

## PlantaSeed Horticulture

LED modules for industry and outdoor applications



### Product family features

- 2 standard color mixes recipes for different applications
- Module efficacy: up to 3.6  $\mu\text{mol/J}$  (@rated conditions)
- PF up to 85  $\mu\text{mol/s}$  (@rated conditions)
- Average lifetime (L90B10): up to 70,000 (up to temperature at  $T_p = 60^\circ\text{C}$ )
- Thermal protection by NTC on the LED Module
- Maximum working voltage 550 V for the system
- Geometry according to Zhaga Book 15

### Product family benefits

- Customized solutions (color-mix & form factor) possible
- Perfect fit to OPTOTRONIC HC and Industry Drivers
- Compatible to standard outdoor and industry optics, e.g. Ledil Strada series

### Areas of application

- Industry (greenhouse, hardware store, supermarket)
- Horticulture application
- Suitable for operation on SELV and non-isolated systems
- Development of prototype luminaires and LED solutions in Horticulture applications
- Greenhouse



## Product family datasheet

### Technical data

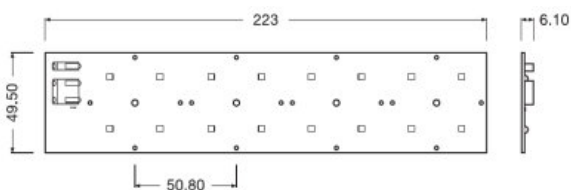
Product description	Electrical data		Photometrical data		Light technical data	
	Nominal current	Type of current	Photon Flux Efficacy	Photon Flux (PF)	Starting time	Warm-up time (60 %)
PlantaSeed R30W70	0.7 A	DC	3.6 $\mu\text{mol/J}$	85 $\mu\text{mol/s}$	< 0.1 s	< 2.00 s
PlantaSeed R90B10	0.7 A	DC	2.7 $\mu\text{mol/J}$	79 $\mu\text{mol/s}$	< 0.1 s	< 2.00 s

Product description	LED module information	Dimensions & weight			
	Number of LEDs per module	Product weight	Height	Length	Width
PlantaSeed R30W70	16	52.00 g	6.1 mm	223 mm	50 mm
PlantaSeed R90B10	16	52.00 g	6.1 mm	223 mm	50 mm

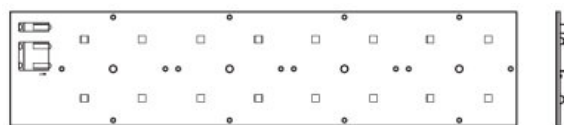
Product description	Temperatures & operating conditions	Certificates & standards	Logistical data	Environmental information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)
	Temperature range at storage	Standards	Commodity code	Date of Declaration
PlantaSeed R30W70	-30...85 °C	CE	854370909900	26-03-2022
PlantaSeed R90B10	-30...85 °C	CE	854370909900	26-03-2022

Product description	Primary Article Identifier	Declaration No. in SCIP database
PlantaSeed R30W70	4062172242417	In work
PlantaSeed R90B10	4062172242394	In work

## Product family datasheet



PLANTA SEED LITE



PLANTA SEED LITE



### Application advice

For more detailed application information and graphics please see product datasheet.

### Sales and Technical Support

Sales and Technical Support [www.osram.com](http://www.osram.com)

### Download Data

File	
	Certificates PlantaSeed CE 4359612 091121
	Certificates PlantaSeed UKD 4359615 091121

### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172242417	PlantaSeed R30W70	Shipping carton box 120	485 mm x 350 mm x 160 mm	27.16 dm <sup>3</sup>	6946.00 g
4062172242394	PlantaSeed R90B10	Shipping carton box 120	485 mm x 350 mm x 160 mm	27.16 dm <sup>3</sup>	6946.00 g

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

## Product family datasheet

---

### Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.