

## FLOOD LIGHT

### Resistant reflector luminaires

#### Model range: FLH4

Optimal to support growth and reproduction

Unique light spectrum

Long lifetime with the option to revitalize



The professional garden luminaire FLH4 with a unique light spectrum is designed to support the growth and reproduction of plants in small gardens with a wide range of ambient temperatures, with a high demand for reliability and longevity.

The unique composition of the LEDs in the MCOB chips allowed us to create a unique light in the range from very cold blue to a strongly warm red color of the light spectrum. The intensities of the individual light components are optimally combined for the needs of plant photosynthesis. For this reason, we present the BPF data because PPFD values are defined only in a limited spectral band.

The beam angle enables efficient lighting of the growing area.

The luminaire body can be supplied in different RAL shades.

The robust construction of the FLH4 luminaire ensures high durability and excellent heat dissipation.

The luminaire is adjustable with a fixed lock.

The special cover glass allows the passage of the extended light spectrum even in the UVA band to take advantage of the unique capabilities of the MCOB chips used.

The luminaire's power supply creates a luminous flux without a stroboscopic effect.

The manufacturing technology used for MCOB (Multi Chip on Board) meets the ANSI Binning standards to ensure stable luminous flux. Each individual product meets the declared parameters in the range of  $\pm 2.5\%$ .

Due to the lower energy consumption to supply the same amount of spectrum needed, the cost of HVAC will be lower. The long life of the FLH4 luminaire is also due to the combination of the Meanwell power supply and the large cooling surface of the robust construction. The possibility of revitalization significantly reduces operating costs and brings a faster return on investment.

## General information

number of light sources:	4pcs of MCOB with special spectrum
lifetime:	according to TM21: 90 000 hours
construction:	aluminium body
revitalization:	LED chips, power supply
napájecí zdroj:	MeanWell HLG-xxxH without stroboscopic effect
optical unit:	clear tempered without UV filter
ecology:	does not contain mercury or silicone
mounting:	safely adjustable handle with lock
weight:	4,9 kg

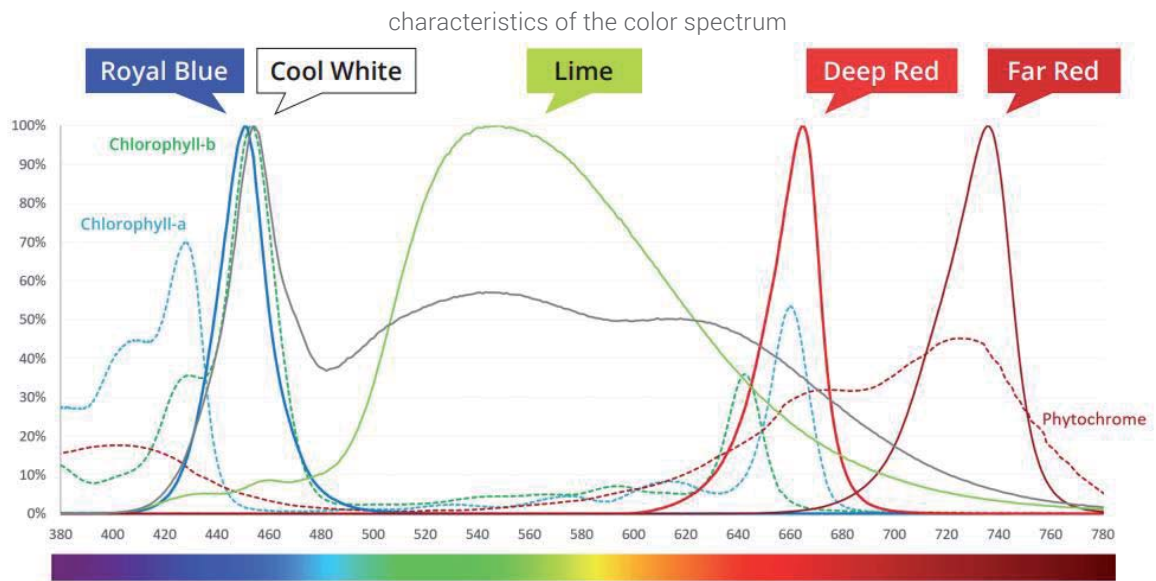
## Technical parameters

operation temperature range:	-10 °C to + 45 °C
light output range:	120° symmetrically
chromaticity band	420 nm - 730 nm
ingress protection:	IP65 with durable PU seal
power consumption:	80 W
power supply:	90 V to 305 V~, 47 to 63 Hz, PFC>0,96, MTBF: min.133 000 hrs.
management:	(A) without management (B) 1-10 V / PWM (D) DALI
BPF:	2,06/W in Royal Blue 2,11/W in Far Red

## Standards

- RoHS, IP65, hazardous light complies with Directive EC and Council 2013/35/ES
- Resistance according to EN 60598-1-2-3 +A1, EN 62031 +A1
- EMC: Directive 2004/108/EC – EN 55015, EN 61000, EN 61547

- Does not emit light interference by ANSI C63.4 & 47
- IP65 SVHC RoHS



## dimensions

