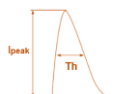


MECHANICAL SPECIFICATIONS

Parameter	Value	Unit	Remarks
Lighting Unit (LU) Dimensions	475 x 220 x 80	mm	(1x) Lighting Unit per system. The Lighting Unit has standard 2,5 meters cord attached.
LU - Weight	6,3	kg	
LU – Housing Material	Aluminum		
LU – Ingress Protection Rating	IP 66		Applies only with fully assembled and engaged connectors
Driver Unit (DU) Dimensions	355 x 160 x 60	mm	
DU – Weight	2,5	kg	
DU – Housing Material	Aluminum		
DU – Ingress Protection Rating	IP 65		Applies only with fully assembled and engaged connectors
Ambient Temperature	0 – 30°C	°C	
Relative Air Humidity	5 – 85 %	% RH	Non-condensing

ELECTRICAL SPECIFICATIONS

Parameter	Value	Unit	Remarks
Mains Voltage EU	230 400	Vac	L-N, 50 – 60 Hz; Recommended: (220Vac – 240Vac) L-L, 50 – 60 Hz, Recommended: (390Vac – 410 Vac)
Power Draw (max.)	525	W	
Power Factor	0,98 0,96		Input voltage 230Vac, at 100% load Input voltage 400Vac, at 100% load
Inrush Current (peak)	< 10 < 16	A	Input voltage 230Vac, measured at 50% I_{peak} , $T_h = 1,9$ ms Input voltage 400Vac, measured at 50% I_{peak} , $T_h = 2,0$ ms 
Surge Transient Protection	2 2	kV	L-N according to IEC 61547 Clause 5.7 L/N-PE according to IEC 61547 Clause 5.7
Fast Transients Protection	4	kV	according to IEC 61000-4-4 Level 4
Leakage Current	< 1,0	mA	RMS, according to IEC61347-1
Protection	Use MCB (Miniature Circuit Breaker) or MMS (Manual Motor Starter)		
Dimming	No dimming available		



PRODUCT DATASHEET

HORTILED® Top *Sirius G2 NoDIM*

LIGHT SPECIFICATIONS

Parameter	Value	Remarks
Radiation Angle	Deep Wide Beam	120°- degree LEDs Wide light distribution with high uniformity

HORTILED® Top <i>Sirius G2 NoDIM</i> Light Recipe ¹	System PF ² Deep Wide (μmol/s)	System PPF ² Deep Wide (μmol/s)	Flux Tolerance (+/-)	Spectrum Tolerance ³ (+/-)	System Power Draw (W)	System PF Efficacy (μmol/J)	System PPF Efficacy (μmol/J)
[100.0500.9500]	1808 1627	1800 1620	5%	1%	520	up to 3,48	up to 3,46
[100.0506.8900]	1714 1543	1700 1530	5%	1%	510	up to 3,36	up to 3,33

1- Can be tailored on a project-specific basis. Minimum quantities apply.

2- LEDs with 120°- degree radiation angle.

3- By the moment of installation: (Time = 0)





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PRODUCT DATASHEET

HORTILED® Top *Sirius G2 NoDIM*

OTHER SPECIFICATIONS & REMARKS

Parameter	Value	Remarks
Risk Group accr. to IEC 62471	LED Risk Group 2	
Expected Lifespan – Lighting Unit	L90B10 at 5 years	<i>maximum 5600 hours of operation per year</i>
Expected Lifespan – Driver Unit	5 years	
Wireless control – Mesh Network Activation fee (one-time)	The fixtures are digitally controllable as agreed between the client and Hortilux. After activation, Hortilux will no longer be involved with the activation itself, and the client can continue to use this digital control of the fixtures at any time. No updates will take place. If an update to the system becomes available and is desired by the client, Hortilux can, if possible, provide a quote for the requested update.	

ATTENTION: This product is a grow-light system intended for overhead illumination of horticultural crops. Any use other than the approved & described intended use, is considered unintended use. Hortilux Schröder B.V cannot be held responsible for possible (consequential) damage caused by improper, incorrect or inadvisable use.



REMARK: The product data reflects a comprehensive integration of measurements from stabilized fixtures under their defined operating conditions. Laboratory tests are conducted in accordance with **DIN EN 13032** and **EN 13032-4:2015** standards, using highly accurate, calibrated equipment. Additionally, the data is supported by field measurements involving multiple fixtures installed across diverse grid configurations, electrical network settings, and customer-specific environmental conditions. This approach ensures the data is both reliable and representative of real-world performance, covering key photometric and electro-mechanical metrics. For luminaires with a dynamic spectrum, the measurement is performed at 100% power with all LEDs within the 400-800 nm range activated. The light intensity within the 400-700 nm range is measured using a Licor meter (Type: LI-COR LI-190R Quantum Sensor) The light spectrum within the 400-800 nm range is measured using a UPRtek spectrometer (Type: UPRtek PG200N Spectral PAR Meter).



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