

PxCrop

Lamp description

PxCrop a lamp designed for lighting and stimulation of plant growth.

Lamp has 9 lenses built-in - under each of them there are 4 LEDs. Diodes are connected in four circuits, each containing 9 diodes of the same type. This allows a very precise mixing of light that is illuminating the plant.

Default lamp circuits 1 and 2 are red LEDs, circuit 3 is a white and circuit 4 is blue LED color. Each circuit is controlled independently in the range from 0 to 100% of brightness. On request, we can change the configuration of LEDs color. The maximum power of each circuit is around 30W (this is the average value - in fact, it depends on the voltage of LED bin type), and maximum power of the lamp was limited to 100W.

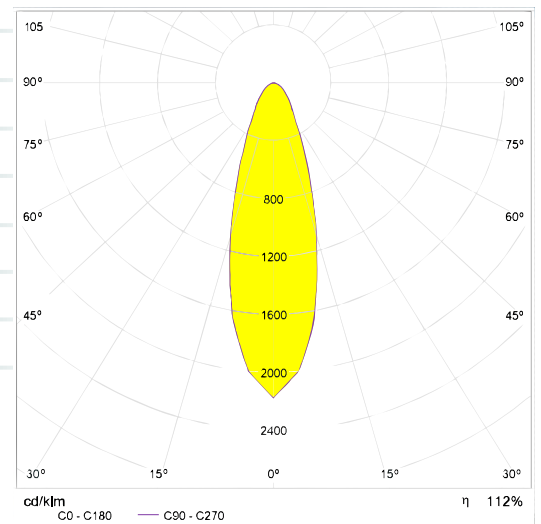
PX256 supports two protocols: DMX-512 and RDM. The lamp control is done by the DMX protocol, using the external controller. RDM protocol allows you to set the address of the lamp or read the information such as the total operating time, or temperature information.

By default the PX256 is equipped with a 2m power cord, and two feet that facilitate the mounting.

Technical Data

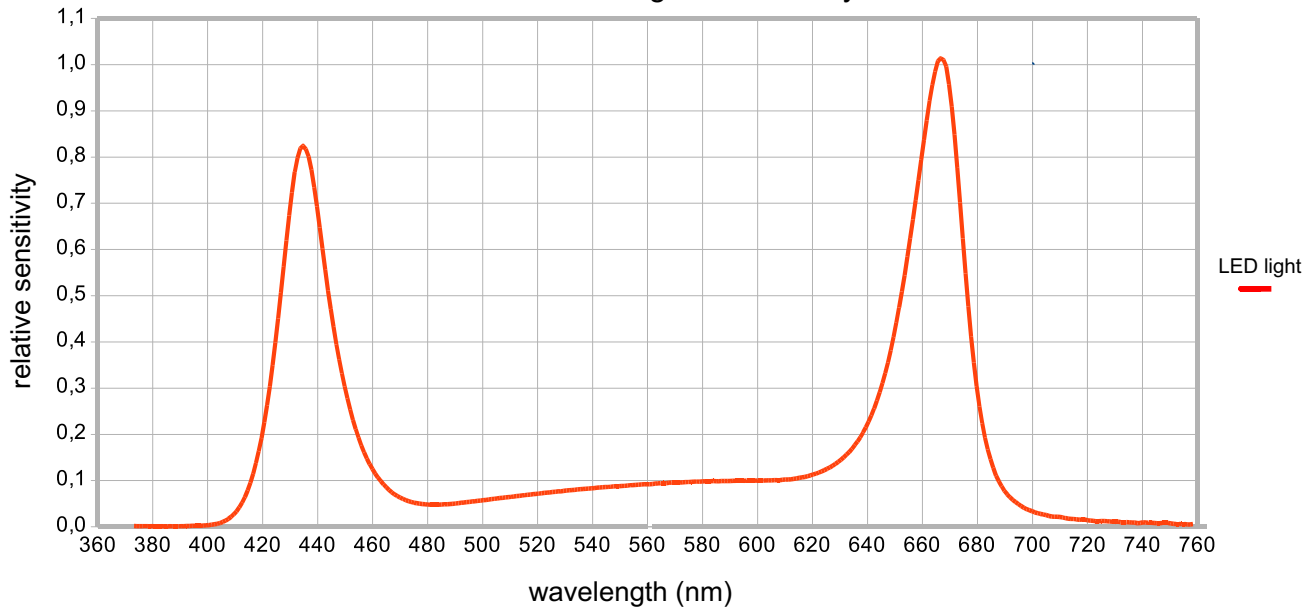
number of LEDs:	36
type of LEDs:	Osram OSOLON
beam angle of lenses:	30°
the colors of light:	2 x red, white, blue
control:	integrated DXM and RDM controller
power supply:	230 AC/50-60Hz (integrated power supply)
max. power consumption:	100 W
casing material:	aluminum
casing protection rating:	IP 65
weight:	4.5 kg (with 2 m cable)
dimensions (without handle):	length: 760 mm width: 70 mm height: 80 mm

Light distribution - polar diagram



Additional information

Distribution of wavelengths emitted by PX256



Lighting color choice is controlled via DMX-512 protocol.
 Brightness of each color is controlled with one DMX channel

Channel 1	red color LEDs
Channel 2	white color LEDs
Channel 3	blue color LEDs

Technical Drawing

