

**BLOOM LITE**  
DISCOVER TRUE GROWTH

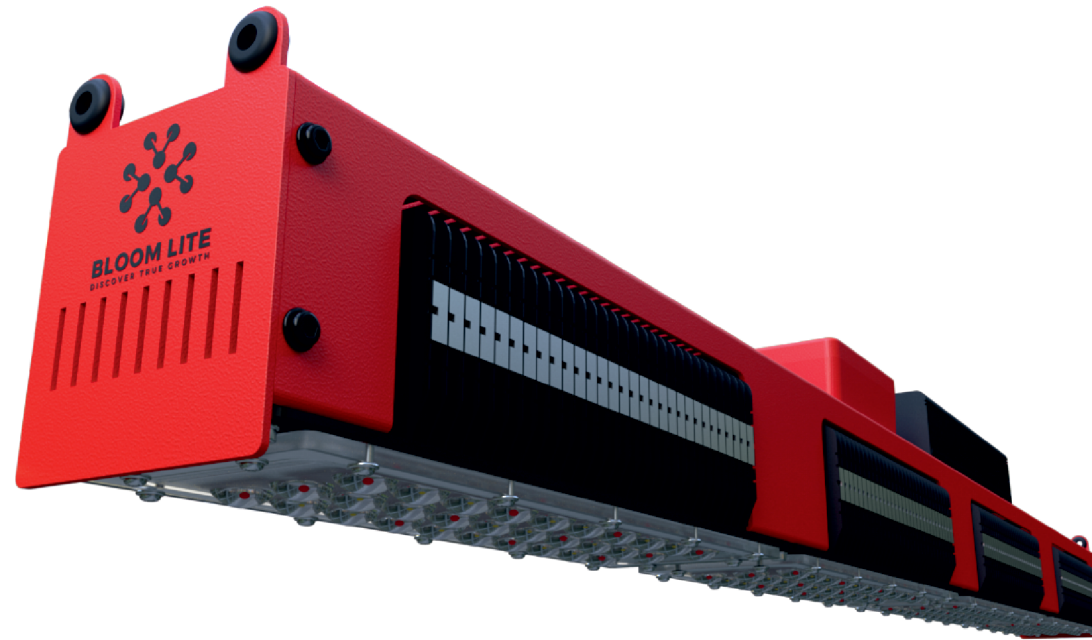
# BIOMASS LED TopLight from BLOOM LITE®

LED GROW LIGHTS manufacturer –  
designed for commercial horticulture

**CREE** ⇄

**MW**  
MEAN WELL

# RED BOOST - FLOWERING SPECIAL



Passive heatsink cooling technology



High power LEDs



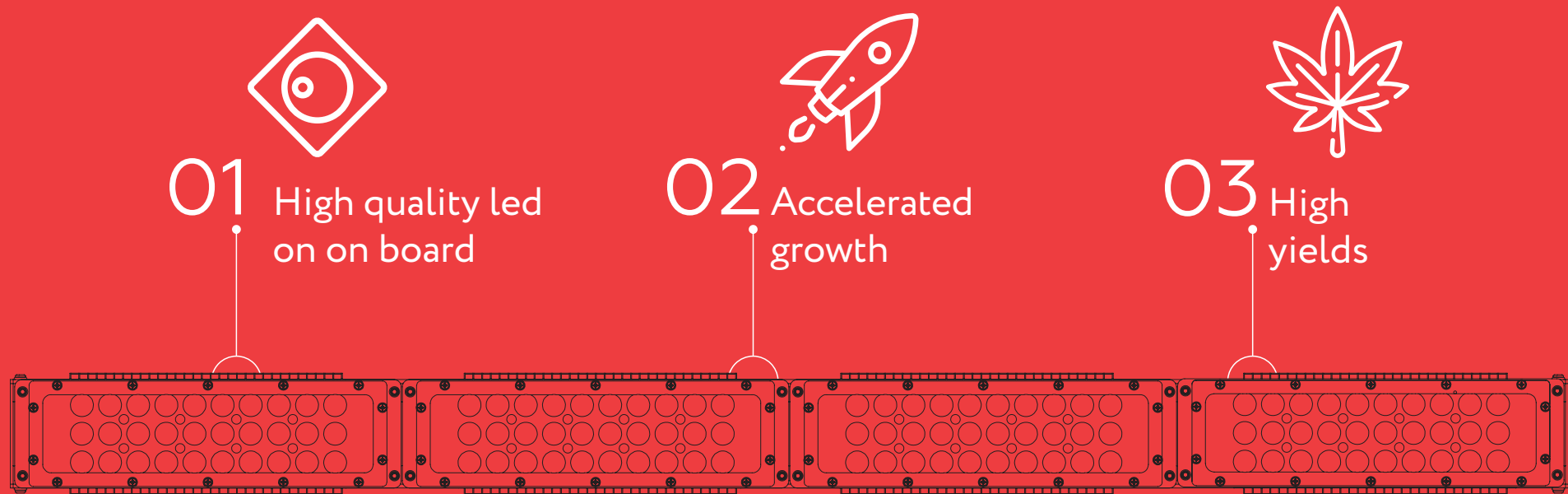
More control available

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



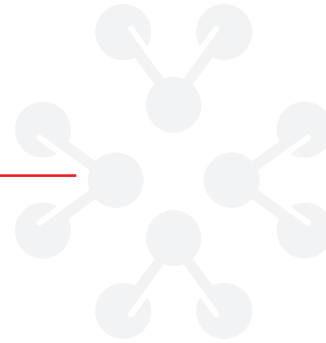
We always use a **professional line of CREE Horticulture POWER LED.**

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

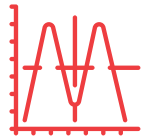


Cree LEDs deliver the industry's highest output and efficiency to enable the LED horticulture lights that are **more effective than traditional light sources** while also using less power.

# LIGHT SPECTRUM



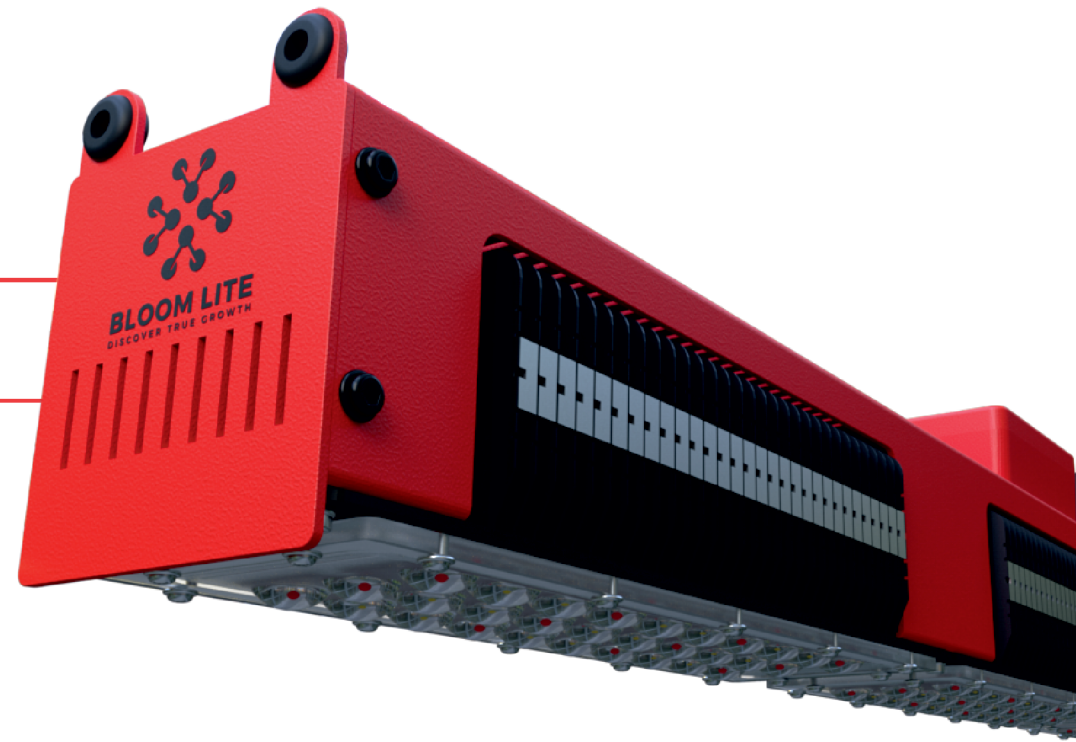
## Red boost spectrum - Flowering special



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

**It produces flowering exploded.**

**Red boost spectrum** maximizes red nm wavelengths to allow for chlorophyll A absorption with a balance of green wavelengths **to allow much deeper canopy penetration.**



# MECHANICAL CONSTRUCTION



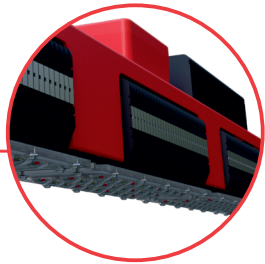
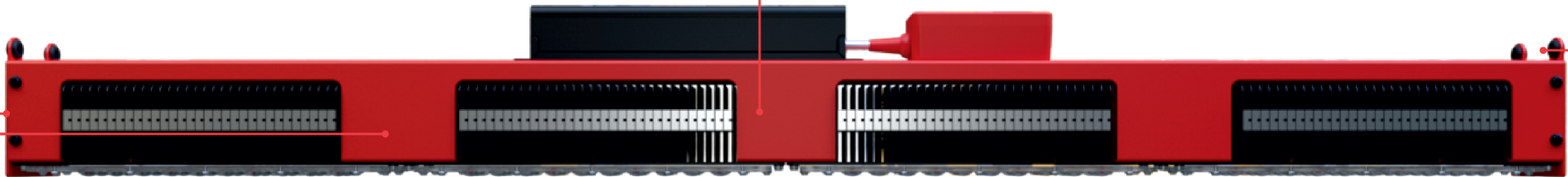
## More functionality



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**.



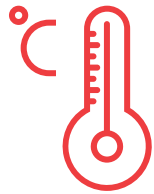
Finish is highly weather and **UV resistant** and provides superior gloss and color retention.



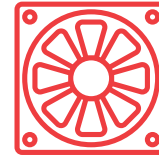
**Additional bracing for grow tent and C profile** also produced for you



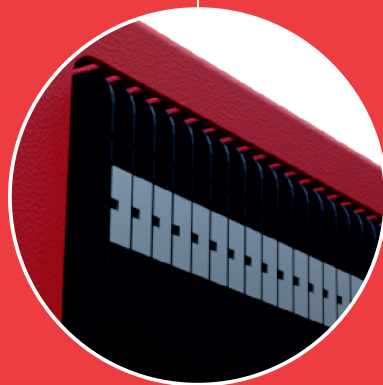
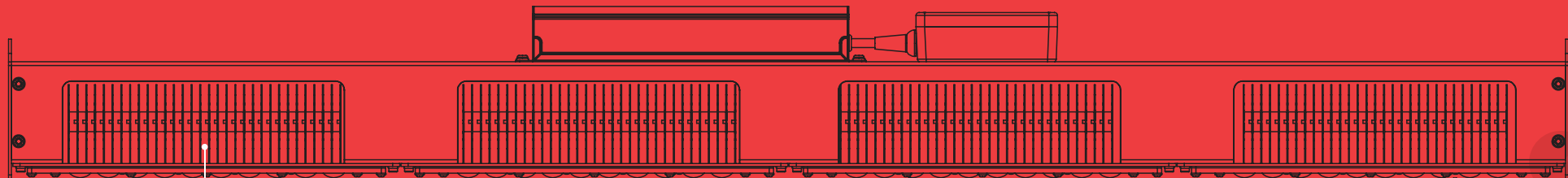
# THERMAL MANAGEMENT



New generation  
**passive heat sink**



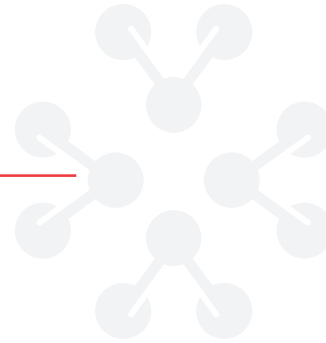
You will forget about  
**noisy fans, dusting and overheating**



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.



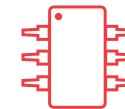
MEANWELL typical lifetime >50000 hours



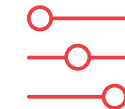
5 years warranty



## More control available



Output adjustable via potentiometer



3 in 1 dimming (dim-to-off)



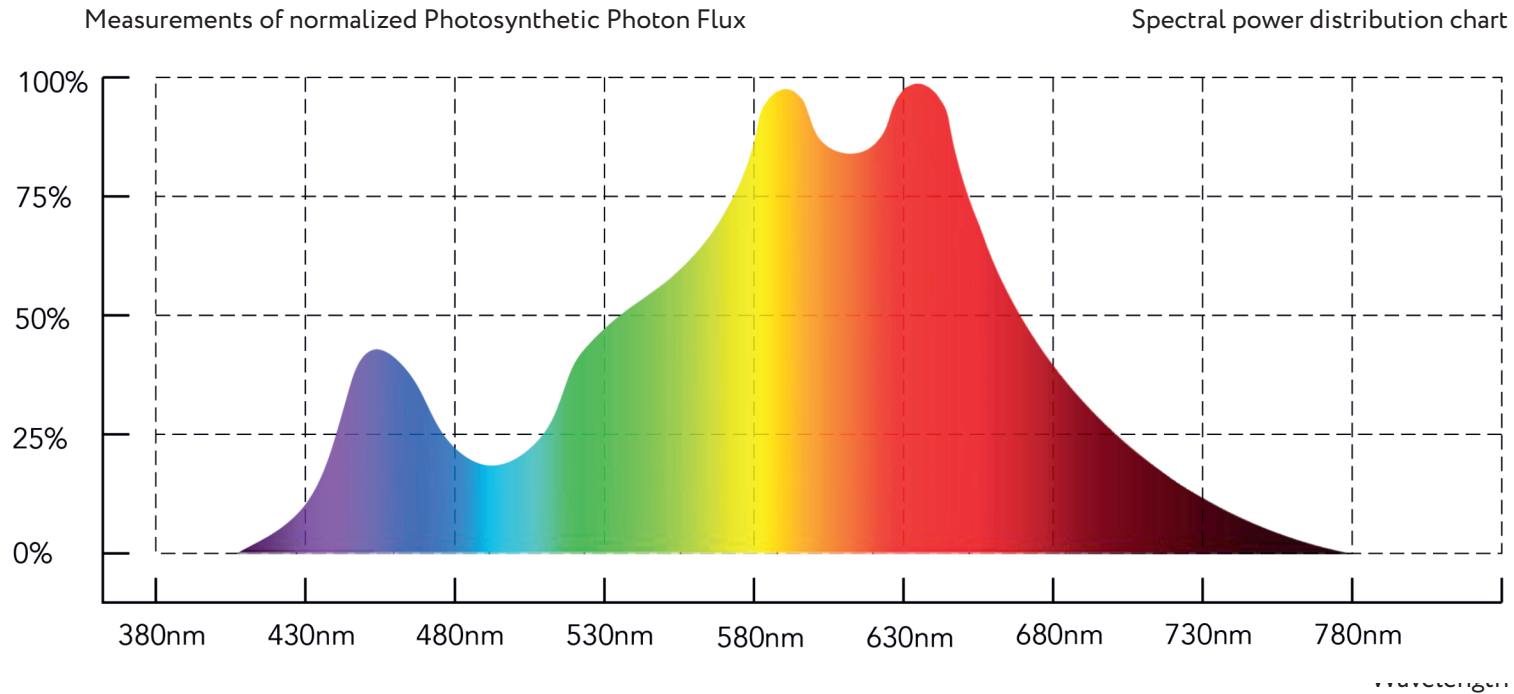
Smart timer dimming (0~10Vdc, 10V PWM signal and resistance)



DALI technology



# SPECTRAL POWER DISTRIBUTION CHART



## Quality + Quantity



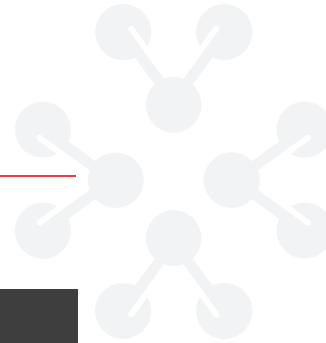
**All living organisms utilize light in two ways:** a source of energy to drive photosynthesis, and a source of information to drive photomorphogenesis and photoperiodism by targeting specific signal-transducing photoreceptors.

**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

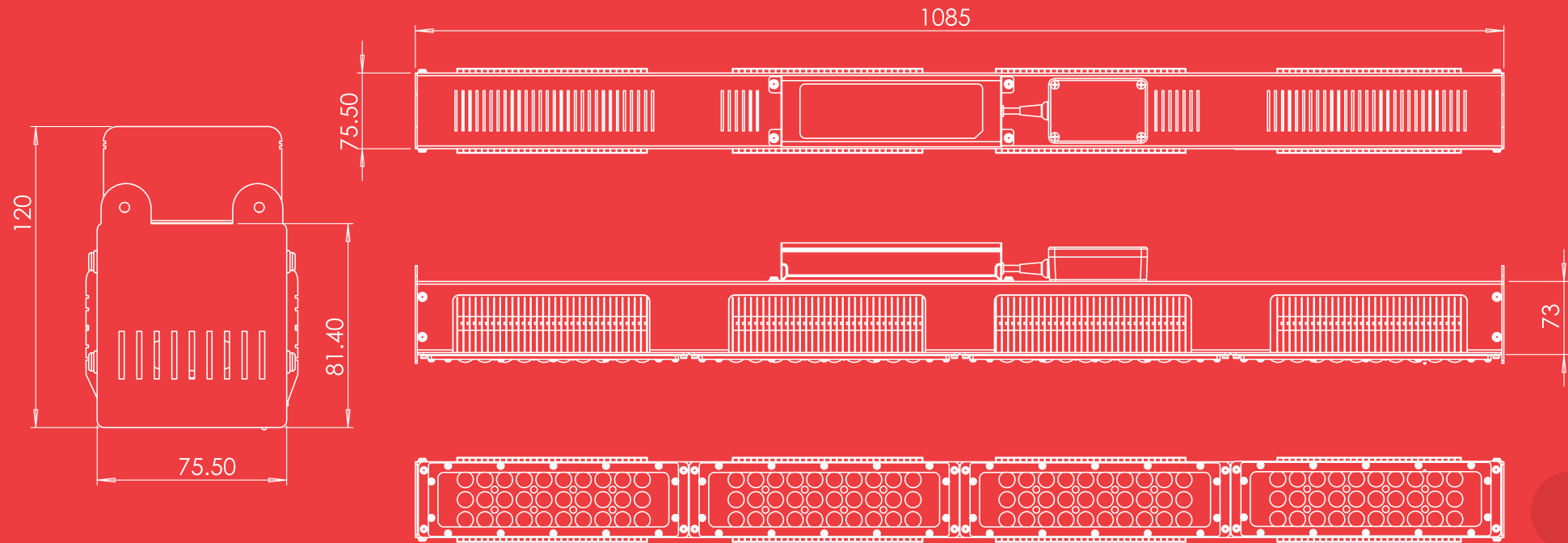


Performance Summary	Rating/Unit	Electric characters	Value
Power Consumption	240 Watts	Input voltage	100...305VAC
Typical Running Current	2.1A	Input current	MAX 1.43A
Operating Voltage	114.2V	Power factor (cos )	0.96
Active Photosynthetic Photon Flux PPF/W	600 $\mu\text{mol}/\text{m}^2/\text{s}$ 2,5	System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

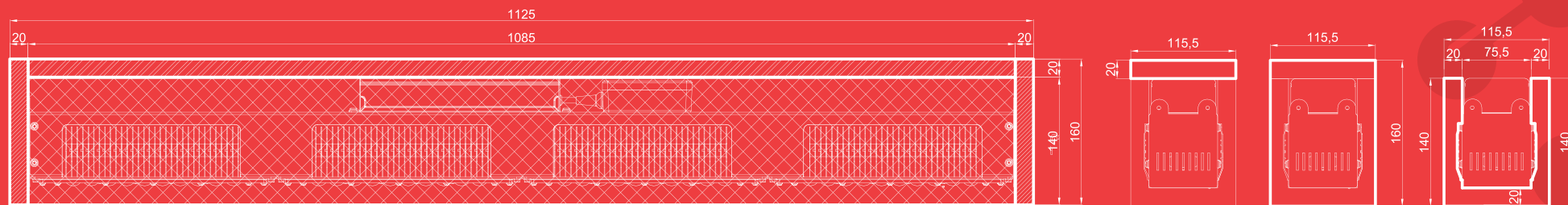
Light Control	Function	Note
1 Independent Light Channels	Io and Vo fixed	In Stock
1 Independent Light Channels	Io and Vo adjustable through built-in potentiometer.	By request
1 Independent Light Channels	3 in 1 dimming function (0~10Vdc, 10V PWM signal and resistance)	By request
	Io and Vo adjustable 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

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**BLOOM LITE**  
DISCOVER TRUE GROWTH

## TEZLi LTD

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Total Grow Light Solution

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



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



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