

# LED SMD HORTICULTUR LAMP

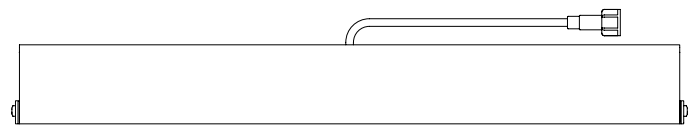
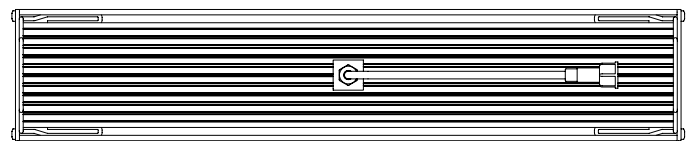


## Specification

- lamp equipped with LED light source made in SMD (Surface-Mount Devices) technology
- power consumption: 150 W
- **Power Factor: 0,98**
- beam angle: 120°
- ingress protection: **IP66\***
- light source lifespan up to **80 000 hours** (approx. 9 years of constant lighting)
- analog dimmer
- wtyczka kątowa
- standard cable length between lamp and driver: 1,00 m
- case made of anodized aluminum
- lamp equipped with diffuse glass for improved light distribution and uniformity
- passive heat dissipation
- warranty: basic 3 years, **extended 5 years**

## Dimensions

Version	Length	Width	Height	Weight
150 W	511 mm	100 mm	60 mm	5,60 kg



## Side view

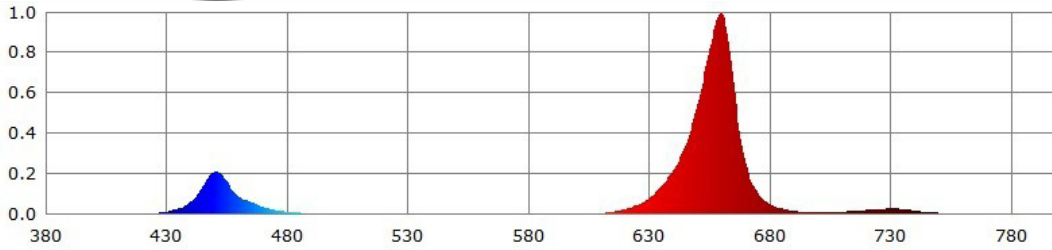


## Top view



\* - accounts for ingress protection of all electrical parts such as diode, driver, wires

# spectrum



# intensity

Below we present maps with dimensions of 60 cm by 60 cm where we measured the light intensity in 25 points expressed in  $\mu\text{mol}/\text{m}^2/\text{s}$  in the full range (400 - 800 nm) 100 cm, 50 cm and 30 cm under **one lamp**. Measurements were performed using a spectrophotometer in a room of dimensions 110 cm by 110 cm, which walls are characterized by a high light reflectance coefficient.

## 100 cm

148,1	160,4	165,5	161,0	143,6
165,4	176,4	180,4	173,5	161,3
167,9	181,4	186,4	180,1	163,7
167,9	174,2	176,6	171,4	156,7
144,2	155,2	158,8	153,2	139,7

## 50 cm

261,1	322,5	351,0	311,6	243,9
348,9	467,0	506,5	443,4	322,5
380,4	516,8	559,8	488,8	347,5
307,1	397,0	432,7	387,2	283,9
203,3	249,0	264,2	236,7	183,6

## 30 cm

176,9	265,0	307,2	259,2	172,1
429,4	814,6	933,3	848,5	438,0
678,2	1439,3	1588,5	1400,4	655,3
400,4	733,5	857,9	723,1	396,1
146,3	212,4	273,4	230,0	152,3

Below we present maps with dimensions of 60 cm by 60 cm where we measured the light intensity in 25 points expressed in  $\mu\text{mol}/\text{m}^2/\text{s}$  in the full range (400 - 800 nm) 100 cm, 50 cm and 30 cm under **two lamps**. Measurements were performed using a spectrophotometer in a room of dimensions 110 cm by 110 cm, which walls are characterized by a high light reflectance coefficient.

## 100 cm

286,1	320,0	333,5	323,4	297,4
318,7	348,5	360,5	350,2	326,3
327,3	356,2	368,7	360,7	336,8
321,2	347,0	358,3	346,7	318,4
287,0	312,1	322,7	314,5	291,1

## 50 cm

450,3	569,5	626,8	609,6	486,5
584,1	794,2	902,2	823,5	658,6
642,1	884,7	1021,7	942,1	701,7
571,6	776,5	861,6	816,3	632,0
429,4	547,7	612,4	572,9	458,2

## 30 cm

421,7	647,2	800,6	742,6	521,8
743,1	1412,6	1600,3	1498,3	930,2
912,1	1614,5	1852,9	1731,1	1168,6
756,5	1355,0	1579,6	1461,0	916,7
411,5	658,2	782,5	700,6	489,4



# *dimmer*

Easy-to-use dimmer allows you to set the desired power depending on the growth phase, the needs of the plant or individual preferences.