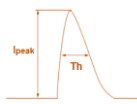


MECHANICAL SPECIFICATIONS

Parameter	Value	Unit	Remarks
Lighting Unit (LU) Dimensions	970 x 119 x 95	mm	(1x) Lighting Unit per system.
LU - Weight	6	kg	
LU – Housing Material	Aluminum		
LU – Ingress Protection Rating	IP66		Applies only with fully assembled and engaged connectors
Driver Unit (DU) Dimensions	300 x 140 x 50	mm	Cable length on driver output side (incl. connector) = 240 mm
DU – Weight	3,5	kg	
DU – Housing Material	Aluminum		
DU – Ingress Protection Rating	IP66 / IP67		Applies only with fully assembled and engaged connectors
Ambient Temperature	0 – 30°C	°C	
Relative Air Humidity	5 – 85 %	% RH	Non-condensing

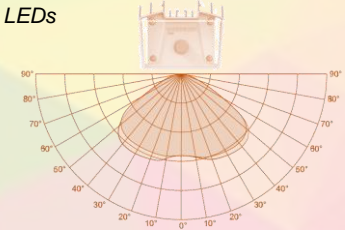
ELECTRICAL SPECIFICATIONS

Parameter	Value	Unit	Remarks
Mains Voltage EU	400	Vac	L-L, 50 – 60 Hz, Recommended: (390Vac – 410 Vac)
Power Draw (max.)	450	W	
Power Factor	0,98 0,94 0,50		Input voltage 400Vac, at 450W load (%100) Input voltage 400Vac, at 225W load (~%50) Input voltage 400Vac, at 45W load (~%10)
Inrush Current (peak)	< 15	A	Input voltage 400Vac, 25°C cold start, measured at 50% I_{peak} $T_h = 2,3\ ms$ 
Surge Transient Protection	2 2	kV	Acc. IEC61000-4-5. 2 Ohm, 1.2/50us, 8/20us Acc. IEC61000-4-5. 12 Ohm, 1.2/50us, 8/20us
Leakage Current	< 1,5	mA	RMS, according to IEC61347-1
Protection	Use MCB (Miniature Circuit Breaker) or MMS (Manual Motor Starter)		
Dimming	Option#1 = Dim-Ready Driver Unit with 0-10V, no connector on dim-cable Option#2 = Dimmable Driver Unit with 0-10V, with connector on dim-cable Option#3 = Dimmable Driver Unit with digital dimming via wireless dongle All options are dimmable down to 10%.		

PRODUCT DATASHEET

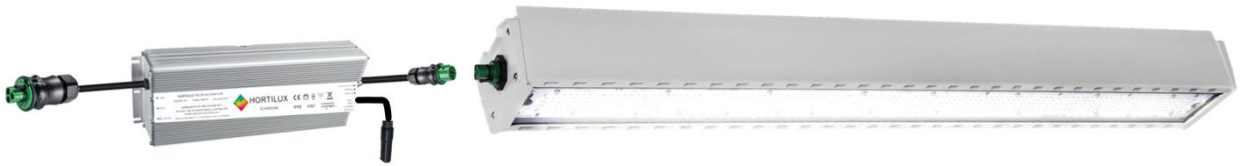
HORTILED® Top Sirius G3 DIM

LIGHT SPECIFICATIONS

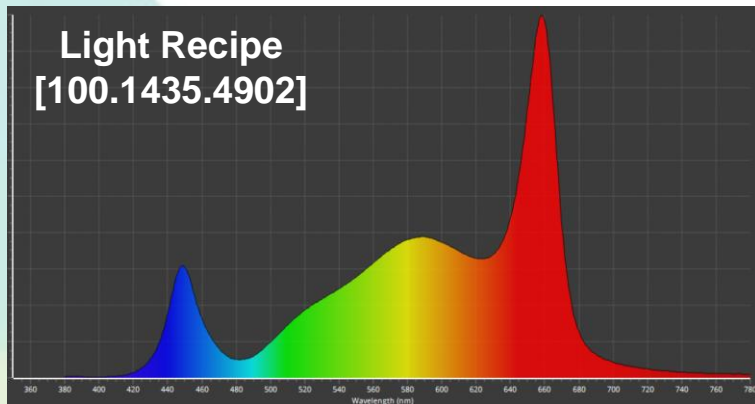
Parameter	Value	Remarks
Radiation Angle	Deep	120°- degree LEDs 

HORTILED® Top Sirius G3 DIM Light Recipe	System PF ¹ Deep Wide (μmol/s)	System PPF ¹ Deep Wide (μmol/s)	Flux Tolerance (+/-)	Spectrum Tolerance ² (+/-)	System Power Draw (W)	System PF Efficacy (μmol/J)	System PPF Efficacy (μmol/J)
[100.1435.4902]	1278	1252	5%	1%	430	up to 3,0	up to 2,9

1- LEDs with 120°- degree radiation angle.
2- By the moment of installation: (Time = 0)



*HORTILED® Top Sirius G3 DIM
growlight system with wireless dim dongle*



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).

