



OREON GROW LIGHT 2.1

WIDE BEAM

TECHNICAL DATASHEET - US/CA

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	32 - 113F / 95% RH
Storage conditions	32 - 140F / 85% RH

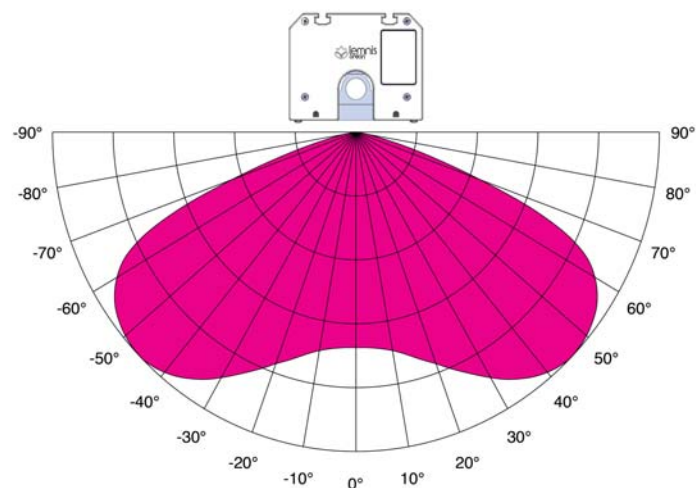
Optical properties

	LB	MB	HB
Light colors			
Photon flux (μMol/s)*	1620	1580	1550
Percentage of blue (% μMol/s)	4.5%	6.2%	9.5%
Wattage (W)	625	610	605
Efficacy (μMol/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 ± 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

68°F to 95°F

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

18.3 lb

Gross weight (approx.)

22.0 lb (including mounting brackets, connectors, pipes)

Product dimensions (L x W x H)

15.28" x 6.3" x 4.8"

Carton dimensions (L x W x H)

21.65" x 8.66" x 6.89"

Mounting

Fixture mounting interface 4x M6 T-nut (maximum depth for the bolt is 3/8 inch). The four T-nuts are included in the delivery.

Drawings



Logistic specifications

Quantity per pallet

49 pcs.

Gross weight per pallet

1080.3 lb

Pallet dimensions (EUR)

31.5" x 47.24" x 40.94"

Compliance

cMETus listed (ANSI/UL)

UL 1598

CSA C22.2 No. 250.0-08

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



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

