

OSRAM OSLON® Square GW CSSRM4.HW - Product overview

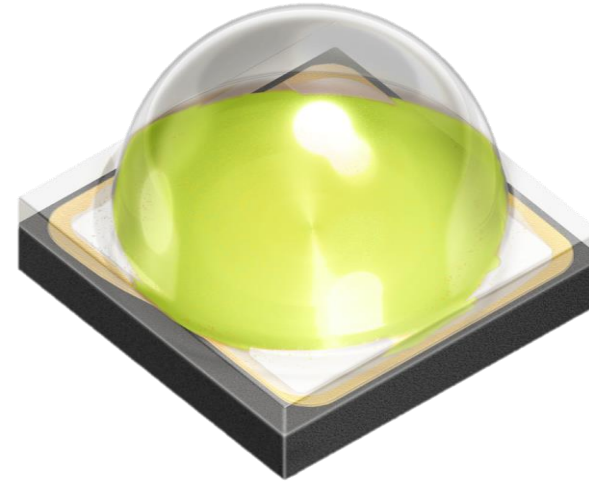
The new generation of OSLON® Square Horti White, now comes with Photon Flux hot binning

OSLON® Square GW CSSRM4.HW – One Pager

The new generation of OSLON® Square Horti White

Applications

- Agriculture & Horticulture
- Entertainment
- Outdoor & Industrial Lighting



General description

- Second generation of OSLON® Square Horti White with upgraded performance
- Most compact high-power LED with proven robustness, excellent reliability, long lifetime and low thermal resistance

Key Features

- Package: SMD ceramic package with silicone lens
- Typ. Radiation: 120° (Lambertian emitter)
- ESD: 8 kV acc. to ANSI/ESDA/JEDEC JS-001 (HBM, Class 3B)
- Binned in Photon Flux at 85°C
- Higher brightness
- Available in four different color bins and 2 different selections

Associated Benefits

- Closer match to horticulture's typical operating temperatures
- 2% brighter than GW CSSRM3.HW
- Ideal for highly efficient greenhouses and vertical farms to reach superior fixture level efficacy

OSLON® Square GW CSSRM4.HW

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Key Sales Message

The GW CSSRM4.HW is an upgrade from GW CSSRM3.HW.

It is now binned in Photon Flux at 85°C to have closer match to typical operating temperatures, making it easier for system designer to perform complex calculation.

Unique Selling Proposition

The new OSLON® Square Horti White sets the standard in the market with industry leading performance of 2% higher brightness compared to first generation GW CSSRM3.HW.

It is the first device from ams OSRAM to feature Photon Flux binning at 85°C.

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Discovery Questions

Q1: What are the key features of the new OSLON® Square GW CSSRM4.HW?

A1: This second generation is the first aO package binned in Photon Flux at 85°C.
With Photon Flux binning at 85°C, it is easier to calculate the system level performance.

Q2: What is the performance improvement between the GW CSSRM3.HW and the GW CSSRM4.HW?

A2: Using the new phosphor, the GW CSSRM4.HW is brighter than GW CSSRM3.HW and we are looking at a performance improvement of about 2%

Q3: Will there be any major optical differences between GW CSSRM3.HW and GW CSSRM4.HW?

A3: There is a small change to the CxCy binning to accommodate the new phosphor conversion at 85°C.
No detrimental effect is expected, and the viewing angle remains at 120°.

Q4: Which benefits can the end user/grower/customer expect?

A4: With GW CSSRM4.HW the user can expect a higher brightness and an easier system calculation with Photon Flux binning at 85°C.

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Web resources & Availability

Product Info Page		https://ams-osram.com/products/leds/white-leds/osram-oslon-square-gw-cssrm4-hw
Availability	Product Release	Disti NPI notification date: 19.03.2024 Planned official release date: 02.04.2024

OSLON® Square GW CSSRM4.HW

Who to sell to...

	Agriculture & Horticulture	Entertainment	Outdoor & Industrial Lighting
Example End Equipment	<ul style="list-style-type: none">Greenhouse's top lighting	<ul style="list-style-type: none">Special effect lighting	<ul style="list-style-type: none">Area lighting
	<ul style="list-style-type: none">Indoor farm lighting		
Key Market Differentiators	<ul style="list-style-type: none">High brightness	<ul style="list-style-type: none">High brightness	<ul style="list-style-type: none">High brightness
	<ul style="list-style-type: none">Photon flux binning at 85°C	<ul style="list-style-type: none">Customized spectrum with low red ratio	<ul style="list-style-type: none">Customized spectrum with low red ratio

Customer Invitation

Promotional Invite for official release

Dear _____

OSLON® Square GW CSSRM4.HW was recently introduced by ams OSRAM. GW CSSRM.HW is the newest Horti White device and part of the broader ams OSRAM's horticultural LED portfolio.

This innovative device is designed for the following applications (among others):

- Agriculture & Horticulture
- Entertainment

Key features and benefits include the following:

- Photon Flux binning at 85°C which facilitates easier calculation on system level performance.
- Higher brightness to enable superior fixture level efficacy

You can learn more at the website here: <https://ams-osram.com/products/leds/white-leds/osram-oslon-square-gw-cssrm4-hw>

Thank you for your interest. Let me know if you would like to learn more about GW CSSRM4.HW.

Sincerely,

<Your name here>