

Sensing is life

ams OSRAM

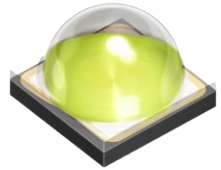
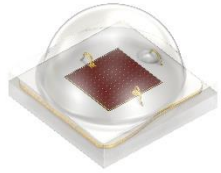
OSLON[®] Square

GD CSSRM3.14

ams-OSRAM International GmbH

OSLON® Square

Product Offering








1 – 5W High-Power LEDs

Available in Hyper Red, **Deep Blue** and Horti White

- Ceramic package for superior robustness
- Industry leading performance
- Compact 3.0 x 3.0 mm² ceramic package
- 120° beam angle
- Excellent lumen maintenance and lifetime (Q90 >60k hrs)
- Best in class Hot/Cold factor
- ESD: 8 kV acc. to ANSI/ESDA/JEDEC JS-001 (HBM, Class 3B)

Applications: Greenhouses



Type	L dom		Color	Binning (mA)	Typ. Vf (V)	Typ. Power (W)	Typ. Output	Typ. Eff
GD CSSRM3.14	450nm		Deep Blue	700	2.92	2.0	1555mW	76%
GD CSSRM2.14	450nm		Deep Blue	700	2.90	2.0	1511mW	74%
GH CSSRM4.24	660nm		Hyper Red	700	2.02	1.5	1045mW	74%
GH CSSRM5.24	660nm		Hyper Red	700	2.00	1.5	1064mW	76%
GW CSSRM3.HW	-		Horti White	700	2.90	2.0	1140mW	56%

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GD CSSRM3.14

GD CSSRM3.14 has the latest chip technology

→ 3% higher Phie

→ 2% better WPE

GD CSSRM2.14		
Bin	Min	Max
AR	1300	1400
AS	1400	1500
AJ	1500	1550
AK	1550	1640
AU	1640	1800
BP	1800	1940

GD CSSRM3.14		
Bin	Min	Max
AG	1400	1450
AH	1450	1500
AJ	1500	1550
AK	1550	1640
AL	1640	1720
AM	1720	1800

Introduced finer binning in GD CSSRM3.14, enabling customers to refine bin selection for their applications

1511mW
WPE 74%

1555mW
WPE 76%

+3% higher Phie vs GD CSSRM2.14

Q65113A2362
GD CSSRM2.14-ASAK-24-1-R33

Q65113A4394
GD CSSRM3.14-AHAM-24-1-700-R33

Q65113A4447
GD CSSRM3.14-AJAM-24-1-700-R33

Two Q-codes with higher min spec limit

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GD CSSRM3.14 – LM80 Report

The new GD CSSRM3.14 has the same long lifetime as the GD CSSRM2.14

Applied Devices	Current	Temp (Ts)	Target date > 6000 hrs
Please refer to OSLON Square GD CSSRM2.14 1000mA report	1000mA	85°C / 105°C	Ts 85°C, Q90(15k) > 90kh

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