Sensing is life



## **OSLON<sup>®</sup>** Square Batwing

**Product Presentation** 

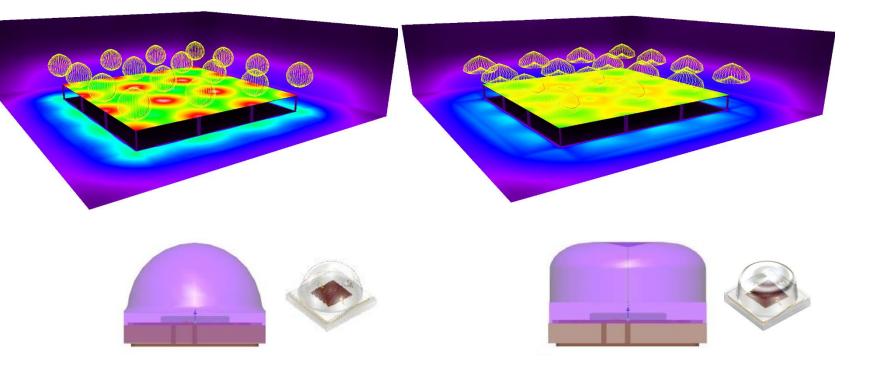
17-Sep-2021

#### OSLON<sup>®</sup> Square Batwing The Why

- More uniform illumination of the plant area without additional optics
- Larger distances between the luminaires lead to a reduced amount of luminaires in a green house
- Shorter distances between plants and luminaires enable lower greenhouses or easier upgrade of existing greenhouses
- Better uniformity helps in reducing fixture power levels/LEDs
- Enables narrow luminaires to minimize shadowing effects

At a Pitch to Distance ratio of 2:1 the Lambertian emission leads to hotspots

At a Pitch to Distance ratio of 2:1 the Batwing emission leads to a uniform illumination



## OSLON<sup>®</sup> Square Batwing

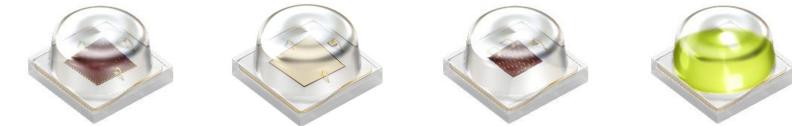
#### **Product Offering**

Product Overview	Molding Lens	GIANT Lens	Batwing Lens
<ul> <li>Ceramic package</li> </ul>			
<ul> <li>Offered in 4 colors</li> </ul>			
<ul> <li>Hyper Red</li> </ul>			
<ul> <li>Deep Blue</li> </ul>			
○ Far Red			
<ul> <li>Horti White</li> </ul>			
	Lens Shape		
	Radiation Pattern		-100
		20 .00	-10
			30 2 2 10 2
		1999 - 1 <b>9</b> - 1999	

### OSLON<sup>®</sup> Square Batwing

Device images highlighting the unique lens design



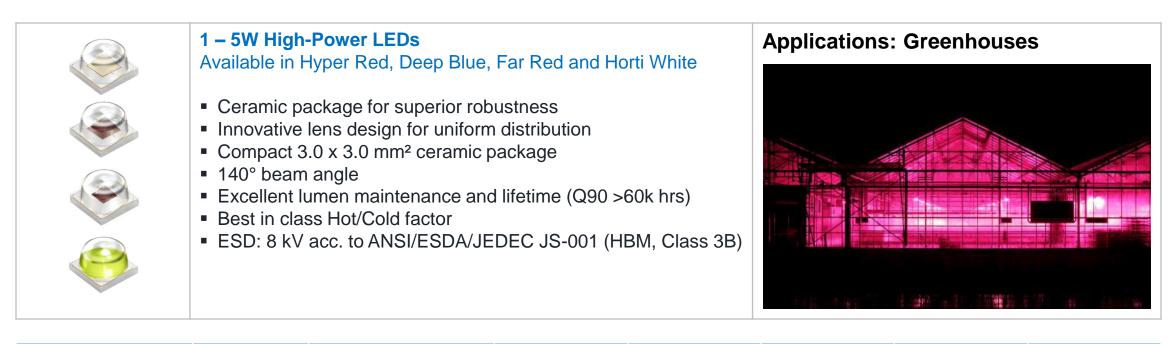


**OSLON®** Square Batwing



### **OSLON®** Square Batwing

#### Device images highlighting the unique lens design



Туре	L dom	Color	Binning (mA)	Typ. Vf (V)	Typ. Power (W)	Typ. Output	Typ. Eff
GD CSBRM2.14	450nm	Deep Blue	700	2.90	2.0	1490mW	73%
GH CSBRM4.24	660nm	Hyper Red	700	2.00	1.5	1040mW	74%
GF CSBPM2.24	730nm	Far Red	350	1.90	1.5	352mW	53%
GW CSBRM3.HW*	-	Horti White	700	2.90	2.0	1125mW	55%

\* H3 bin used for reference

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#### **CALL OSRAM**

# Thank you

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