

PlantaSeed R30W70

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 datasheet

Technical data

Electrical data

Nominal wattage	30.00 W
Nominal voltage	42.0 V

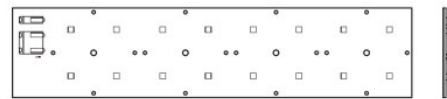
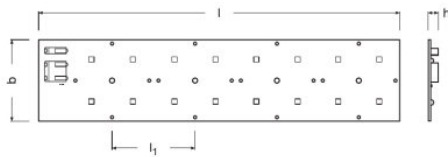
Light technical data

Starting time	< 0.1 s
Warm-up time (60 %)	< 2.00 s

LED module information

Number of LEDs per module	16
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Dimensions & weight



Height	6.1 mm
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Temperatures & operating conditions

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

Lifespan

Number of switching cycles	100000
Rated lamp life time	50000 h

Logistical data

Commodity code	853951000000
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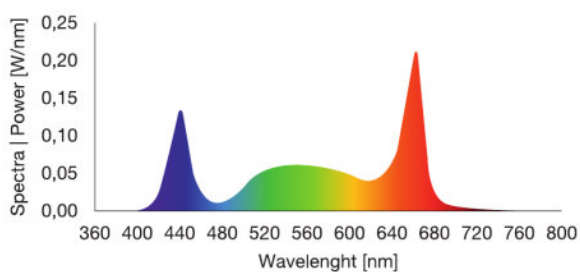
Environmental information

Product datasheet

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)



Date of Declaration	19-10-2022
Primary Article Identifier	4062172242417
Declaration No. in SCIP database	In work

Light Distribution



PlantaSeed R30W70 Graph

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
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Product datasheet

Logistical Data

4062172242417	PlantaSeed R30W70	Shipping carton box 120	485 mm x 350 mm x 160 mm	27.16 dm ³	6946.00 g
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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.