

Display perfection

The new OSOLON[®] Pure for highest luminance at smallest size

Light is OSRAM

OSRAM
Opto Semiconductors



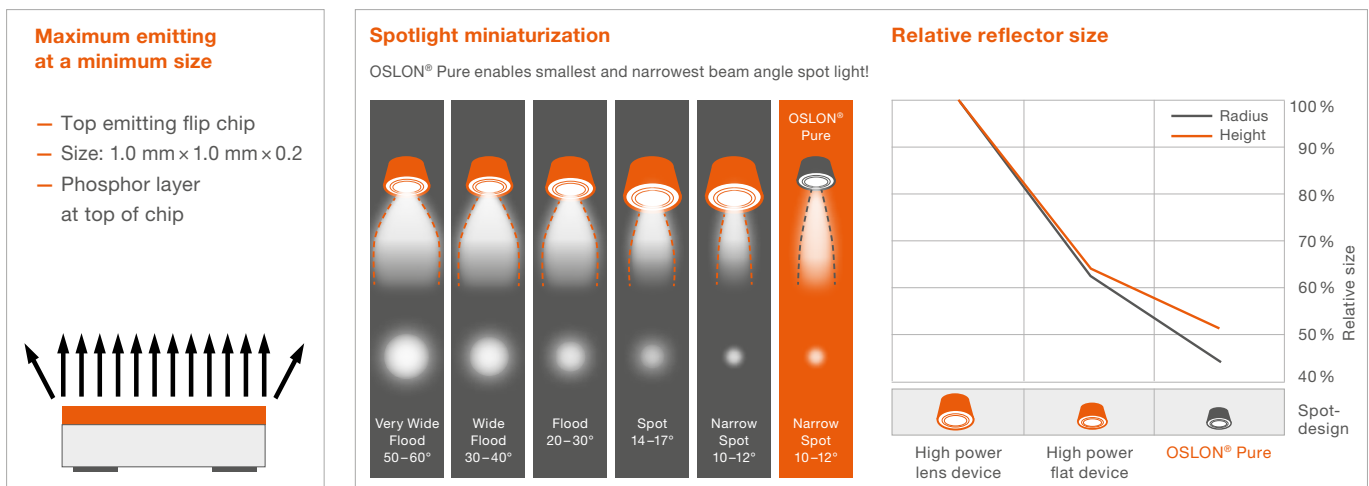
The light for a more effective presentation

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





OSLON® Pure Family

Features and Benefits

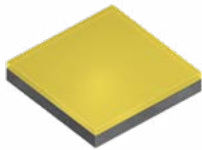
- Real Chip Scale Package (1.0 x 1.0 mm) with top emitter perfect fit for high dense clustering, tunable CCT and miniature narrow viewing angle spot light
- Best in class Color over Angle (CoA)
- Available with CRI 80, 90
- Wide range of CCT selection
- Amount and format of OSLON® Pure assembly can match all sorts of requirements for luminous flux and efficacy

Applications

- High class retail lighting
- Brand fashion boutiques
- Jewelry stores
- Customized CoB designs
- Small luminaire designs



OSLON® Pure Family



| 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 | 2,200–5,000 | 80 | 100 | 102 | 1,000 | 350 | 85 | 125 | 2.8 | 3.1 | 3,000 | 120° |
| GW VJLPE1.CM* | 7 | 1,800–6,500 | 90 | 72 | 73 | 1,000 | 350 | 85 | 125 | 2.8 | 3.1 | 3,000 | 120° |

* upcoming product



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



Asia

OSRAM Opto Semiconductors
(China) Co., Ltd.
29/F, Harbour Ring Plaza
No. 18 Xi Zang Middle Road,
Shanghai, 200001 P.R.C.
China
E-mail: prasia@osram-os.com

Europe

OSRAM Opto Semiconductors GmbH
Leibnizstraße 4
93055 Regensburg, Germany
Phone: +49 941 850 1700
Fax: +49 941 850 3302
E-mail: support@osram-os.com

USA

OSRAM Opto Semiconductors Inc.
1150 Kifer Road, Suite 100
Sunnyvale, CA 94086, USA
Main Phone number: (408) 962-3700
Main Fax: (408) 738-9120
Inbound Toll Free: (866) 993-5211
E-mail: info@osram-os.com

OSRAM
Opto Semiconductors