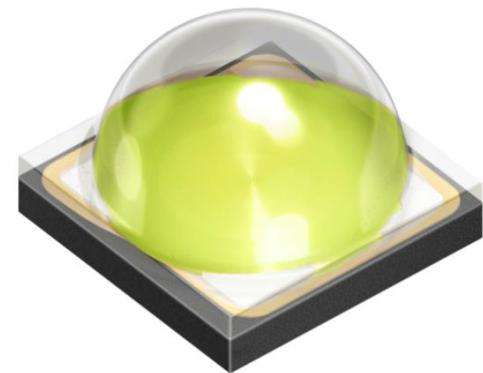


OSLON Square Horti White

GW CSSRM3.HW



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1. Target Application
 2. Product Overview
 3. Performance Overview
 4. Flux Bin Overview
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OSLON® SQUARE Horti White

Target Application

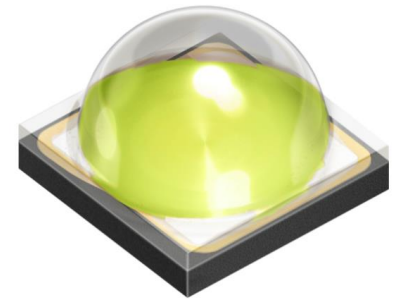
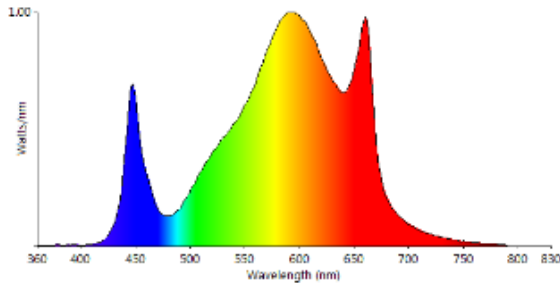
- Horticultural Lighting



OSLON® SQUARE Horti White

Why is **HORTI** White better than Standard White?

@ 700 mA, 25°



Recipe is critical
Cannot alter spectrum
much

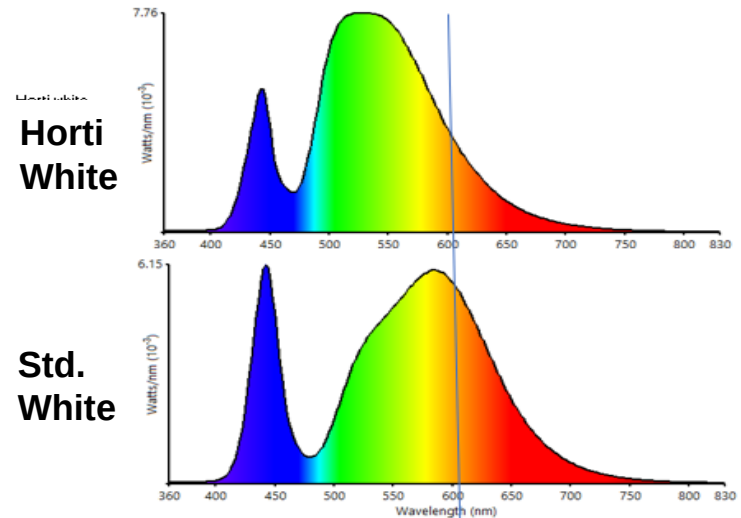
If only there is way to
replace converted RED element
with more efficient Direct
Hyper RED

Swap out General White
with Single Phosphor
Horti White
enabling fixture designs
to increase efficacy

OSLON® SQUARE Horti White Horticulture Lighting

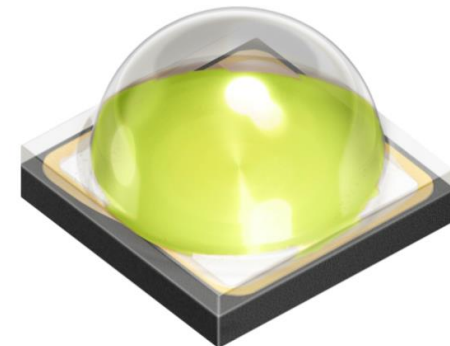
Key Features

- Customized phosphor solution enables luminaires to maximize system level photon efficacy performance
- High reliable and high performance LED with superior long lifetime



Customer Benefit

- Same OSLON family footprint enable easy upgrade



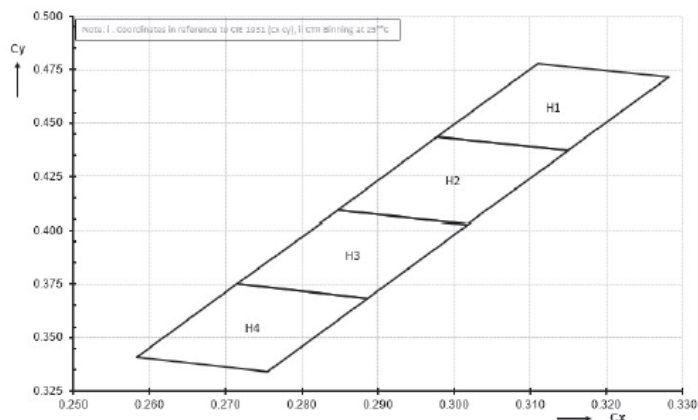
OSLON® SQUARE Horti White

Product Overview: GW CSSRM3.HW

Technical Specifications:

▪ Device name:	GW CSSRM3.HW
▪ Binning Current:	700mA
▪ Binning Temp	25°C
▪ Max Current:	1800 mA
▪ Typ. Radiant Flux:	1076 mW (Target 1 bin)
▪ Typ. Radiant Flux:	1140 mW (Target 4 bin)
▪ Typ. Radiant Efficiency:	2.33 umol/J (Target 1 bin)
▪ Typ. Radiant Efficiency:	2.41 umol/J (Target 4 bin)
▪ Typ. Vf, Power:	2.9V, 2W
▪ Viewing Angle:	120°
▪ Lifetime (Q90):	> 100Khr*

Chromaticity Coordinate Groups ⁴⁾



Chromaticity Coordinate Groups ⁴⁾

Group	Cx	Cy	Group	Cx	Cy
H1	0.3110	0.4780	H3	0.2847	0.4093
	0.3282	0.4714		0.3018	0.4027
	0.3150	0.4370		0.2887	0.3684
	0.2978	0.4436		0.2715	0.3750
H2	0.2978	0.4436	H4	0.2715	0.3750
	0.3150	0.4370		0.2887	0.3684
	0.3018	0.4027		0.2755	0.3340
	0.2847	0.4093		0.2583	0.3406

* To be confirmed

OSLON® SQUARE Horti White

Flux Bin Overview

PRES build sample available in Sept

Flux group	700 mA 25°C	GW CSSRM3.HW-VNAQ-12-1-700-R33	GW CSSRM3.HW-VNAQ-34-1-700-R33
		Q65113A1855	Q65113A1854
VN	Min 960 mW		
VO	Min 1035 mW		
AP	Min 1120 mW		
AQ	Min 1210 mW		
AR	Min 1300 mW		

Many Thanks.