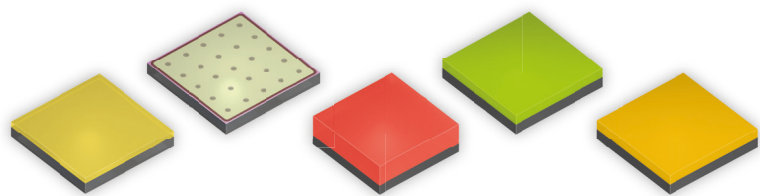




Image: Fotograf Holm Basedow, Bildrechte Atelier SHA

OSLON[®] Pure Family

Highest luminance at smallest size



Light is OSRAM

OSRAM
Opto Semiconductors



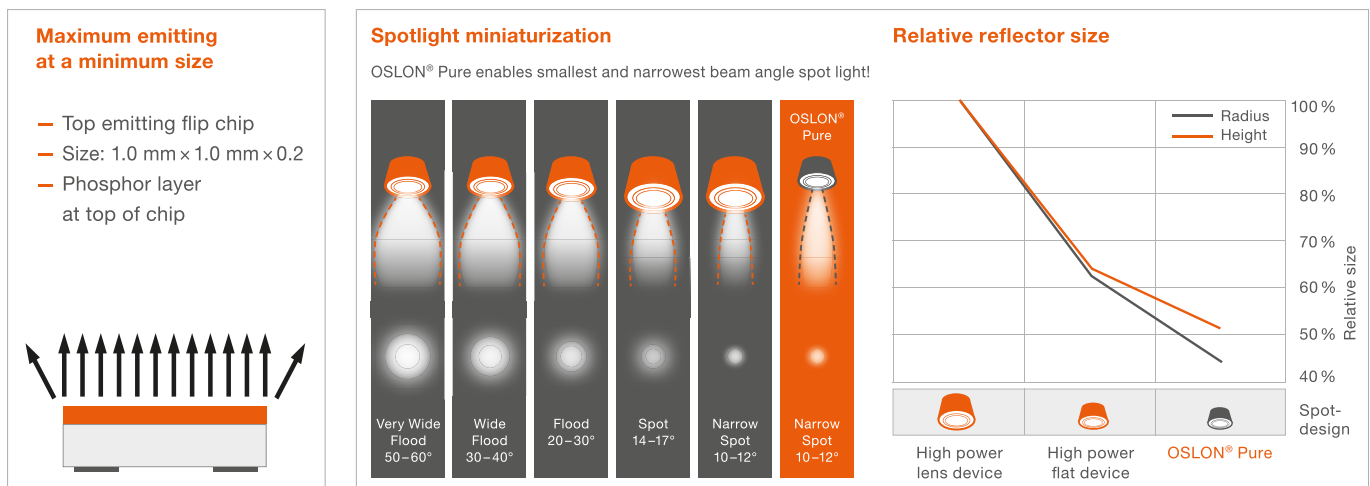
The light for a more effective presentation

Perfect lambertian emitters with real chip scale package for small luminaire designs

OSRAM Opto Semiconductors' new OSLON® Pure LEDs are lambertian emitters at real chip scale package presenting the highest luminance available on the market. Their superior quality without bond wires or need for spacing makes them the perfect fit for dense clustering and high luminous flux

output. Seamless and flexible assembly on boards also enables customer specific CoB-replacements. OSLON® Pure provides lambertian emission at smallest form factor possible for 1 mm² die, simplifying luminaire design.

OSLON® Pure 1010





Features and Benefits

- Real Chip Scale Package (1.0 × 1.0 mm) with top emitter perfect fit for high dense clustering, tunable CCT and miniature narrow viewing angle spot light
- Best in class Color over Angle (CoA)
- Available with CRI 80, 90
- Wide range of CCT selection
- Amount and format of OSLON® Pure assembly can match all sorts of requirements for luminous flux and efficacy
- Small LES customized color spectrum feasible, color mixing before secondary optics
- Perfect for customized arrays in Spot-, Downlights & color tunable applications

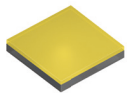
The OSLON® Pure 1010 is destined to be used in spotlights for retail lighting where exceptionally compact LEDs with high light output are needed to bathe the articles on display in a particularly attractive light. The scalability of the LEDs gives customers outstanding flexibility in putting together

Applications

- High class retail lighting
- Brand fashion boutiques
- Jewelry stores
- Customized CoB designs
- Small luminaire designs Studio Lighting
- Architectural Lighting
- Special Spectrum Lighting
- Medical Lighting (e.g. Endoscope Lighting)
- Vehicle Lighting (e.g. Bicycle Lighting)

their individual lighting solutions. With best in class Color-over-Angle, the OSLON® Pure 1010 enables customized very high density clustering offering best Center Beam Candela Power (CB-CP) and Cd/W.

OSLON® Pure 1010 White



Type	Typ. $R_{th JS et}$ (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)	Max. Temperature T_{max} (°C)	Typ. Voltage (V)	Max. Voltage (V)	Binning CCT (K)	Viewing angle (typ.)
GW VJLPE1.EM	7.2	2,700–5,000	80	100	100	700	350	85	125	2.8	3.2	3,000	120°
GW VJLPE1.CM	7.2	2,700–5,000	90	83	85	700	350	85	125	2.8	3.2	3,000	120°

OSLON® Pure 1010 Colours



Type	Ldom (nm)	Binning (mA)	Typ. Vf (V)	Typ. Power (W)	Typ. Flux (lm)	Typ. Eff (lm/W)
PC Red* (GR VJLPE1)	630	700	2.8	2	43,5	21
Green (GT VJLPE1)	525	700	2.8	2	214	108
Deep Blue (GD VJLPE1)	455	700	2.8	2	31	15
PC Yellow* (GY VJLPE1)	590	700	2.8	2	195	98
Cyan (GC VJLPE1)	493	700	2.8	2	120	62
PC Green* (GG VJLPE1)	566	700	2.9	2	274	131

*Phosphor converted



Image: © Ralph Larmann



OSLOM® Pure on the Internet:
www.osram.com/oslon-pure

For further information on the available products please visit our product catalog at www.osram.com/general-lighting

LED Light for you Network
www.ledlightforyou.com



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