



COMBO SERIES

HIGH-EFFICIENCY LED TOPLIGHT LAMPS.



A SPECIFIC SPECTRUM FOR EVERY CROP

In collaboration with major Italian universities, we identify the right light spectra for every production need.



HOME FARMING AUTOMATION AND COMPATIBILITY WITH 4.0

All our latest generation lamps are controllable with 4.0 home farming automation systems.



COMPACT

Design specifically developed to reduce the weight of the lamp and the shadow effect on greenhouse crops.



HIGH ENERGY EFFICIENCY

Maximum photosynthetically active light emission with reduced energy consumption.



REPLACES HPS AND MH

Perfect for a facility upgrade, it requires no work-intensive major changes



FULLY CONTROLLABLE

An adjustable light flux means that it is possible to adjust the amount of emitted light

THE PERFECT SWITCH: FROM HPS TO LED

THE NEW C-LED COMBO LAMPS INCORPORATE AN EXTENDED WHITE SPECTRUM AND ENSURE OUTSTANDING CROP YIELDS, **CONSUMING 40% LESS ELECTRICITY**; SINCE THE LIGHT CAN BE DIMMED, THE TECHNOLOGY LETS USERS RECREATE SOLAR-LIKE DAWN-TO-DUSK CONDITIONS, MAXIMISING PRODUCTION.

- **The lamp with the highest number of LEDs on the market**
More than 2500 latest-generation maximum-efficiency LEDs. Full-spectrum performance aids in-greenhouse inspection as colours remain unaltered. Perfect for all high-efficiency applications.
- **Extremely simple to install and manage**
No major work or system modifications needed.
- **Suitable for all cultivations**
Solanaceae like tomatoes, cucurbitaceae like cucumbers, from strawberries to lettuce, flowers, hemp and any other plant you wish to grow.



Via Gambellara, 34
40026 IMOLA (BO) Italy

Tel. +39.0542.654980
Fax +39 0542 653344

www.c-led.it
info@c-led.it

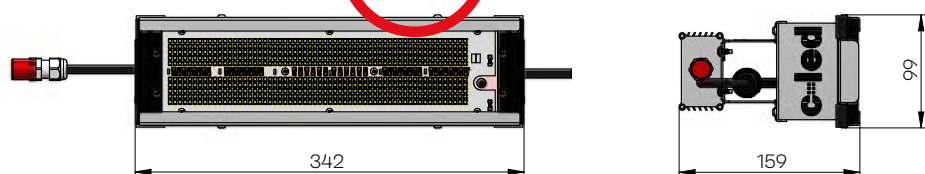
Follow @C-LED





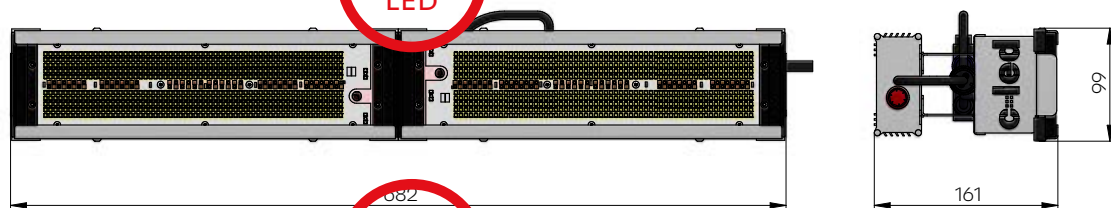
COMBO 150W

644
LED



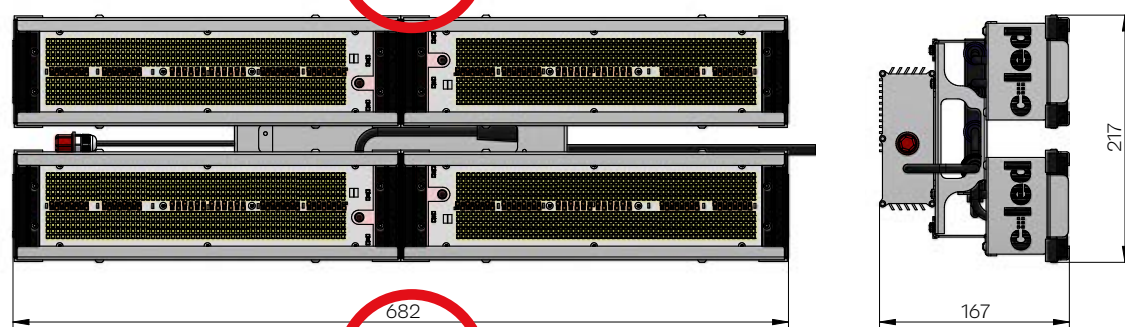
COMBO 300W

1288
LED



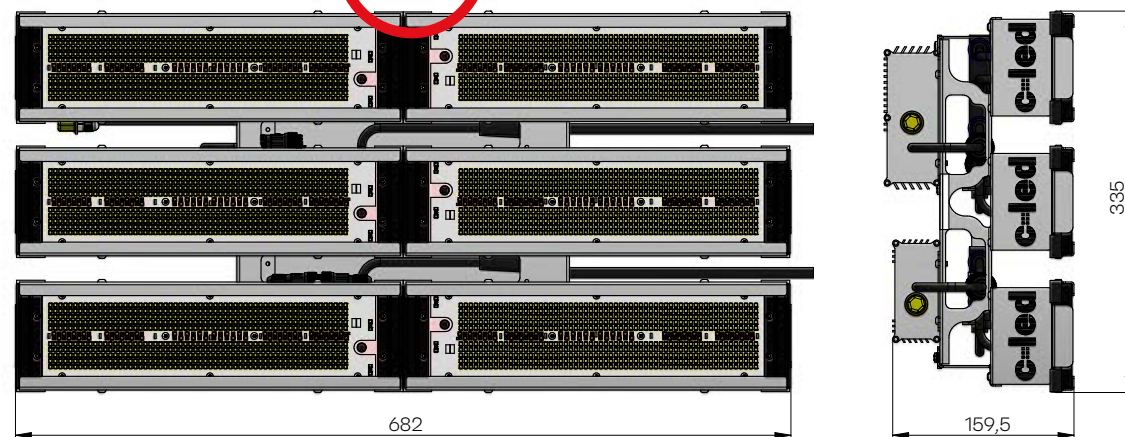
COMBO 600W

2576
LED



COMBO 900W

3864
LED



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COMBO SERIES LAMP

STANDARD OUTPUT/HIGH OUTPUT

UP TO 3 µmole/J

COMBO 150W				COMBO 300W		
	Cool	Extended white	Hortis	Cool	Extended white	Hortis
ELECTRICAL CHARACTERISTICS						
Power supply (V ac)	200-480			200-480		
Frequency (Hz)	50/60			50/60		
Power consumption (W)	120	150	135	240	300	270
Lighting technology characteristics						
PPF (umole/J Tied = 25°C)	310	420	443	620	840	886
Efficiency (umole/J)	2.6	2.8	3.3	2.6	2.8	3.3
LED average life	L70 > 50,000 hours / L90 > 25,000 hours			L70 > 50,000 hours / L90 > 25,000 hours		
Dimmability	yes			yes		
MECHANICAL CHARACTERISTICS						
Working environment temperature (°C)	-10/+40			-10/+40		
Protection class	IP66			IP66		
Dimensions (mm)	339x98x160			683x98x162		
Weight (kg)	2.75			5.3		
Certifications	CE / UL / RoHS Compliant			CE / UL / RoHS Compliant		

COMBO 600W				COMBO 900W		
	Cool	Extended white	Hortis	Cool	Extended white	Hortis
ELECTRICAL CHARACTERISTICS						
Power supply (V ac)	200-480			200-480		
Frequency (Hz)	50/60			50/60		
Power consumption (W)	480	600	540	720	900	810
Lighting technology characteristics						
PPF (umole/J Tied = 25°C)	1240	1680	1772	1860	2520	2658
Efficiency (umole/J)	2.6	2.8	3.3	2.6	2.8	3.3
LED average life	L70 > 50,000 hours / L90 > 25,000 hours			L70 > 50,000 hours / L90 > 25,000 hours		
Dimmability	yes			yes		
MECHANICAL CHARACTERISTICS						
Working environment temperature (°C)	-10/+40			-10/+40		
Protection class	IP66			IP66		
Dimensions (mm)	683x219x167.5			1017x219x173		
Weight (kg)	10			15.3		
Certifications	CE / UL / RoHS Compliant			CE / UL / RoHS Compliant		



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AVAILABLE SPECTRA

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EXTENDED WHITE



COOL WHITE



HORTIS



-  fruit vegetables
-  leafy vegetables
-  small fruits
-  cannabis
-  greenhouse growing
-  indoor growing
-  flowers

