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AGRICULTURAL LIGHTING

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

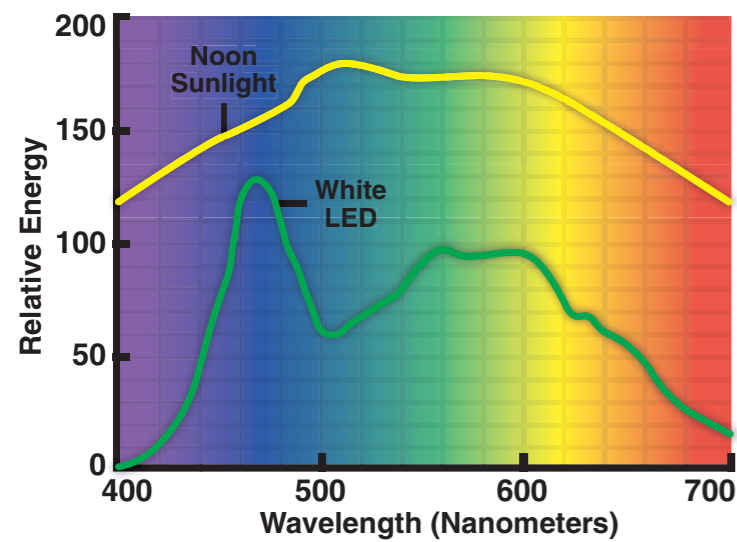
www.everlight.com

EVERLIGHT

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.everlight.com for all advanced EVERLIGHT optoelectronic products and updated specifications.



Color LEDs
(To Complement White LEDs)

White LEDs
(To Replicate Sunlight)

Color LEDs
(To Complement White LEDs)

EVERLIGHT Color LEDs Selection

Low Power EVL-2835(EU)

0.2W 60mA 3V

Picture	Color	Performance
	● Far Red	715-745 nm 25 mW
	● Deep Red	645-675 nm 50 mW
	● Red	620-630 nm 10 Lm
	● Amber	585-595 nm 10 Lm
	● Green	515-525 nm 15 Lm
	● Blue	460-475 nm 3 Lm
	● Royal Blue	450-460 nm 4 Lm (90 mW)
	○ White CRI >80	4000-6500K 28 Lm

Mid Power EVL-3030(EU)

0.5W 150mA 3V

Picture	Color	Performance
	● Far Red	715-745 nm 100 mW
	● Deep Red	645-675 nm 150 mW
	● Red	615-630 nm 20 Lm
	● Orange	608-620 nm 22 Lm
	● Amber	585-595 nm 18 Lm
	● Green	515-530 nm 31 Lm
	● Blue	470-480 nm 11 Lm
● Royal Blue	450-460 nm 230 mW	
	○ White CRI >80	4000-6500K 60 Lm

EVERLIGHT UV LED Selections

High Power EVL-3535(EU)

1W 350mA 3V

Picture	Color	Performance
	● Far Red	715-745 nm 380 mW
	● Deep Red	645-675 nm 440 mW
	● Red	620-630 nm 85 Lm
	● Orange	610-620 nm 94 Lm
	● Amber	585-595 nm 75 Lm
	● Green	520-535 nm 135 Lm
	● Blue	460-470 nm 33 Lm
● Royal Blue	445-460 nm 630 mW	
	○ White CRI >70	4000-6500K 170 Lm
	○ White CRI >80	4000-6500K 160 Lm

High Power EVL-3535(EU)

>1W 500mA 3V

Series	Picture	Spec.			
		Wavelength	Min mW	Vf	Viewing Angle
ELUMA		365-375 nm	800	3.25-4.15	120°
		380-390 nm	900	2.95-3.85	
		390-400 nm	900	2.95-3.85	
		400-410 nm	900	2.95-3.85	
ELUM5A		365-375 nm	800	3.25-4.15	50°
		380-390 nm	900	2.95-3.85	
		390-400 nm	900	2.95-3.85	

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

