

# PRODUCT DATASHEET

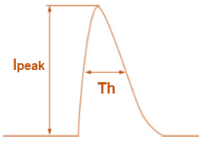
## HORTILED® Multi Fusion

### Under Canopy

#### MECHANICAL SPECIFICATIONS

Parameter	Value	Unit	Remarks
Fixture Dimensions	2350 x 81 x 99	mm	2275 mm total length of the fixture. 2350 mm is including the bending radius of the cord
Weight	6,5	kg	
Housing Material	PC		Polycarbonate
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

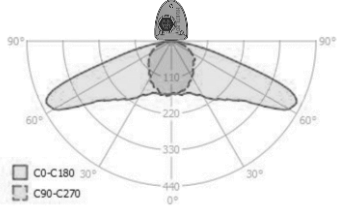
Parameter	Value	Unit	Remarks
Mains Voltage EU	230 (220 – 240)	Vac	L-N, 50 – 60 Hz
Power Draw (Nom.)	130	W	
Power Factor	0,9		Input voltage 230V, at 100% load
Inrush Current (peak)	11	A	Input voltage 230V, measured at 50% $I_{peak}$ , $T_h = 0,063$ ms 
Surge Transient Protection	2 4	kV	Acc. IEC61000-4-5. 2 Ohm, 1.2/50us, 8/20us Acc. IEC61000-4-5. 12 Ohm, 1.2/50us, 8/20us
Leakage Current	2,0	mA	peak, according to IEC60598-1:2020
Fixtures daisy-chained (max.)	21	PCS	
Protection	Use MCB (Miniature Circuit Breaker) or MMS (Manual Motor Starter)		
Dimming	Optional with DALI protocol		



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### LIGHT SPECIFICATIONS

Parameter	Value	Unit	Remarks
Radiation Angle	150	degree	Wide beam 
Risk Group accr. to IEC 62471	LED Risk Group 2		

LED Recipe **	System Photon Flux (μmol/s)	Flux Tolerance (+/-)	System Power Draw (W)	System PF Efficacy (μmol/J)
HORTILED® Multi <i>Fusion</i> - [100.0900.9100]	370	5%	130	2,85

### GENERAL REMARKS

This product is a grow-light system intended for overhead illumination of horticultural crops. Any use other than the approved intended use described above, 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).

