



# OREON GROW LIGHT 2.1

NARROW 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	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

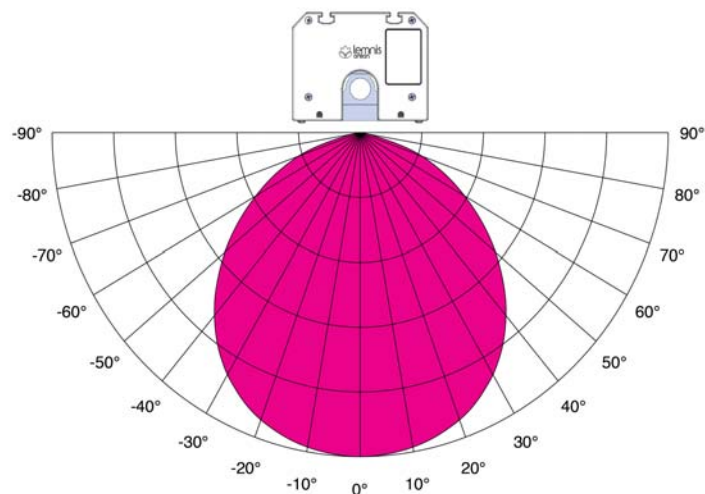
Cos(phi)	> 0.95
Voltage range	115-277 VAC
Current range	6.0A - 2.3A
Frequency range	50/60 Hz
Inrush current	< max. 70A (t< 1 msec)
Leakage current	< 0.75 mA@277VAC
Isolation class	Class I
Connector	Integrated: 3 pole connector Male (Wieland RST) Connects to: 3 pole connector Female (Wieland 96.031.4553.1)
Operation conditions	32-113F / 95% RH
Storage conditions	32-140F / 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  
68°F to 95°F

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)

18.3 lb  
22.0 lb (including mounting brackets, connectors, pipes)  
15.28" x 6.3" x 4.8"  
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  
Gross weight per pallet  
Pallet dimensions (EUR)

49 pcs.  
1080.3 lb  
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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