

BLOOM LITE
DISCOVER TRUE GROWTH

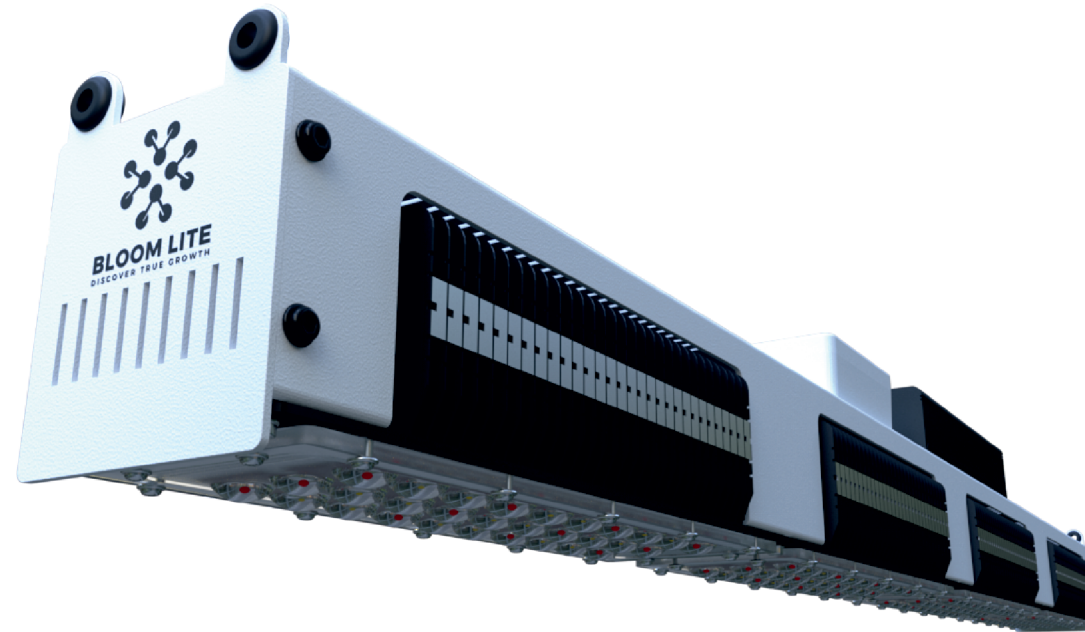
BIOMASS LED TopLight from BLOOM LITE®

LED GROW LIGHTS manufacturer –
designed for commercial horticulture

CREE ⇄



BLUE BOOST - VEGETATION SPECIAL



Passive heatsink cooling technology



High power LEDs



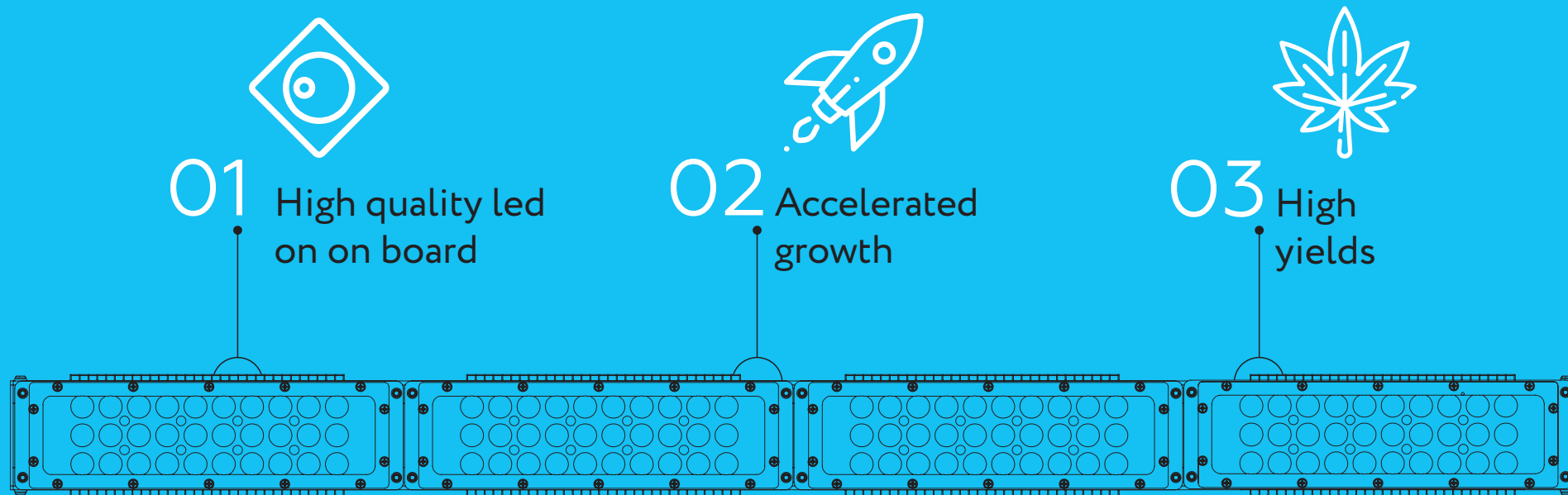
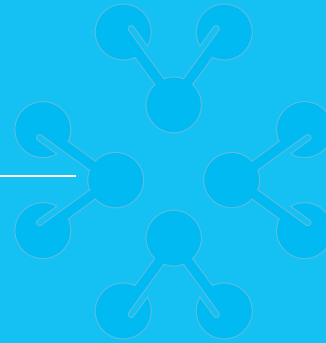
More control available

Available in a range about 600 PPF ($\mu\text{mol/s}$) and 1200 PPF ($\mu\text{mol/s}$) 2 light bars, the BIOMASS TopLight from BloomLite® - is designed and tested specifically **for indoor grow operations, including greenhouses.**

It is complete solution for light-intensive indoor growing, **designed special fo flowering stages.**

Scientifically developed and patented horticultural growth spectra and high power CREE LEDs combined with wide distribution optics ensure **optimum plant growth and highest yields.**

CREE LEDS HORTICULTURE LINE



We always use a **professional line of CREE Horticulture POWER LED.**

It ensures stable operation lamp **50000-70000 hours.**



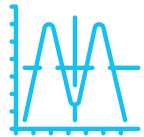
Cree LEDs deliver the industry's highest output and efficiency to enable the LED horticulture lights that are **more effective than traditional light sources** while also using less power.



LIGHT SPECTRUM



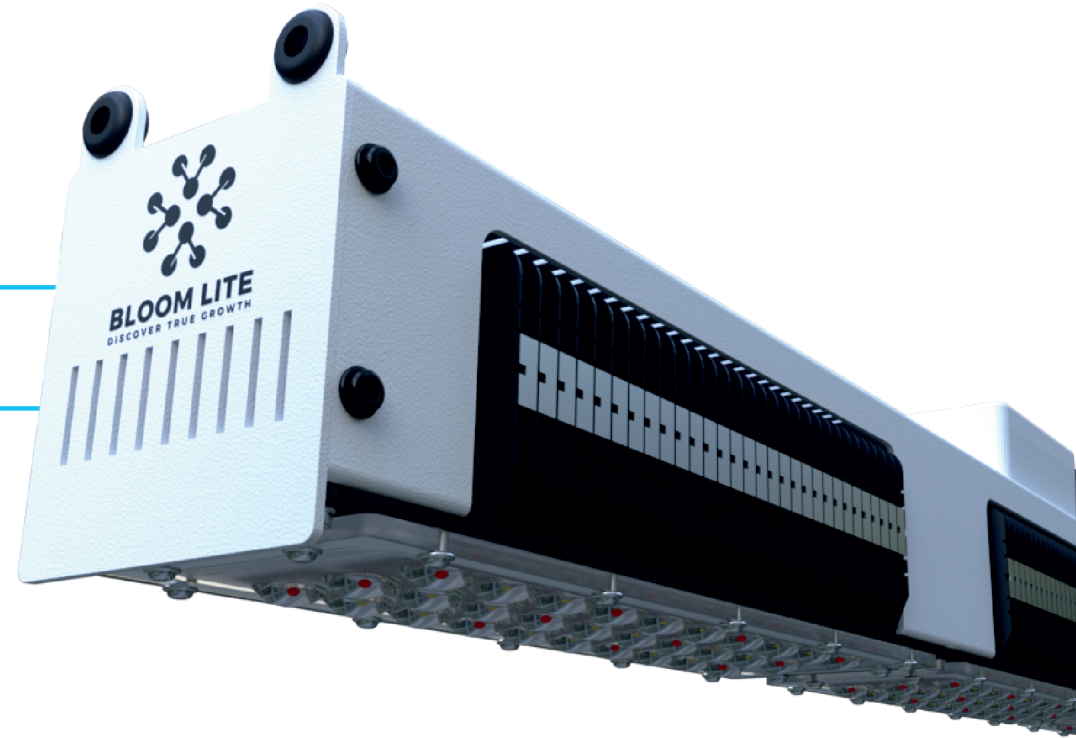
Blue boost spectrum - Vegetation special



BIOMASS TopLight from BloomLite® spectrum is known as the full cycle spectrum developed specifically to foster quality growth at each stage.

It produces germination and vegetative exploded

Deep blue spectrum maximizes blue nm wavelengths to allow for chlorophyll B absorption with a balance of green wavelengths to allow much deeper canopy penetration.



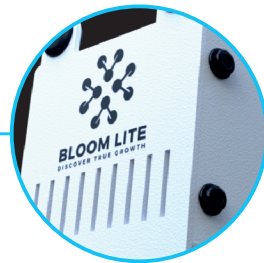
MECHANICAL CONSTRUCTION



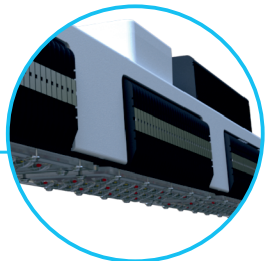
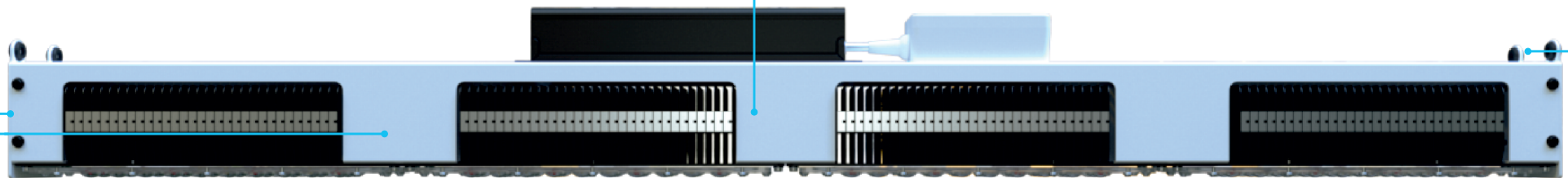
More functionality



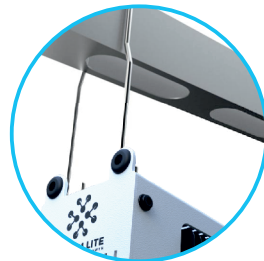
Fixture housing is fabricated from laser cut and formed 5000 series aluminum sheet.



Black fixture finish is an electrostatically applied **Super-Durable TGIC polyester powder coating**.



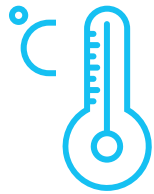
Finish is highly weather and UV resistant and provides superior gloss and color retention.



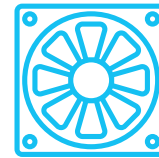
Additional bracing for grow tent and C profile also produced for you



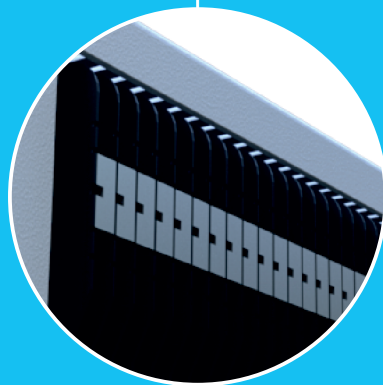
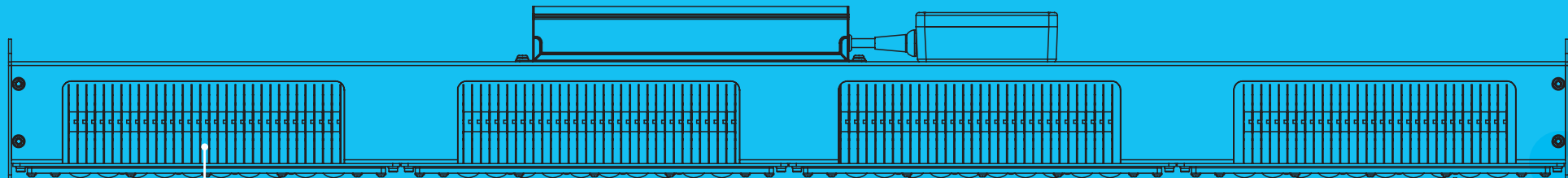
THERMAL MANAGEMENT



New generation
passive heat sink



You will forget about
noisy fans, dusting and overheating



LED thermal management is accomplished by means of a **custom aluminium heatsink - produced by modern ECO-FIN technology.**

Black heat sink finish is an electrochemical anodizing process that converts the surface of the metal into a **long-lasting, high performance** aluminum oxide finish that cannot peel or chip.

ELECTRICAL SPECIFICATIONS AND CONTROL



Infinite control



Ultra-high efficient drivers from MEANWELL featuring the constant current mode and high voltage output.



Thanks to the high efficiency up to 95%, with the fanless design, the entire series is able to operate for -40°C~+85°C case temperature under free air convection.



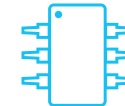
MEANWELL typical lifetime >50000 hours



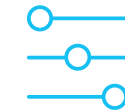
5 years warranty



More control available



Output adjustable via potentiometer



3 in 1 dimming (dim-to-off)



Smart timer dimming (0~10Vdc, 10V PWM signal and resistance)



DALI technology

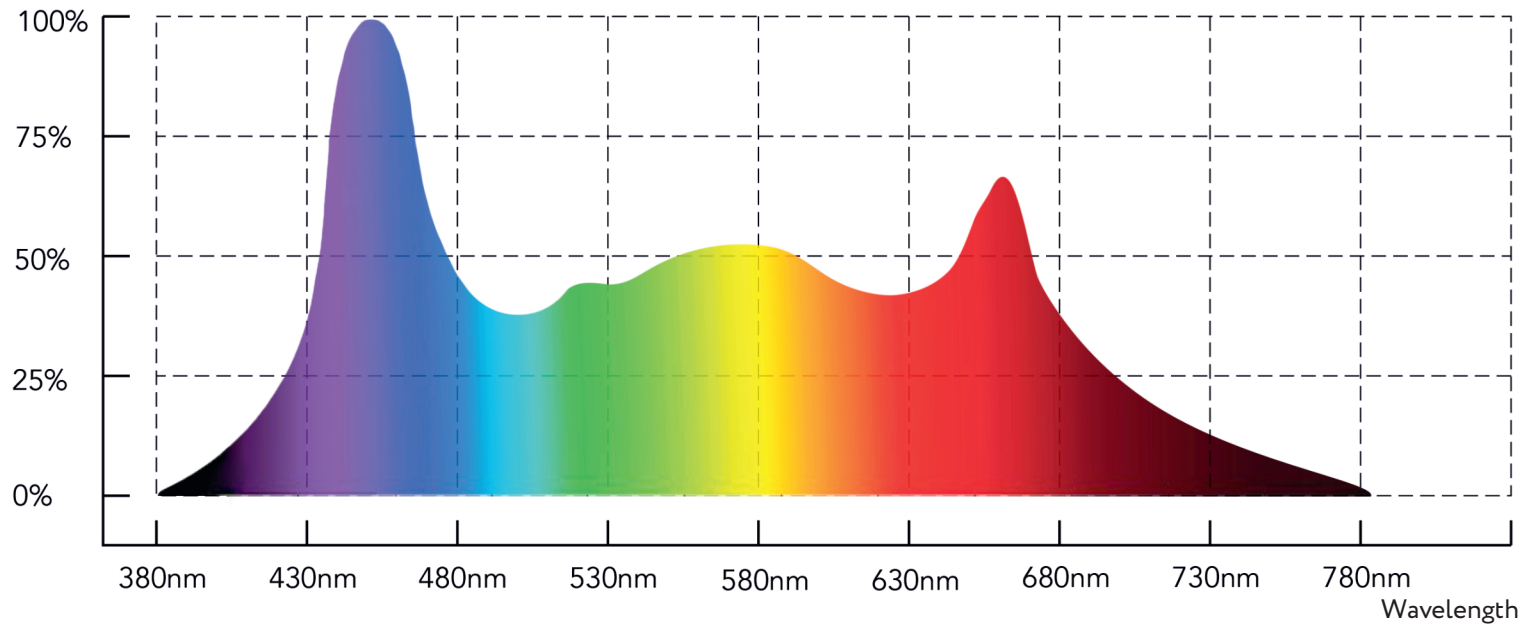


SPECTRAL POWER DISTRIBUTION CHART



Measurements of normalized Photosynthetic Photon Flux

Spectral power distribution chart



Quality + Quantity



All living organisms utilize light in two ways: a source of energy to drive photosynthesis, and a source of information to drive photomorphogenesis and photoperiodism by targeting specific signal-transducing photoreceptors.

We develop spectral composition solely for photobiological responses.

We don't design for visual acuity, and we don't mimic the sun's spectrum.



ELECTRICAL SPECIFICATIONS AND CONTROL

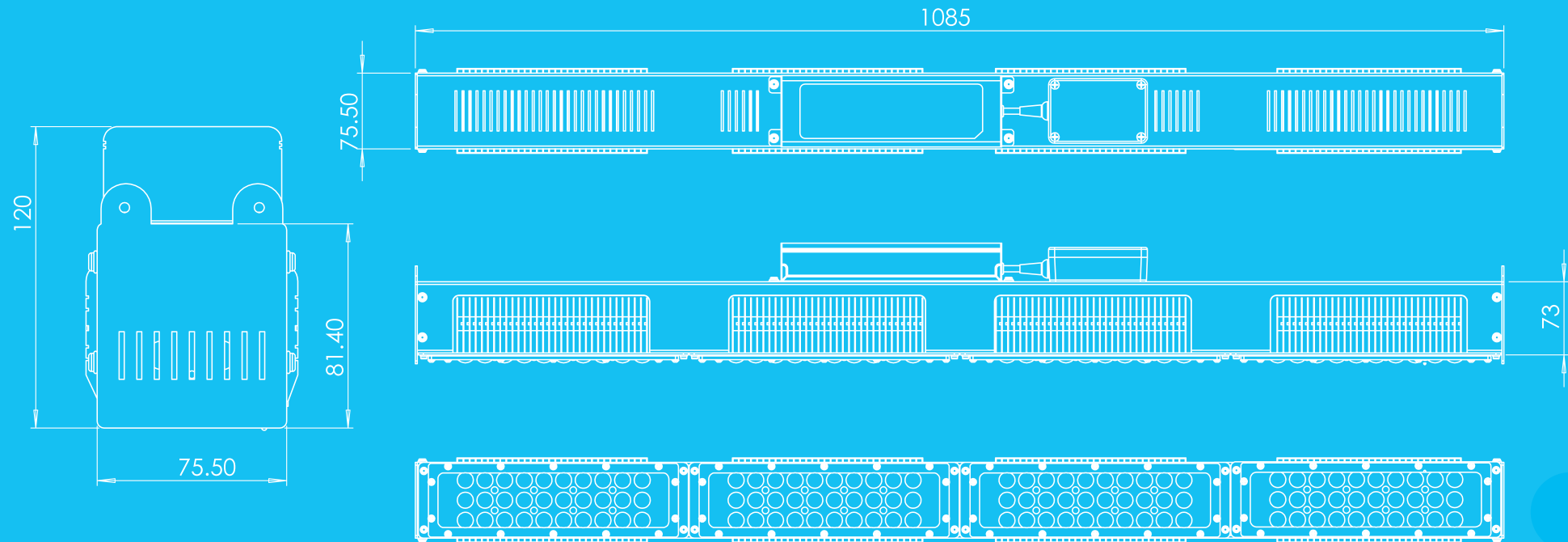


Performance Summary	Rating/Unit	Electric characters	Value
Power Consumption	240 Watts	Input voltage	100...305VAC
Typical Running Current	2.1A	Input current	MAX 1.43A
Operating Voltage	114.2V	Power factor (cos)	0.96
Active Photosynthetic Photon Flux PPF/W	600 $\mu\text{mol}/\text{m}^2/\text{s}$ 2,5	System efficiency ()	95%
Operating Temperature			
IP protection	Ip68		

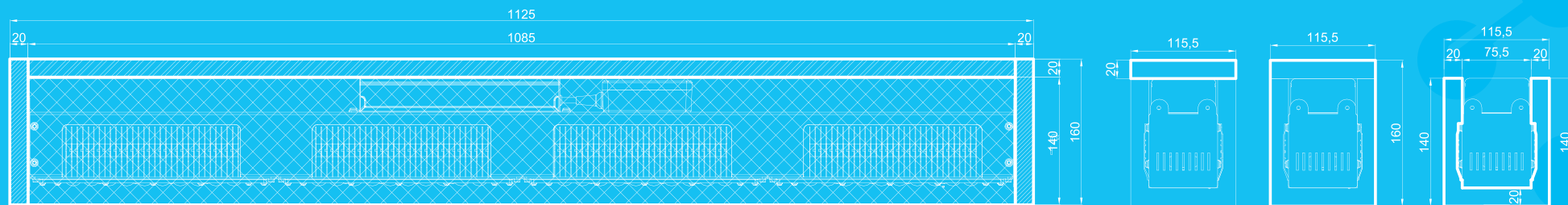
Light Control	Function	Note
1 Independent Light Channels	Io and Vo fixed	In Stock
1 Independent Light Channels	Io and Vo adjustable through built-in potentiometer.	By request
1 Independent Light Channels	3 in 1 dimming function (0~10Vdc, 10V PWM signal and resistance)	By request
	Io and Vo adjustable through built-in potentiometer &	By request
1 Independent Light Channels	3 in 1 dimming function (0~10Vdc, 10V PWM signal and resistance	
1 Independent Light Channels	DALI control technology.	By request
1 Independent Light Channels	Built-in Smart timer dimming function by user request.	By request
1 Independent Light Channels	Built-in Smart timer dimming and programmable function	By request



PRODUCT DIMENSIONS



THE FULL DIMENSIONS OF THE PACKAGING



CONTACTS



BLOOM LITE
DISCOVER TRUE GROWTH

TEZLi LTD

Total Grow Light Solution

- lighting manufacturer
 - lighting system solution
 - instalation and integration
-



Rožu prospekts 48A, Bergi, LV-1024, Rīga, Latvia



+371 201 133 99



www.ledbloomlite.com



info@ledbloomlite.com