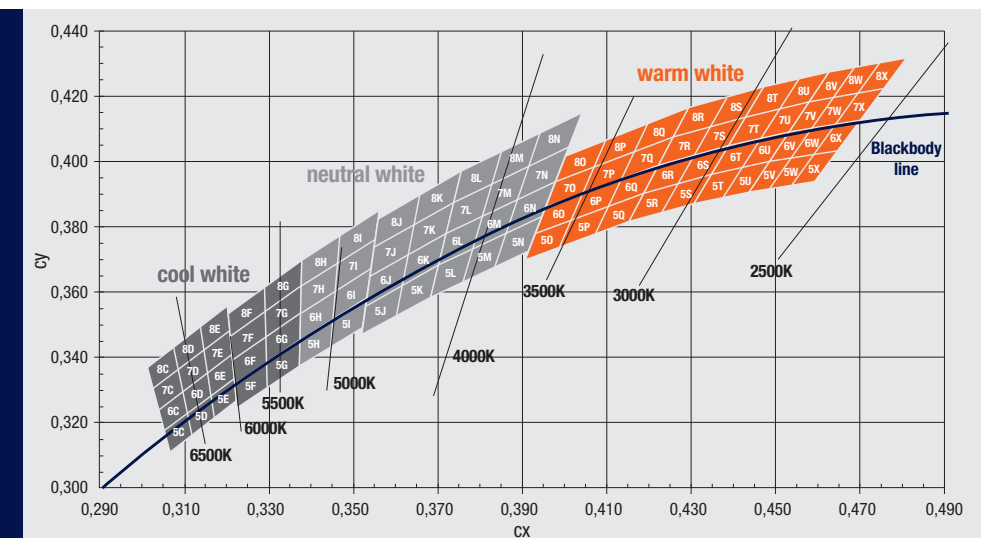
Downlights



Pendant luminaire

OSLON® SSL Type	Type 80	Type 150	Color	CCT/Wavelength	Typ. Brightness
LCW CQ7P	LCW CQDP	LCW CQDP	warm/neutral white	2700 K - 5000 K	94 lm @ 4000 K (350 mA)
LUW CQ7P	LUW CQDP	LUW CQDP	cool white	5000 K - 6500 K	116 lm @ 6000 K (350 mA)
LD CQ7P	LD CQDP	LD CQDP	deep blue	449 - 461 nm	480 mW (350 mA)
		LB CPDP	blue	446 - 476 nm	28 lm (350 mA)
LT CP7P	LT CPDP	LT CPDP	true green	513 - 537 nm	92 lm (350 mA)
LY CP7P	LY CPDP	LY CPDP	yellow	583 - 595 nm	50 lm (400 mA)
LA CP7P	LA CPDP	LA CPDP	amber	612 - 624 nm	70 lm (400 mA)
LR CP7P	LR CPDP	LR CPDP	red	620 - 632 nm	55 lm (400 mA)
LH CP7P	LH CPDP	LH CPDP	hyper red	644 - 666 nm	320 mW (400 mA)

OSLON® SSL white binning
OSLON® SSL LED are available in different color temperatures from warm white 2700 K up to cool white 6500 K. OSRAM Opto Semiconductors' fine white binning based on the three-step MacAdams ellipse enables color consistency for any lighting application.



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For further information on the available products please visit our product catalog at <http://catalog.osram-os.com>