



# **OREON GROW LIGHT 2.1**

WIDE BEAM

**TECHNICAL DATASHEET - EU**

## 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	140°
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	115-277 VAC
Current range	6,0A - 2,3A
Frequency range	50/60 Hz
Inrush current	< max. 70A (t< 1 msec)
Leakage current	< 0,75 mA@277VAC
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

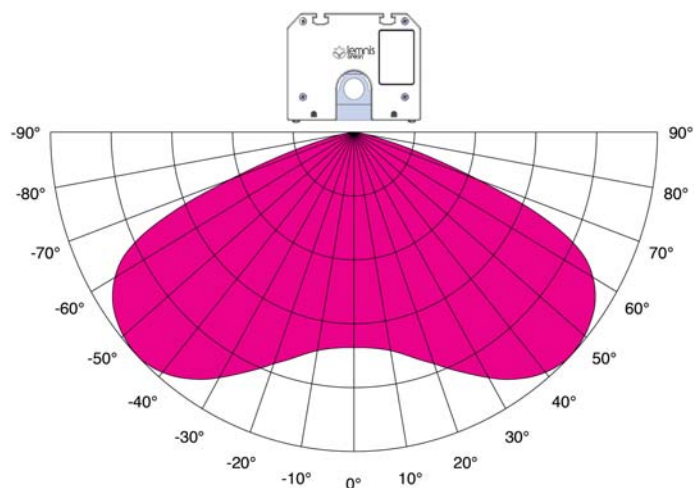
## Optical properties

Light colors	LB	MB	HB
Photon flux ( $\mu\text{Mol/s}$ )*	1620	1580	1550
Percentage of blue (% $\mu\text{Mol/s}$ )	4,5%	6,2%	9,5%
Wattage (W)	625	610	605
Efficacy ( $\mu\text{Mol/J}$ )	2,59	2,59	2,56

Other spectrum varieties on request

Lifespan	L90 - 35.000 hours
Electrical and optical properties	
have a tolerance of $\pm 5\%$	

Customized lens  
The customized lens ensures an ideal light distribution for maximum uniformity. See image below.



### 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	<290 W	<290 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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