



# **OREON GROW LIGHT 2.2 EXTENDED VOLTAGE**

NARROW BEAM

**TECHNICAL DATASHEET - EU**

2018

## Product features

Housing material	Aluminium
Finishing	Anodized/ Antifouling powder coating RAL 9010 (dirt repellent)
Optics materials	High transmission glass with AR coating on both sides (transmission >98%)
Radiation angle	120°
Protection degree LED compartment	IP67 (dust- and watertight) Lamps can be cleaned by using pressurized water, the complete electrical circuit is sealed waterproof.
Impact resistance housing	IK10
Impact resistance glass	IK07

## Technical data

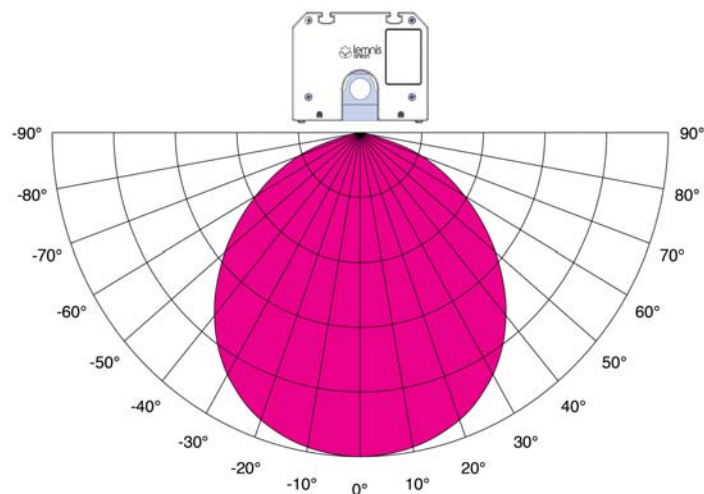
Cos(phi)	> 0,95
Voltage range	220-480 VAC
Current range	3,0A - 1,4A
Frequency range	50/60 Hz
Inrush current	< max. 40A (t< 1 msec)
Leakage current	< 0,75 mA@480VAC
Isolation class	Class I
Connector	Integrated: 3 pole connector Male (Wieland RST) Connects to: 3 pole connector Female (Wieland 96.031.4553.1)
Operation conditions	0°C to 45°C / 95% RH
Storage conditions	0°C to 60°C / 85% RH

## Optical properties

	LB	MB	HB
Light colors			
Photon flux (μMol/s)*	1790	1740	1715
Percentage of blue (% μMol/s)	4,6%	6,5%	9,7%
Wattage (W)	655	640	640
Efficacy (μMol/J)	2,73	2,72	2,68

Other spectrum varieties on request

Lifespan	L90 - 35.000 hours
Electrical and optical properties	
have a tolerance of ± 5%	



### Cooling liquid and circuit

Cooling liquid	Water		
Cooling liquid temperature	20°C to 35°C		
Heat imparted onto cooling system per fixture	LB	MB	HB
	<300 W	<295 W	<300 W
Water connection	Pipe thread ISO 228-G 3/4" (2x)		

### Weight and dimensions

Nett weight	8,3 kg
Gross weight (approx.)	10 kg (including mounting brackets, connectors, pipes)
Product dimensions (L x W x H)	388 mm x 160 mm x 122 mm
Carton dimensions (L x W x H)	550 mm x 220 mm x 175 mm

### Mounting

Fixture mounting interface 4x M6 T-nut (maximum depth for the bolt is 10 mm). The four T-nuts are included in the delivery.

### Drawings



### Logistic specifications

Quantity per pallet	49 pcs.
Gross weight per pallet	490 kg
Pallet dimensions (EUR)	800 mm x 1200 mm x 1040 mm

### Compliance

CE tested by DEKRA

Low Voltage Directive (LVD) 2014/35/EU

Electromagnetic Compatibility Directive (EMC) 2014/30/EU

Restriction of Hazardous Substances (RoHS) Directive 2011/65/EU

cMETus listed (ANSI/UL)

UL 1598

CSA C22.2 No. 250.0-08

The products meet the RoHS standard, based on the European RoHS Directive 2011/65/EU



Technical Datasheet

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