Sensing is life



OSLON[®] Square Batwing

Product Presentation

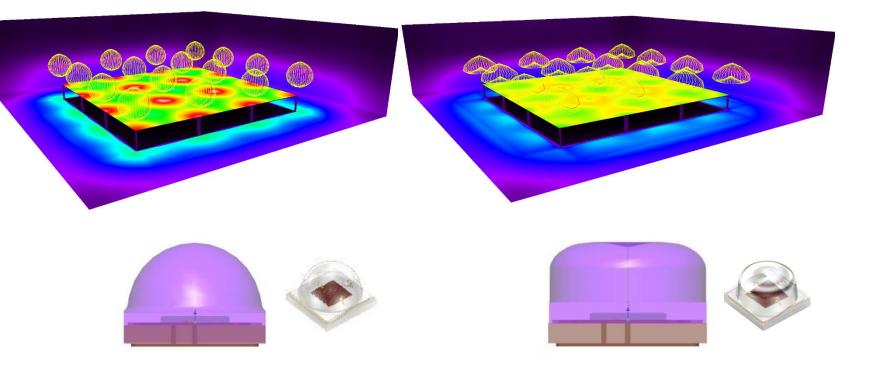
17-Sep-2021

OSLON[®] 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



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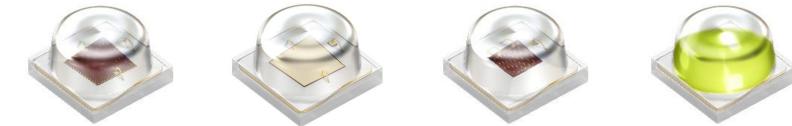
Product Offering

Product Overview	Molding Lens	GIANT Lens	Batwing Lens
 Ceramic package 			
 Offered in 4 colors 			
 Hyper Red 			
 Deep Blue 			
○ Far Red			
 Horti White 			
	Lens Shape		
	Radiation Pattern		-100
		20 .00	-10
			30 2 2 10 2
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OSLON[®] Square Batwing

Device images highlighting the unique lens design



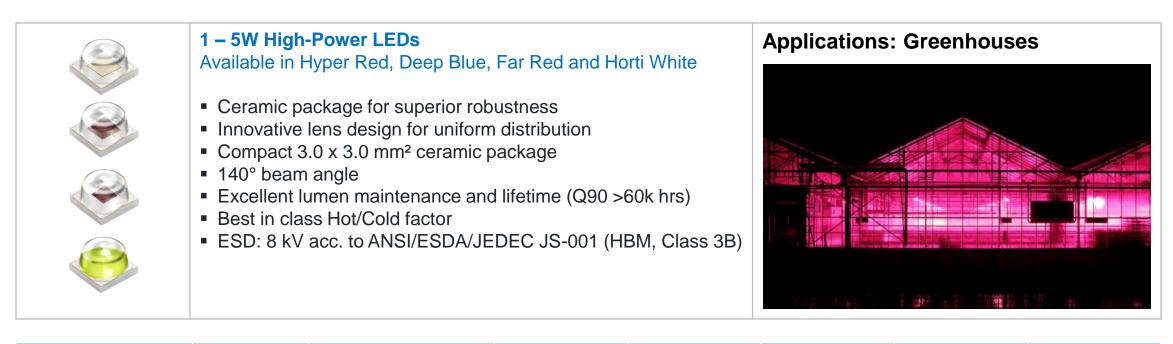


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Device images highlighting the unique lens design



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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