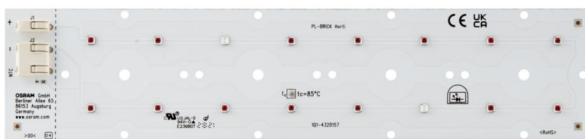


The trusted value of OSRAM Digital Systems continues with Inventronics Global – where experience meets innovation.

PlantaSeed R90B10

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



Specifications are subject to changes without notice.

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support@inventronicsglobal.com

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

Technical data

Electrical data

Nominal voltage	34.00 V
Nominal current	0.7 A
Rated wattage	23.70 W
Type of current	DC

Photometrical data

Color Temperature	0
Photon Flux Efficacy	2.7 $\mu\text{mol/J}$
Photon Flux (PF)	79 $\mu\text{mol/s}$

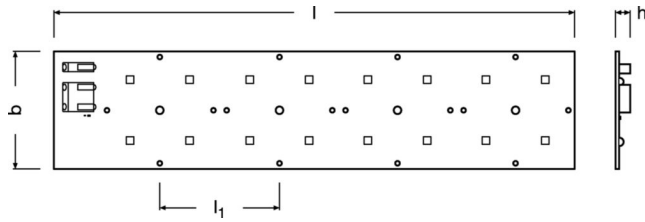
Light technical data

Beam angle	120 °
Warm-up time (60 %)	0 s
Starting time	0 s

LED module information

Number of LEDs per module	16
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Dimensions & weight



Product weight	52.00 g
Height	6.1 mm
Length	223.0 mm
Width	50.0 mm

Temperatures & operating conditions

Performance temp. acc. to IEC 62717	60 °C
Maximum temperature at tc test point	85 °C
Temperature range at storage	-30...85 °C
Ambient temperature range	-20...+70 °C

Lifespan

Number of switching cycles	100000
Lifespan	not relevant
Rated lamp life time	50000 h

Additional product data

Lighting technology used	LED
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Capabilities

Dimmable	Yes
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Certificates & standards

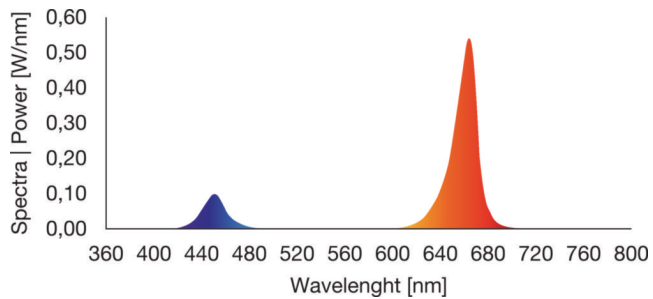
Standards	CE
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Logistical data

Commodity code	85395100000
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Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	13-02-2025
Primary Article Identifier	4062172242394
Declaration No. in SCIP database	In work
SCIP_STATUS	In work
SCIP_ID	

Light Distribution

PlantaSeed R90B10 Graph

Download Data

File		
Certificates	PDF	▶ PlantaSeed R CE 4359612 180823
Certificates	PDF	▶ PlantaSeed UKD 4359615 091121

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172242394 OSRAM	PlantaSeed R90B10	Shipping carton box 120 Pieces	485 x 350 x 160 mm	27.16 dm ³	57.15 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.