

Light is freedom
OSLON[®] Square -
best in class high-power

Light is OSRAM

OSRAM
Opto Semiconductors



Advantages

OSLON® Square – the most compact high-power LED with well-known superior robustness, high reliability, long lifetime and very low thermal resistance. The OSLON® Square family is designed for professional outdoor and indoor lighting, based on different color rendering. The key parameters are binned at high temperature which is closer to the real application conditions of our customers.

Features

- Ultra compact footprint (3 mm × 3 mm) for high-density arrays to simplify circuit designs
- Very low thermal resistance
- Superior robustness and long lifetime
- Extendable range of current driving condition

Applicable for OSLON® Square White only

- Available with CRI 70, 80, 90, 95
- Wide range of CCT selection
- Binned at 85 °C

Applications

- Street lighting
- Tunnel lighting
- Path lighting
- Architectural lighting
- Low bay, high bay
- Professional retail lighting
- Museum lighting
- Spot lights
- Horticulture lighting



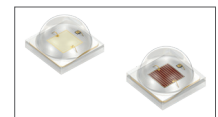
OSLON® Square on the internet:
www.osram-os.com/oslon-square

LED Light for you Network
www.ledlightforyou.com

OSLON® Square white and color

White	Available CCT range (K)	CRI min.	Typ. Luminous flux (lm) ¹	Typ. Efficacy (lm/W) ¹	Typ. Forward voltage (V) ¹	Design
GW CSSRM1.BM	2,700–4,000	95 (R9 typ. 90)	193 ¹	98 ¹	2.8	1
GW CSSRM2.CM	2,700–6,500	90	228 ¹	117 ¹	2.8	2
GW CSSRM2.EM	2,700–5,000	80	270 ¹	138 ¹	2.8	2
GW CSSRM2.PM	3,000–6,500	70	328 ²	167 ²	2.8	2
GW CSSRM3.PM	3,000–6,500	70	347 ²	177 ²	2.8	2
GW CSSRMU.CM	2,700–4,000	90	218 ¹	111 ¹	2.8	2
GW CSSRM3.EM	2,700–5,700	80	282 ¹	143 ¹	2.8	2
Color	Viewing angle	Color	Wavelength (nm)			
GD CSSRM2.14	120°	Deep blue	450			
GH CSSRM3.24	120°	Hyper red	660			
GH CSSRM4.24	120°	Hyper red	660			
GW CSSRM3.HW	120°	White	-			

¹ @ 3,000K, 85 °C | ² @ 5,000K, 85 °C



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