

Planta Seed Brick

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	
	Nominal current	Nominal voltage	Type of current	Nominal wattage	Photon Flux (PF)	Photon Flux Efficacy
PlantaSeed R30W70	07 A	420 V	DC	3000 W	85 µmol/s	3.6 µmol/l
PlantaSeed R90B10	07 A	340 V	DC	2370 W	79 µmol/s	2.7 µmol/l

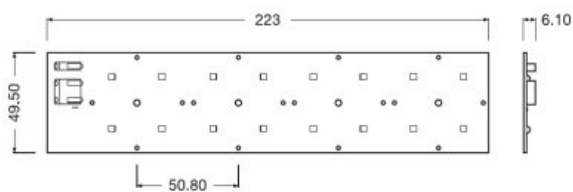
Product description	Light technical data		LED module information	Dimensions & weight		
	Warm-up time (60 %)	Starting time	Number of LEDs per module	Product weight	Height	Width
PlantaSeed R30W70	< 200 s	< 01 s	16	5200 g	61 mm	500 mm
PlantaSeed R90B10	< 200 s	< 01 s	16	5200 g	61 mm	500 mm

Product description	Length	Temperatures & operating conditions			
		Temperature range at storage	Performance temp. acc. to IEC 62717	Ambient temperature range	Maximum temperature at tc test point
PlantaSeed R30W70	2230 mm	-30...85 °C	60 °C	-20...+70 °C	85 °C
PlantaSeed R90B10	2230 mm	-30...85 °C	60 °C	-20...+70 °C	85 °C

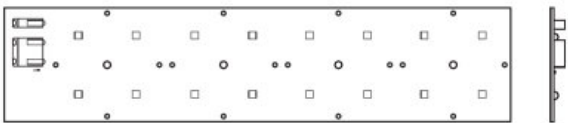
Product description	Lifespan		Certificates & standards	Logistical data
	Rated lamp life time	Number of switching cycles	Standards	Commodity code
PlantaSeed R30W70	50000 h	100000	CE	85395100000
PlantaSeed R90B10	50000 h	100000	CE	85395100000

Product description	Environmental information			
	Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)			
Product description	Date of Declaration	Primary Article Identifier	Candidate List Substance 1	Declaration No. in SCIP database
PlantaSeed R30W70	07-07-2023	4062172242417	No declarable substances contained	No declarable substances contained
PlantaSeed R90B10	07-07-2023	4062172242394	No declarable substances contained	No declarable substances contained

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

Download Data

File	
	Certificates PlantaSeed R CE 4359612 180823
	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 ³	6946.00 g
4062172242394	PlantaSeed R90B10	Shipping carton box 120	485 mm x 350 mm x 160 mm	27.16 dm ³	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.

Disclaimer

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