



OREON GROW LIGHT 2.1

NARROW 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	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

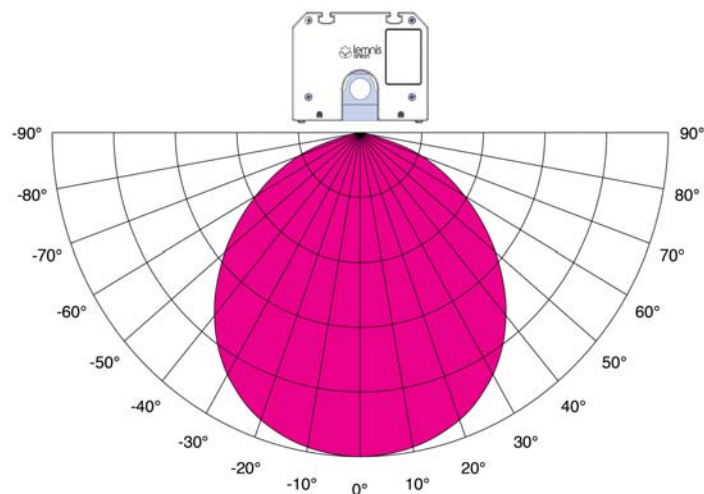
Cos(phi)	> 0,95
Voltage range	115-277 VAC
Current range	6,0A - 2,3A
Frequency range	50/60 Hz
Inrush current	< max. 70A (t< 1 msec)
Leakage current	< 0,75 mA@277VAC
Isolation class	Class I
Connector	Integrated: 3 pole connector Male (Wieland RST) Connects to: 3 pole connector Female (Wieland 96.031.4553.1)
Operation conditions	0°C to 45°C / 95% RH
Storage conditions	0°C to 60°C / 85% RH

Optical properties

	LB	MB	HB
Light colors			
Photon flux (μMol/s)*	1700	1640	1620
Percentage of blue (% μMol/s)	5,1%	7,0%	10,7%
Wattage (W)	625	610	605
Efficacy (μMol/J)	2,72	2,69	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
Cooling liquid temperature

Water
20°C to 35°C

Heat imparted onto cooling system per fixture

LB	MB	HB
<290 W	<280 W	<280 W

Water connection

Pipe thread ISO 228-G 3/4" (2x)

Weight and dimensions

Nett weight
Gross weight (approx.)
Product dimensions (L x W x H)
Carton dimensions (L x W x H)

8,3 kg
10 kg (including mounting brackets, connectors, pipes)
388 mm x 160 mm x 122 mm
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
Gross weight per pallet
Pallet dimensions (EUR)

49 pcs.
490 kg
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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Oreon

Lorentzlaan 6
3401 MX IJsselstein
The Netherlands

T +31 (0)30 76 00 660
E info@oreon-led.com
W www.oreon-led.com

