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 µmol/J (@rated conditions)
- PF up to 85 µmol/s (@rated conditions)
- Average lifetime (L90B10): up to 70,000 (up to temperature at Tp = 60 °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

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Technical data

	Electrical data				Photometrical data	
Product description	**Type of current**	**Nominal current**	**Nominal voltage**	**Nominal wattage**	**Photon Flux (PF)**	**Photon Flux Efficacy**
PlantaSeed R30W70	DC	0.7 A	42.0 V	30.00 W	85 µmol/s	3.6 µmol/J
PlantaSeed R90B10	DC	0.7 A	34.0 V	23.70 W	79 µmol/s	2.7 µmol/J

	Light technical data		LED module information	Dimensions & weight		
Product description	**Warm-up time (60 %)**	**Starting time**	**Number of LEDs per module**	**Product weight**	**Height**	**Width**
PlantaSeed R30W70	< 2.00 s	< 0.1 s	16	52.00 g	6.1 mm	50.0 mm
PlantaSeed R90B10	< 2.00 s	< 0.1 s	16	52.00 g	6.1 mm	50.0 mm

		Temperatures & operating conditions			
Product description	**Length**	**Ambient temperature range**	**Performance temp. acc. to IEC 62717**	**Temperature range at storage**	**Maximum temperature at tc test point**
PlantaSeed R30W70	223.0 mm	-20…+70 °C	60 °C	-30…85 °C	85 °C
PlantaSeed R90B10	223.0 mm	-20…+70 °C	60 °C	-30…85 °C	85 °C

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

	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

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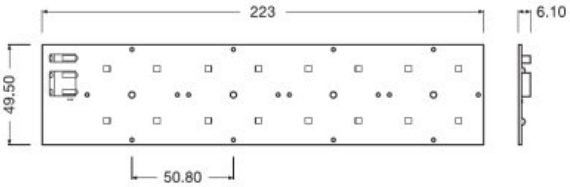

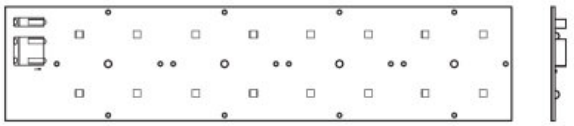

PLANTA SEED LITE

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.

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