



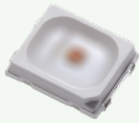
Horticulture LEDs



EVERLIGHT Color LEDs Selection

Low Power 2835 - ELB

0.5W 150mA 3V

Picture	Color	Wavelength	Performance
	● Far Red	715-745 nm	83 mW
	● Deep Red	645-675 nm	95 mW
	● Royal Blue	450-460 nm	250 mW
	● Red	620-630 nm	21 lm
	● Amber	585-595 nm	15 lm
	● Green	515-525 nm	34 lm
	● Blue	460-475 nm	11 lm
	○ White CRI >80	5000-6500K	70 lm

Mid Power 3030 - ELB

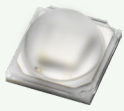
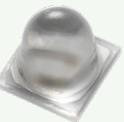
0.5W 150mA 3V

Picture	Color	Wavelength	Performance
	● Far Red	715-745 nm	100 mW
	● Deep Red	645-675 nm	150 mW
	● Royal Blue	450-460 nm	230 mW
	● Red	620-630 nm	20 lm
	● Orange	608-620 nm	22 lm
	● Amber	585-595 nm	18 lm
	● Green	515-525 nm	31 lm
	● Blue	460-475 nm	11 lm
	○ White CRI >80	5000K-6500K	67 lm

EVERLIGHT UV LED Selections

High Power 3535 - ELB

>1W 500mA 3V

Series	Picture	Spec.			
		Wave-length	Min mW	Vf	Viewing Angle
ELUA 3535 - ELB (1.8W)		360-370 nm	1000	3.0-4.0	120°
		380-390 nm	1000	3.0-4.0	
		390-400 nm	1000	3.0-4.0	
		400-410 nm	1000	3.0-4.0	
ELUA 3535 - ELB (1.8W)		360-370 nm	900	3.0-4.0	50°
		380-390 nm	1000	3.0-4.0	
		390-400 nm	1000	3.0-4.0	
		400-410 nm	1000	3.0-4.0	

Performances may change dependent upon customer requirements.
Structure and material depend on customer request.

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ELA1804Q1000V1

AGRICULTURAL LIGHTING

EVERLIGHT provides LEDs with multiple wavelengths to alter the future of agriculture.

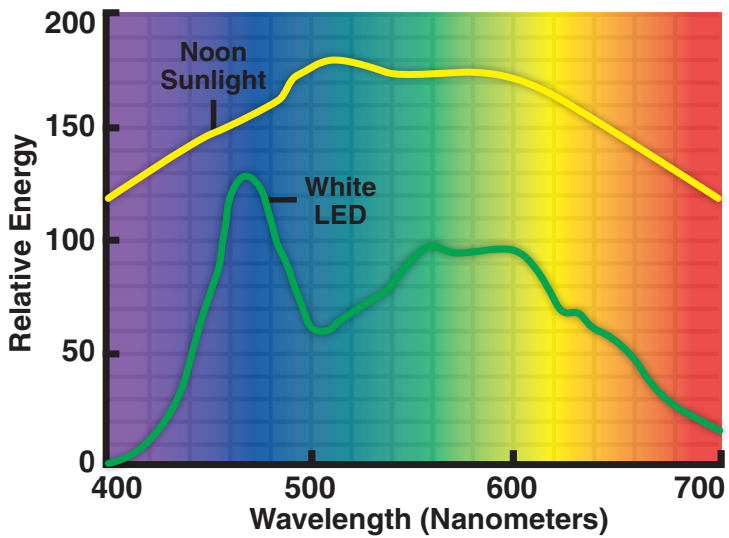
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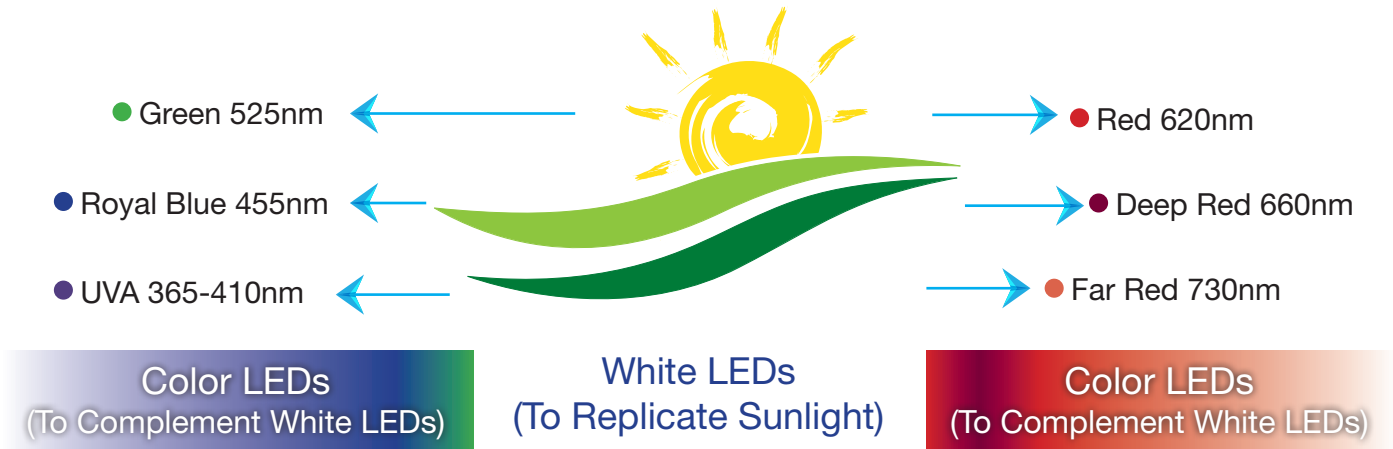
EVERLIGHT provides multiple wavelengths to alter the growth of plants and animals.

Spectra From Common Sources of Visible Light

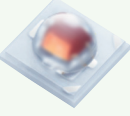
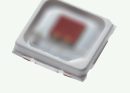


The easiest way to achieve effective agricultural lighting is to provide a spectrum of light that best replicates sunlight OR by providing the necessary spectrums / color combinations for specific functions. Color combinations vary depending on region, time, temperature, plant, plant cycle, production targets and many other factors. EVERLIGHT has all the basic colors needed for replicating sunlight and activating specific functions for agricultural lighting. For any part of the spectrum where additional colors need to be added to the spectrum or additional light functions are needed, there are different EVERLIGHT color LEDs available for customer selection and tuning.

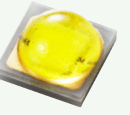
Your source of information: enter www.everlightamericas.com for all advanced EVERLIGHT optoelectronic products and updated specifications.



EVERLIGHT Horticulture LEDs Series

Product Name	Product Photo	Dimension	Power Consumption	Wavelength	mW	PPF(umoles /s)	PPF/W (umoles /J)	WPE%
3535 -ELB 		3.5 x 3.5 x 2.03 mm	1-3W	445-460 nm	630	2.566	2.486	66%
				645-675 nm	476	2.631	3.311	65%
				715-745 nm	330	2.017	2.85	56%
3030 - ELB		3.0 x 3.0 x 0.63 mm	0.5W	450-460 nm	240	0.611	1.941	55%
				645-675 nm	156	0.829	2.764	50%
				715-745 nm	100	0.867	2.064	32%
2835 - ELB		2.8 x 3.5 x 0.7 mm	0.5W	450-460 nm	250	0.507	1.691	51%
				645-675 nm	83	0.525	1.667	30%
				715-745 nm	95	0.957	1.934	28%

EVERLIGHT Color LEDs Selection

High Power 3535 - ELB				1W 350mA 3V	
Picture	Color	Wavelength	Performance		
 	● Far Red	 715-745 nm	380 mW		
	● Deep Red	 645-675 nm	440 mW		
	● Royal Blue	 450-460 nm	665 mW		
	● Red	620-630 nm	85 lm		
	● Orange	610-620 nm	94 lm		
	● Amber	585-595 nm	75 lm		
	● Green	515-525 nm	135 lm		
	○ White CRI >70	5000K-6500K	180 lm		
	○ White CRI >80	4000K-6500K	160 lm		

Coming soon

2 Ft. Horticulture Bar				Dimension	
				560 x 20 x 1.0mm	
Power Consumption	Wavelength	mW	PPF (umoles /s)	PPF/W (umoles /J)	WPE %
12W	660 & 450 nm	3129	16.377	1.379	27

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Structure and material depend on customer request.