


PRODUCT DATASHEET

HSE NXT 2 1000W Top Line +

MECHANICAL SPECIFICATIONS

Parameter	Value	Unit	Remarks
Fixture Dimensions	566 x 306 x 258	mm	
Weight	4,5	kg	Including lamp and reflector
Housing Material	Aluminum		
Ingress Protection Rating	IP23		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	(390 Vac – 410 Vac): Recommended (360 Vac – 440 Vac): Range
Network Frequency	50 – 60	Hz	(50 Hz – 60 Hz): Recommended (47,5Hz – 63 Hz): Safety
Current (Nom.)	2,65	A	
Power Draw (Nom.)	1060	W	Tolerance on power draw: +/-2%
Power Factor	0,99		Input voltage 400Vac, at %100 load
Inrush Current (peak)	19	A	Input voltage 400Vac, measured at 50% I_{peak} , $T_h = 3\text{ ms}$ 
Surge Transient Protection	2 4	kV	L-L according to IEC 61547 Clause 5.7 L/N-PE according to IEC 61547 Clause 5.7
Leakage Current	< 1	mA	RMS, according to IEC 61347-1
Protection	Use MCB (Miniature Circuit Breaker) or MMS (Manual Motor Starter)		



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LIGHT SPECIFICATIONS

HSE NXT2 1000W <i>Top Line</i> +, only to be equipped with standard lamp: [HORTURION HPS 1000W DE EL supra]	System PPF ($\mu\text{mol/s}$)	Flux Tolerance (+/-)	System Power Draw (W)	System PPF Efficacy ($\mu\text{mol/J}$)
w ith ALPHA (Midi Reflector)	up to 1870	5 %	1060	up to 1,77
w ith BETA (Deep Reflector)	up to 1915	5 %	1060	up to 1,81
w ith OMEGA (Deep Reflector)	up to 2030	5 %	1060	up to 1,92
w ith LIA1000W* (Wide Reflector)	up to 1790	5 %	1060	up to 1,69

*Requires different reflector bracket.



ALPHA



BETA



OMEGA



LIA 1000W



*HSE NXT 2 1000W Top Line +
with OMEGA reflector*

OTHER SPECIFICATIONS & REMARKS

Parameter	Value	Remarks
Average Rated Lamp Life	4 years or 10000 hours (w hich comes first)	<i>Expected PAR flux reduction according to the lamp manufacturer datasheet & warranty conditions: at 3000h = % 97; at 6000h = % 96; at 10000h = %95</i>

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 Schréder B.V. cannot be held responsible for possible (consequential) damage caused by improper, incorrect or inadvisable use.

