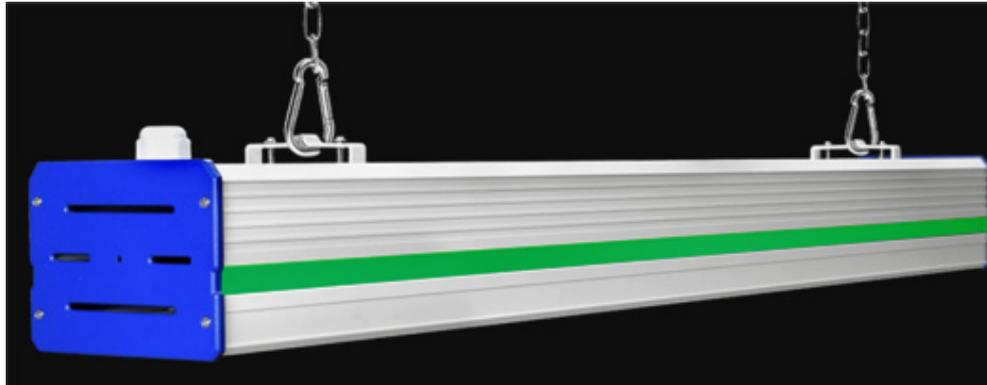


ELPL-Mc-VS3-250W - VARIABLE SPECTRUM LINEAR GROW-LIGHTS



EconoLux introduces the ELPL-MC-VS3-250W LED Grow Light, with Zigbee wireless remote control. These lights are ideal for all types of greenhouse applications, as the McCree output spectrum can be varied to suit the needs of the crop being cultivated.

INCREASED YIELDS

The 250W MC-VS3 LED Grow lights have a spectrum with 95+% match to the McCree curve, depending on the (user adjustable) dimmer settings.

The McCree curve is the spectral curve that scientists have determined is the best for growing a wide variety of crop plants. The extra UV and blue light that can be provided by the MC-VS3, is ideal for applications such as growing leafy greens; and the extra Red and Infra Red light that can be provided by the MC-VS3 is ideal for growing flowering and fruiting plants - you set the spectrum according to your plant's needs.

KEY FEATURES

- ◆ 50 watts of UV and blue light from channel 1
- ◆ 150 Watts of 85% match to the McCree curve light from channel 2
- ◆ 50 Watts of Red and Infra Red light from channel 3
- ◆ All three channels of each light controlled by Zigbee wireless mesh network
- ◆ Lights can be controlled individually or in groups from your smart-phone or pad
- ◆ Lifespan of 45,000 to 55,000 hours of operation
- ◆ Beam angle can be 120 degrees, 90 degrees, or 60 degrees
- ◆ Long narrow aspect ratio of the lights reduces shading in glass roofed greenhouses
- ◆ Passive cooling - NO noisy fans that require maintenance
- ◆ IP65 rated (waterproof) - corrosion resistant aircraft aluminium construction
- ◆ Universal power input of 100~300 VAC, 50/60Hz - MeanWell CE & UL approved drivers
- ◆ Coupler plates available to join lights into a continuous strip
- ◆ Housing and end-cap colours can be customized depending on quantity ordered
- ◆ Your brand-name and model number can be printed onto the lights with MOQ 50 pieces

LED ARRAY



The ELPL-MC-VS3 LED array has a total capacity of 275W (55W blue and UV + 165W of 85% McCree curve + 55W of Red and IR) but is de-rated to 250W to increase LED lifespan. The LED array in each light is dimmable on a channel-by-channel basis, to produce a variable spectrum that can be a close (95+%) match to the McCree curve (depending on user settings).

The ELPL-MC-VS3 lights are built with the most advanced, proprietary, LED COB technology to insure maximum output, long service life, and maximum energy savings.

PASSIVE COOLING AND RUGGED CONSTRUCTION

The housings of the ELPL-MC-VS3 LED lights are carefully designed with large heat-sink fins on the back for effective passive cooling. This means no noisy, high maintenance, fans. With an IP-65 water and dust proof rating, they are well suited to the high humidity conditions found in professional greenhouses.

The MeanWell CE/UL approved, IP65, LED drivers feature universal power input of 100 to 300 VAC, 50/60 Hz - they can operate almost anywhere in the world. Higher voltage models are optionally available.



MAXIMUM ENERGY AND MAINTENANCE SAVINGS

The ELPL-MC-VS3 LED grow lights can save around 32%, and often more, in energy costs compared to conventional metal halide or high-pressure sodium grow lights. The adjustable spectrum allows you to tailor the lights to your crop's needs, increasing crop yields. They also save time and money on maintenance as the annual bulb changes required by typical conventional lights is not needed anymore.

SPECIFICATIONS

The EconoLux ELPL-MC-VS3-250W linear LED grow lights are available in various models depending on the desired beam-spread. Wider beam angles should be used for closer plant-to-light spacing, narrower beam angles should be used for greater plant-to-light distances.

MODEL	WATTAGE	BEAM-ANGLE
ELPL-MC-VS3-250W-120	50W of Blue + UV 150W of 85% McCree Curve	120 degrees
ELPL-MC-VS3-250W-90	50W of Red + IR	90 degrees
ELPL-MC-VS3-250W-60	Each channel individually dimmable by Zigbee wireless control	60 degrees

POWER: Universal input of 100-300 VAC, 50/60Hz - MeanWell drivers. Higher voltage models optionally available. Power factor = 0.88 @ 115VAC, 0.95 @ 230VAC and 0.92 @ 277VAC

DIMENSIONS: All models measure 1190mm [46.85in] long, 122mm [4.8in] wide, and 95mm [3.74in] high (Not including the hanging brackets) **Packed:** 130*22*21mm - Gross weight: 9KG

Gateway: The lights require a WiFi to Zigbee gateway in order to work with the free Android app we provide - we can supply the Zigbee gateway

* Based on prototypes - specifications subject to change due to continuous product improvement