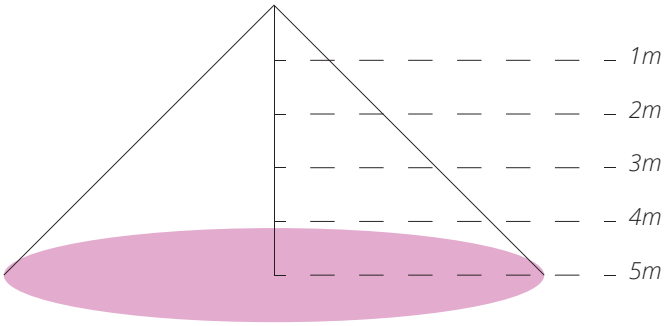
HORTICULTURE LED COB LAMPS

- case made of aluminum
- power consumption: 180W/ 240W/ 300W/ 400W
- **Power Factor: 0,98**
- beam angle: 60°/ 90°/ 120°
- ingress protection: **IP66***
- light source lifespan up to **100 000 hours** (approx. 11 years of constant lighting)
- lamp equipped with LED light source made in **COB** (Chip On Board) technology
- modular structure - each element of the fixture can be replaced independently
- passive heat dissipation
- basic warranty: 5 years

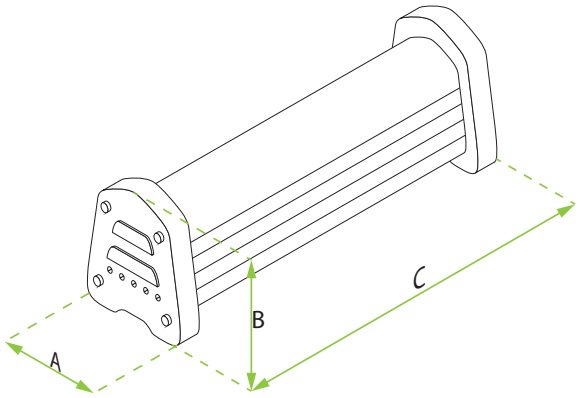
MADE IN POLAND

RoHS COMPLIANT

CE



Illuminated area			
Height [m]	Area [m²] of 60°	Area [m²] of 90°	Area [m²] of 120°
1	1,05	3,14	9,42
2	4,19	12,57	37,70
3	9,42	28,27	84,82
4	16,76	50,27	150,80
5	26,18	78,54	235,62



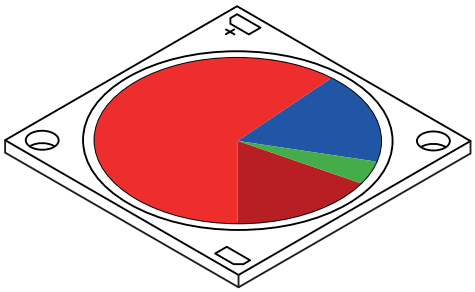
Dimensions			
Version [W]	**A** - Width [mm]	**B** - Height [mm]	**C** - Length [mm]
180	160	135	550
240	160	135	1 100
300	160	135	1 650
400	160	135	1 650

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

LIGHT SPECTRUM

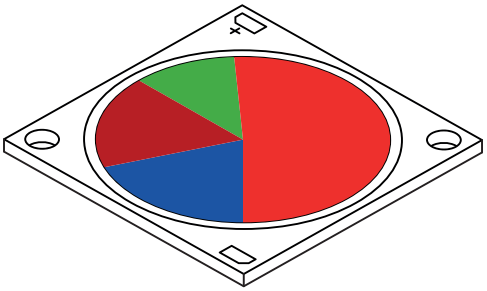
Our lamps use light sources of different spectrum so as to make sure that lighting conditions are appropriate for your cultivation. Below are three types of diodes of various wavelengths and of various total red to blue ratio. Each description displays a table presenting the spectrum divided into different wavelengths.

Strong Red



Plantalux Strong Red - LED COB of significantly high total red to blue ratio (87:13). Very high far red percentage that equals 20% of the entire spectrum. Such composition of wavelengths is ideal for the cultivation of vegetables, fruits and blooming flowers.

Range [nm]	**400 - 700** (PAR)	**700 - 800** (far red)	**600 - 700** (red)	**500 - 600** (green)	**400 - 500** (blue)	**380 - 400** (UV)
Percentage	80%	20%	65%	3%	12%	0%

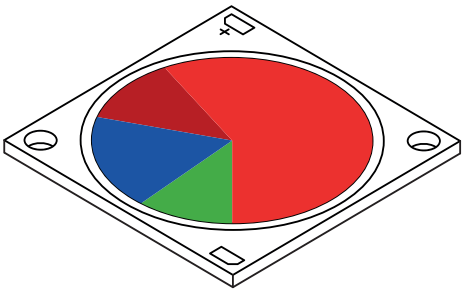


Double Blue

Plantalux Double Blue - LED COB of distinctly broader range of blue colour in the total spectrum. Such effect could be achieved by developing wavelength of double peak within 400 - 500 nm. Due to that total red to blue ratio has changed for the benefit of blue (75:25). Such mixture lets promote early stage of plant life especially in the vegetative phase. Appropriate mixture of wavelengths creates light suitable both for plants and human eyes – the CCT of this diode is approximately 5500 K.

Range [nm]	**400 - 700** (PAR)	**700 - 800** (far red)	**600 - 700** (red)	**500 - 600** (green)	**400 - 500** (blue)	**380 - 400** (UV)
Percentage	85%	15%	52%	12%	22%	0%

Leafy



Plantalux Leafy - LED COB designed and developed under supervision of experienced leafy greens growers and international horticulture consulting company. Due to balanced ratio of various wavelengths and far red at 6% leafy greens are not only healthy but keep shelf life freshness much longer.

Range [nm]	**400 - 700** (PAR)	**700 - 800** (far red)	**600 - 700** (red)	**500 - 600** (green)	**400 - 500** (blue)	**380 - 400** (UV)
Percentage	94%	6%	64%	16%	15%	0%

We can develop tailored diodes of different light spectrum for our customers.