



AGRICLÉ

INDOOR HORTICULTURE

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The background image shows a vertical farming system. At the top, there are several rows of bright, warm-white LED lights mounted on a dark, reflective surface. Below the lights, a dense field of green leafy plants is visible, growing in a controlled environment. The plants appear to be a type of leafy green, possibly spinach or lettuce, with some showing signs of being harvested or cut.

RETHINK CULTURE IN CUBIC FOOT, THANKS TO FUTUR VERT LIGHTING SOLUTIONS!

Designed for a controlled environment requiring a uniform and highly efficient photosynthetic flux density level, our superior green lighting solutions optimize the growth rate of your plants for the best performance in the industry.

HERBZ-HORTI (sprouts, seedling and herbs)

- Housing material in aluminium
- Built-in driver, easy for installation and transport
- Optics materials: conformal coating (transmission >97%)
- Radiation angle of 120°
- Suspended or surface mounted installation

110 V

20 W can connect 30 units
30 W can connect 20 units

220 V

20 W can connect 60 units
30 W can connect 40 units

277 V

20 W can connect 70 units
30 W can connect 50 units



Daisy-chain solution
Easy to control

Low Voltage Directive (LVD)
Electromagnetic Compatibility Directive (EMC)

TECHNICAL DATA	HORTI.03.100.020D4.03.E	HORTI.03.100.030D4.03.E
Power Consumption	20 W (+/- 5%)	30 W (+/- 5%)
System Efficacy (μmol/J)	2.3 @ 220 Vac	
PPF Output (μmol/s)	46	69
Power Input	100-277 Vac, 50-60 Hz	
Current Range	0.2 A @ 100 V or 0,07 A @ 277 V	0.3 A @ 100 V or 0.11 A @ 277 V
Isolation Class	Class 1	
Heat BTU Generated	68.2 BTU	102.3 BTU
Power Factor	> 0.9	
Dimming	No	
IP Rating (International Protection)	IP65	
Operation Conditions	0 °C to 40 °C (32 °F to 104 °F) 95% RH	
Storage Conditions	-40 °C to 70 °C (-40 °F to 158 °F) 85% RH	
Warranty	5 years	

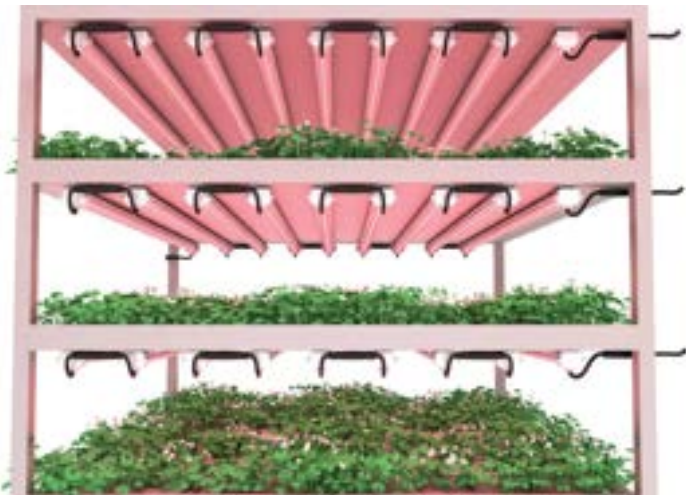
RoHS



CE

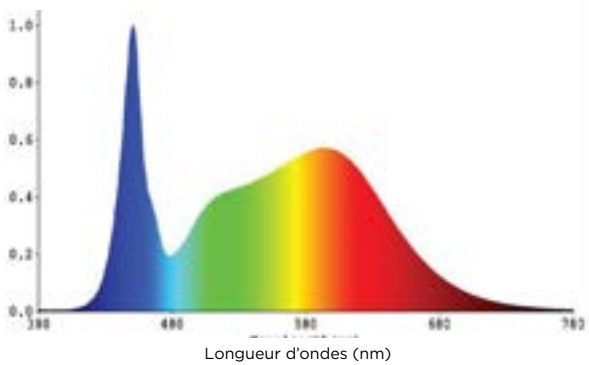


USE: INDOOR VERTICAL GROWTH SHELF SOLUTION (EX : SPROUTS)



SPECTRUM

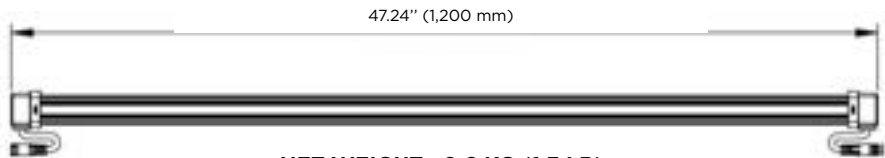
1.0=1.052e + 002 mW/nm



ACCESSORIES (SOLD SEPARATELY)

	Power cable 120V M12 #HORTI.03.C007
	#HORTI.03.A007K : Cable kit with tie wires and brackets (HORTI.03.C007 + HORTI.03.A010 + HORTI.03.A005)
	Power cable 240V M12 #HORTI.03.C008
	Power cable 120-277V Pigtail M12 #HORTI.03.C009
	Extension cord 120-277V M12 #HORTI.03.C010
	2 attachment wires with latch for hanging Adjustable length #HORTI.03.A010
	Mounting brackets with eyelets #HORTI.03.A005
	Mounting brackets without eyelets #HORTI.03.A006

DIMENSIONS



NET WEIGHT : 0.6 KG (1.3 LB)

1.89" (48 mm)
1.3" (33 mm)

HERBZ-ROOTS (sprouts, seedling and herbs)

- Housing material in polycarbonate
- Built-in driver, easy for installation and transport
- Optics materials: polycarbonate
- Radiation angle of 120°
- Passive cooling, no fans or moving parts
- Balanced, full-spectrum light output
- For use in low rooms, vertical racks, over benches and even suitable in tents

110 V

30 W can connect 25 units

220 V

30 W can connect 50 units

High efficacy of 2.3 μmol per watt



Mounting brackets
(screws included)

Low Voltage Directive (LVD)

Electromagnetic Compatibility Directive (EMC)

TECHNICAL DATA	HORTI.03.050.030D4.03.C
Power Consumption (+/- 10%)	30 W
System Efficacy ($\mu\text{mol}/\text{J}$)	2.3 @ 220 Vac
PPF Output ($\mu\text{mol}/\text{s}$)	62
Power Input	100-240 Vac, 277 Vac, 50-60 Hz
Current Range	0.2 A @ 100 V or 0.07 A @ 277 V
Isolation Class	Class 2
Heat BTU Generated	92 BTU
Dimming	No
IP Rating (International Protection)	IP65
Operation Conditions	0 °C to 40 °C (32 °F to 104 °F) 95% RH
Storage Conditions	-40 °C to 70 °C (-40 °F to 158 °F) 85% RH
Warranty	3 years

RoHS

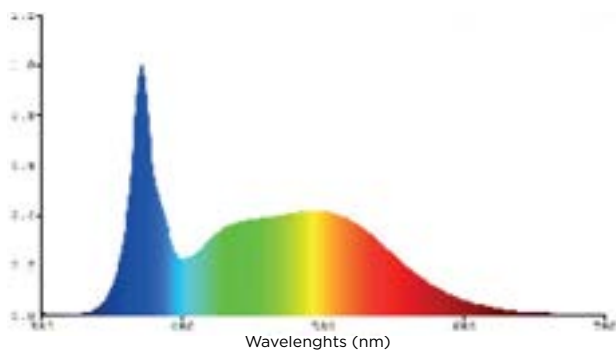


CE





SPECTRUM



ACCESSORIES (SOLD SEPARATELY)



Power cable 120V M15
#HORTI.03.C006

DIMENSIONS



NET WEIGHT: 0.5 KG (1.1 LB)

VEDGZ-MID+ (fruits, vegetables and leafy plants)

LED LIGHTING UNDER CANOPIES

- Sturdy, corrosion-resistant aluminum box
- LED lights directed toward the top of the box for installation under the canopy
- Stimulates flowering thanks to a FIF spectrum with amplified red light
- Easy daisy-chain installation (up to 16 units)
- Adjustable flat base mounts from 9.25" to 15.5" high (sold separately)



#HORTI.03.A012 : Adjustable flat base mounts
(sold separately)



Thanks to its 150W power, the light specifically targets the leaves under the canopy to increase plant density.

Number of serial connections

150 W current with an output voltage of 240 V, max. 16 units

Directive Basse Tension (DBT)
Directive sur la Compatibilité Électromagnétique (CEM)

TECHNICAL DATA	#HORTI.03.170.150D5.7Q
Power Consumption	150W (± 10%)
PPFD @ 1 ft	430 µmol/m ² /s
PPF Output (µmol/s)	500 (380-780 nm)
AC Input Voltage	AC200-277V, 50/60Hz
Current	0.78A@200Vac / 0.75A@208Vac / 0.65A@240Vac / 0.56A@277Vac
Daisy-chain (units)	12Max@208Vac / 13Max@230Vac / 16Max@277Vac
Heat Output (± 10%)	357 BTU/h
Power factor	>0.9
Dimming	0-10V
IP Rating	IP65/Wet
Operating Temperature	-10° C to 45° C (14° F to 113° F)
Storage Temperature	-20° C to 60° C (-4° F to 140° F)
Total Harmonic Distortion (THD)	± 15%
Thermal Management	Passive
Lifetime	3 years @ 12hrs/day

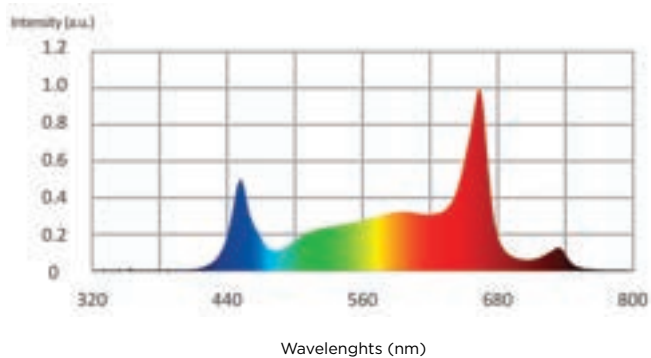


RoHS





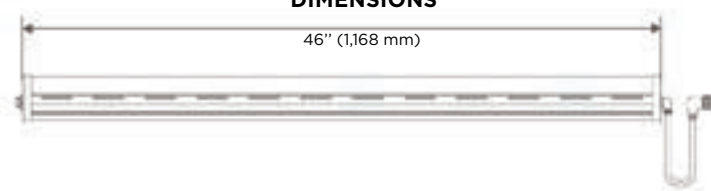
SPECTRUM



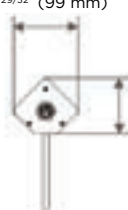
ACCESSORIES (SOLD SEPARATELY)

	Power Cable AC 300V, JNICON M19 5 PINS, 16 AWG #HORTI.03.CO27
	Double-ended extension cord JNICON M19 5 PINS #HORTI.03.CO28
	Base mounts for MID+, 2 units required per light #HORTI.03.A012
	Small controller for LED lights #HORTI.03.E003
	Coupler RJ11/12 from 1 to 2 #HORTI.03.E004

DIMENSIONS



3 ²⁹/₃₂" (99 mm)



3 ⁵/₁₆" (84 mm)

NET WEIGHT : 1.95 KG (4.3 LB)



VEDGZ-BLOOM (fruits, vegetables and leaf plants)

- Housing material in aluminium
- Optics materials: conformal coating (transmission >97%)
- Radiation angle of 120°
- Slim design with integrated driver, compact and easy to install

>>> Provides periods of reduced intensity, which allows regeneration of the photosynthetic apparatus and ensures better preparation for the efficient use of light of a higher intensity. In this way, « energy management » within the plant becomes more efficient.

Up to 50% higher energy efficiency compared to constant LED light.



PPFD VALUE (Photosynthetic Photon Flux Density)

150 W, 45 cm/18"	150 W, 60 cm/24"
Average: 131 µmol/m²/s	Average: 123 µmol/m²/s
Maximum: 307 µmol/m²/s	Maximum: 230 µmol/m²/s
Minimum: 30 µmol/m²/s	Minimum: 44 µmol/m²/s

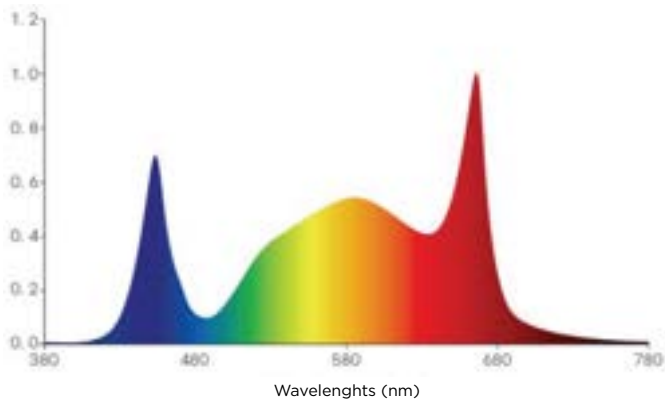
Low Voltage Directive (LVD) Electromagnetic Compatibility Directive (EMC)	
TECHNICAL DATA	HORTI.03.070.150D1.03.D
Power Consumption	150 W (± 5%)
System Efficacy (µmol/J)	2.5 @ 230 Vac
PPF Output (µmol/s)	375
Power Input	100-277 Vac, 50-60 Hz
Current Range	1.5 A @ 100 V or 0.54 A @ 277 V
Isolation Class	Class 1
Heat BTU Generated	511,5 BTU
Power Factor	>0.9
Dimming	0-10 V
IP Rating (International Protection)	IP65
Operation Conditions	0° C to 40° C (-32° F to 104° F)
Storage Conditions	-40° C to 70° C (-40° F to 158° F)
Warranty	5 years

- Included:**
- Dimming wire
 - Daisy-chain RJ14 connector
 - 2 ratchet ropes
 - 2 nylon V cords





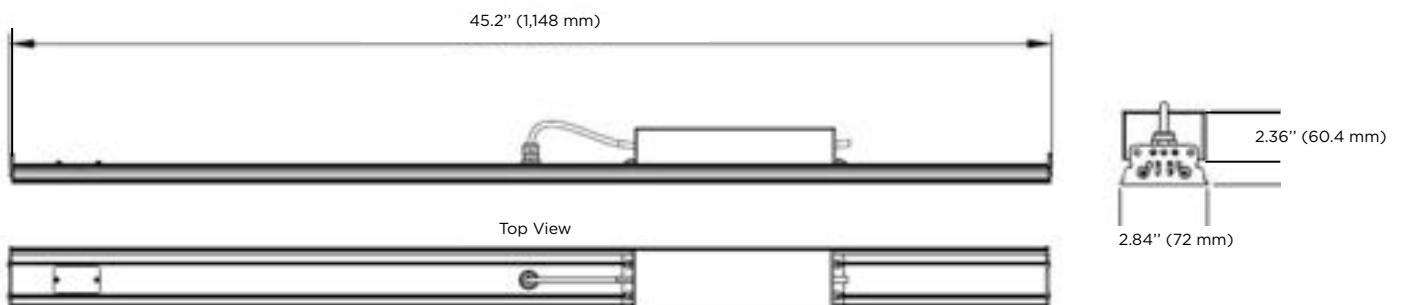
SPECTRUM



ACCESSORIES (SOLD SEPARATELY)

	Waterproof connectors cable (2) #HORTI.03.C018
	Waterproof connectors cable (3) #HORTI.03.C019
	Waterproof connectors cable (4) #HORTI.03.C020
	Ceiling mounting brackets (2 pieces)

DIMENSIONS

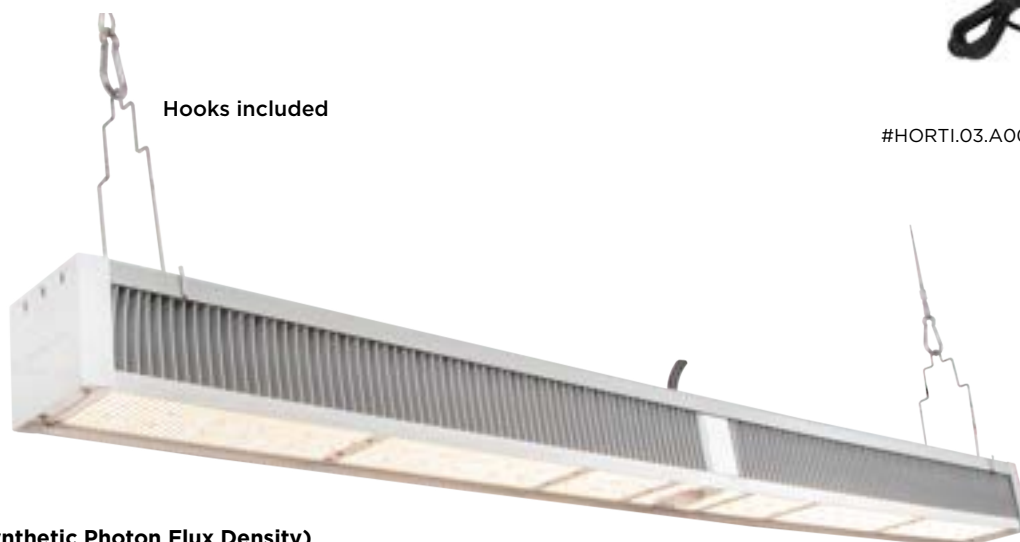


NET WEIGHT: 2.1 KG (5.07 LB)

GROWZ-ACE (greenhouse and hydroponic culture)

- Housing material in aluminium
- Optics materials: conformal coating (transmission >97%)
- Radiation angle of 120°
- Passive cooling, no fans or moving parts
- Linear design, perfect for indoor planting
- More suitable for planting places with higher mounting position
- One fixture for 1,44 m² / 15,5 sq. ft.
- Height fixture above canopy: 30 & 40 cm (12" & 18")

High efficacy of 2.5 $\mu\text{mol s}^{-1}$ per watt.
Industry's best 5-years warranty.



PPFD VALUE (Photosynthetic Photon Flux Density)

680 W, 30 cm/12"

680 W, 45 cm/18"

Average: 793 $\mu\text{mol/m}^2/\text{s}$
Maximum: 1,516 $\mu\text{mol/m}^2/\text{s}$
Minimum: 70 $\mu\text{mol/m}^2/\text{s}$

Average: 764.5 $\mu\text{mol/m}^2/\text{s}$
Maximum: 1382 $\mu\text{mol/m}^2/\text{s}$
Minimum: 147 $\mu\text{mol/m}^2/\text{s}$

Low Voltage Directive (LVD)
Electromagnetic Compatibility Directive (EMC)

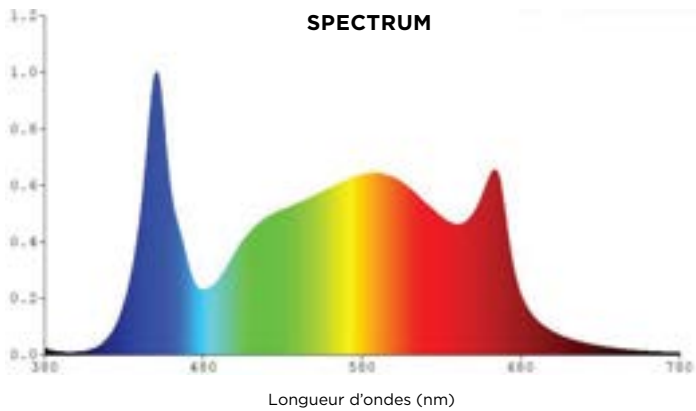
TECHNICAL DATA	HORTI.03.080.680D1.00.J
Power Consumption	680 W ($\pm$ 5%)
System Efficacy ($\mu\text{mol/J}$)	2.5 @ 220 Vac
PPF Output ($\mu\text{mol/s}$)	1700
Power Input	100-240 Vac, 100-277 Vac, 50-60 Hz
Current Range	6.8 A @ 100 V or 2.45 A @ 277 V
Isolation Class	Class 1
Heat BTU Generated	2,319 BTU
Power Factor	>0.9
Dimming	0-10 V
IP Rating (International Protection)	IP65
Operation Conditions	0 °C to 40 °C (-32 °F to 104 °F)
Storage Conditions	-40 °C to 70 °C (-40 °F to 158 °F)
Warranty	5 years

RoHS



CE

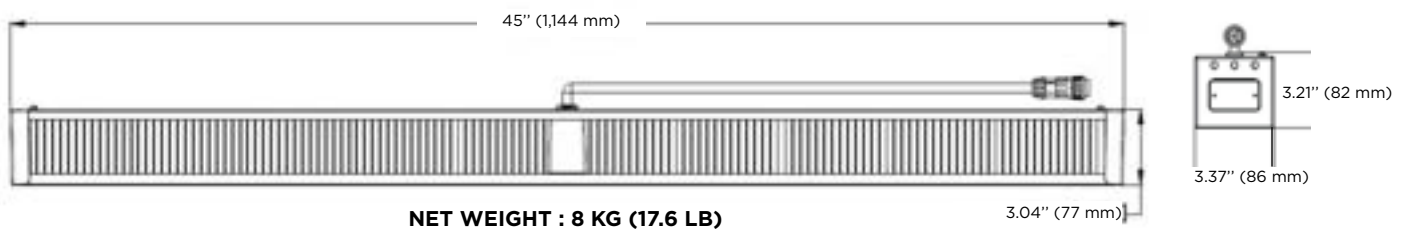




ACCESSORIES (SOLD SEPARATELY)

	Power cable 120V M19 LLT #HORTI.03.C002 #HORTI.03.C002-J : M19 JNICON
	Power cable 240V M19 LLT #HORTI.03.C003
	Connection cable 347V M19 #HORTI.03.C005
	Power cable 347V M19 #HORTI.03.C004
	T-shaped daisy-chain connection cable M19 (2 females and 1 male) #HORTI.03.C015
	Long T-shaped daisy-chain connection cable M19 (2 females and 1 male) #HORTI.03.C023
	Daisy-chain connection cable M19 JNICON #HORTI.03.C026
	Extension cord 120-277V M19 #HORTI.03.C011
	Extension cord 340-480V M19 #HORTI.03.C012
	Driver 120-277V #HORTI.03.D001
	Driver 240-480V #HORTI.03.D003 : LLT
	Driver 200-480V #HORTI.03.D008 : Daisy-chain LLT à JNICON

DIMENSIONS



GROWZ-ACE 2.0 (culture serricole et hydroponique)

IDEAL LIGHTING FOR ORNAMENTAL GREENHOUSES AND SMALL VEGETABLE PRODUCTION.

- Robust aluminum housing
- Passive cooling, no fans or moving parts
- Linear design, perfect for greenhouses



#HORTI.03.A001 : Ratchet rope included



Low Voltage Directive (LVD)
Electromagnetic Compatibility Directive (EMC)

TECHNICAL DATA	#HORTI.03.082.700D1.00.A
Power Consumption	700 W (± 10%)
Efficacy (μmol/J)	2.8 (μmol/J)
PPF Output (μmol/s)(380-780nm)	1960
AC Input Voltage	AC100-277V, 50/60Hz AC277-480V, 50/60Hz
Max power input	6.49A / 2.81A
Daisy-chain (units)	4 units Max @ 347 Vac
PPFD @ 2.5 ft (μmol)	836
Dimming	0-10V
IP rating	IP65/Wet
Spectrum	FSG

RoHS

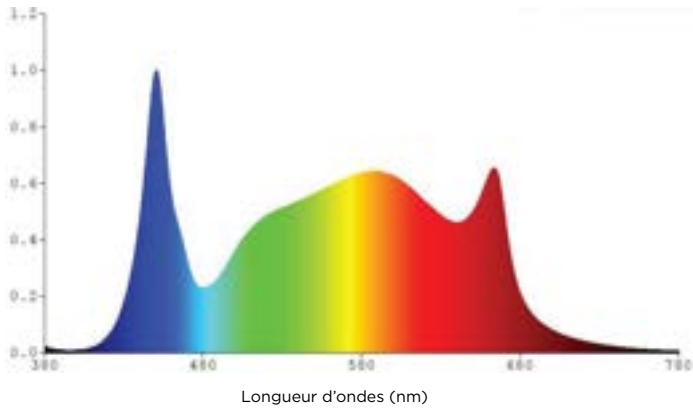


CE



UL
8800

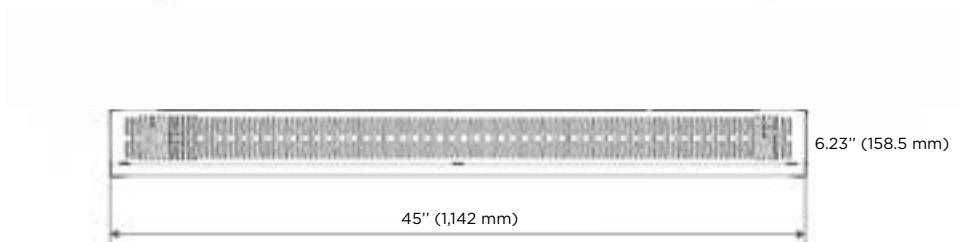
SPECTRUM



ACCESSORIES (SOLD SEPARATELY)

	Power cable 120V M19 LLT #HORTI.03.C002 #HORTI.03.C002-J : M19 JNICON
	Power cable 240V M19 LLT #HORTI.03.C003
	Power cable 347V M19 #HORTI.03.C005
	Power cable 347V M19 #HORTI.03.C004
	T-shaped daisy-chain connection cable M19 (2 females and 1 male) #HORTI.03.C015
	Long T-shaped daisy-chain connection cable M19 (2 females and 1 male) #HORTI.03.C023
	Daisy-chain connection cable M19 JNICON #HORTI.03.C026
	Extension cord 120-277V M19 #HORTI.03.C011
	Extension cord 340-480V M19 #HORTI.03.C012
	Driver 120-277V #HORTI.03.D001
	Driver 240-480V #HORTI.03.D003 : LLT
	Driver 200-480V #HORTI.03.D008 : Daisy-chain LLT à JNICON

DIMENSIONS



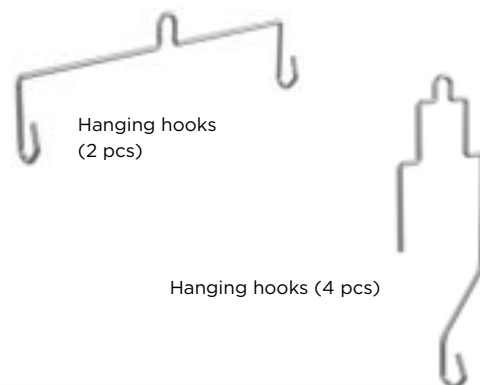
NET WEIGHT : 7.8 KG (17.2 LB)



GROWZ-BOOST (greenhouse and hydroponic culture)

- Housing material in aluminium
- Optics materials: optical lens (transmission >90%)
- Radiation angle of 110° *140°
- External driver is to reduce the overheat failure during the longtime sunbake in greenhouse, avoid the leds damage and shorten lifespan.
- The lamp respirator can keep the pressure constant, which avoids led panel warping.
- Mounting brackets are suitable for various applications, and the two kinds of mounting brackets are designed for easier installation and less labor costs.
- Height fixture above canopy: 45 cm (18")

IP65 optical lens for higher light utilization and resistance to water jetting.



PPFD VALUE (Photosynthetic Photon Flux Density)

400 W, 45 cm/18"

800 W, 45 cm/18"

Average: 476 $\mu\text{mol}/\text{m}^2/\text{s}$

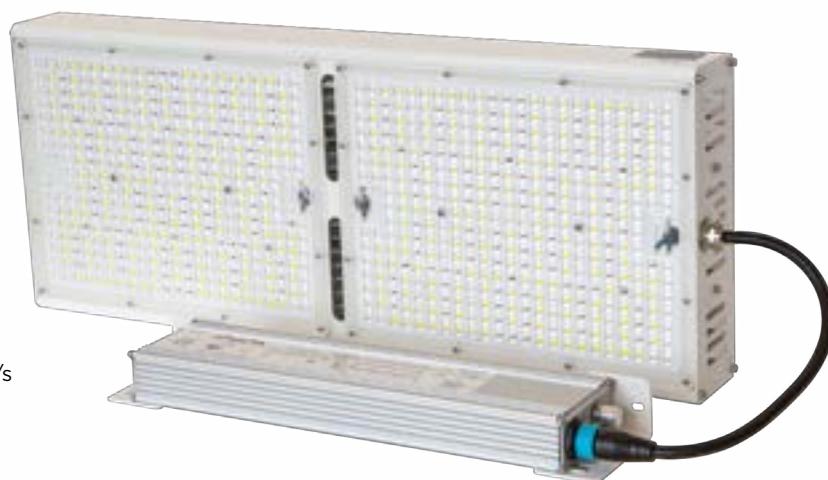
Average: 889 $\mu\text{mol}/\text{m}^2/\text{s}$

Maximum: 1,063 $\mu\text{mol}/\text{m}^2/\text{s}$

Maximum: 1,450 $\mu\text{mol}/\text{m}^2/\text{s}$

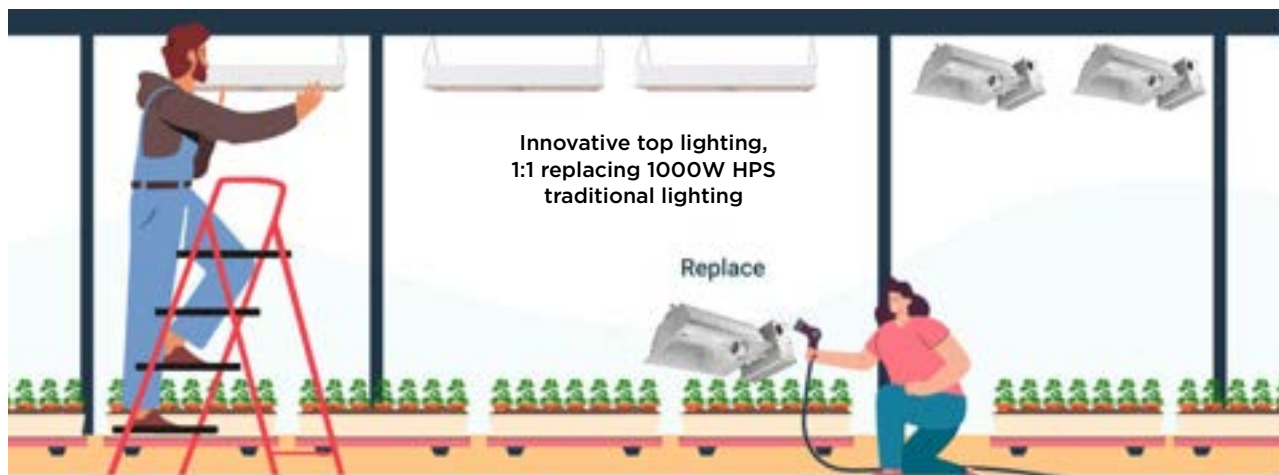
Minimum: 130 $\mu\text{mol}/\text{m}^2/\text{s}$

Minimum: 328 $\mu\text{mol}/\text{m}^2/\text{s}$

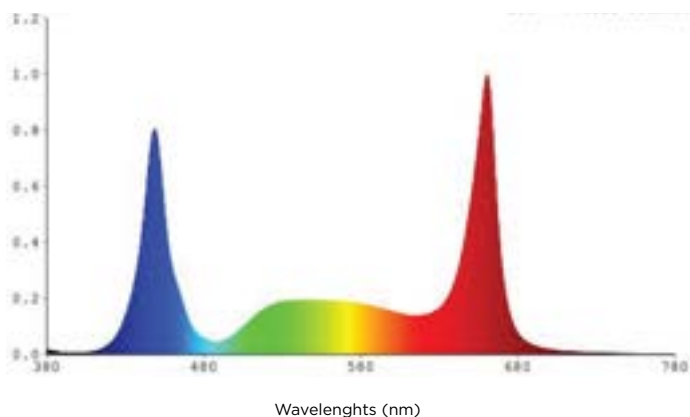


Low Voltage Directive (LVD)
Electromagnetic Compatibility Directive (EMC)

TECHNICAL DATA	HORTI.03.090.400D1.04.H	HORTI.03.090.800D1.05.H
Power Consumption	400 W (+/- 5%)	800 W (+/- 5%)
System Efficacy ($\mu\text{mol}/\text{J}$)	2.6 @ 220 Vac	2.7 @ 220 Vac
PPF Output ($\mu\text{mol}/\text{s}$)	1,040	2,160
Power Input	120-277 Vac, 120-240 Vac, 50-60 Hz	
Current Range	3.33 A @ 120 V or 1.44 A @ 277 V	6.67 A @ 120 V or 2.89 A @ 277 V
Isolation Class	Class 1	
Heat BTU Generated	1,364 BTU	2,728 BTU
Dimming	0-10 V	
IP Rating (International Protection)	IP65	
Operation Conditions	0 °C to 40 °C (-32 °F to 104 °F) 95% RH	
Storage Conditions	-40 °C to 70 °C (-40 °F to 158 °F) 85% RH	
Warranty	5 years	



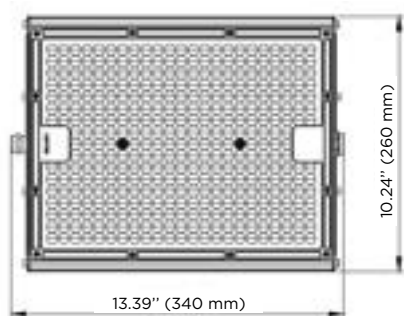
SPECTRUM



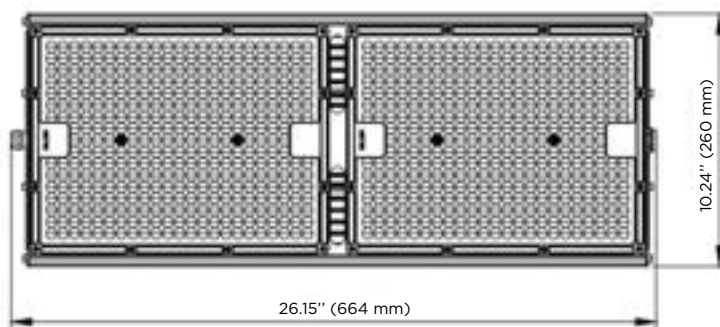
ACCESSORIES (SOLD SEPARATELY)

	Power cable 120V M19 LLT #HORTI.03.C002
	Power cable 240V M19 LLT #HORTI.03.C003
	Connection cable 347V M19 #HORTI.03.C005
	Power cable 347V M19 #HORTI.03.C004
	Extension cord 120-277V M19 #HORTI.03.C011
	Extension cord 340-480V M19 #HORTI.03.C012
	Driver 120-277V #HORTI.03.D006 340-480V (Available on order)

DIMENSIONS



NET WEIGHT: 4.90 KG (10.8 LB)



NET WEIGHT: 8.90 KG (19.6 LB)

GROWZ-CANOPY 4 (greenhouse and hydroponic culture)

VERTICAL FARMING AND INDOOR FACILITY

- Fanless and Plug & Play design
- Slim design and easy to install
- Uniform PPFD distribution
- Lights can be connected in series
- Suitable for genetics and propagation of marijuana, but also for lettuce & leaf planting

Replace 4 ft, 8 pcs, 54 W fluo tube lights

35% less power consumption
50% less BTU consumption



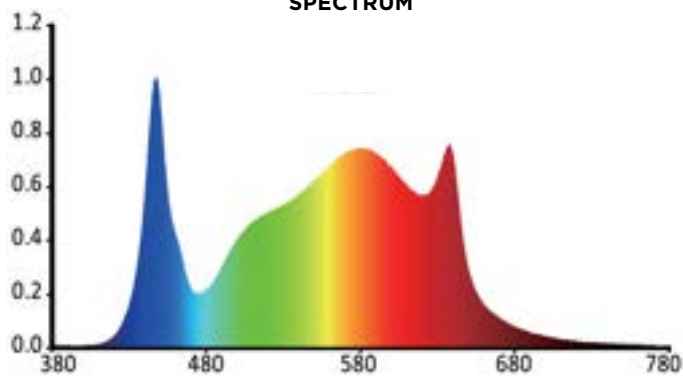
Low Voltage Directive (LVD)
UL 8800 Certification

TECHNICAL DATA	HORTI.03.014.320D1.01.A
Power Consumption	320 W
System Efficacy (μmol/J)	2.7
PPF Output (μmol/s)	864
Input Voltage	AC 120-277
Power Input	Max 3.6 A @ 100 Vac, Max 1.5 A @ 230 Vac, Max 1.3 A @ 277 Vac
Heat BTU Generated	1,088 BTU
Power Factor	>0.9
Dimming	0-10 V
IP Rating (International Protection)	IP65
Operation Conditions	-20 °C to 45 °C (-4 °F to 113 °F)
Storage Conditions	-40 °C to 80 °C (-40 °F to 176 °F)
L70 Rating	>78,000 hrs
L90 Rating	>54,000 hrs





SPECTRUM



Wavelengths (nm)

ACCESSORIES (SOLD SEPARATELY)

	T-shaped daisy-chain connection cable M19 (2 females and 1 male) #HORTI.03.C015
	Long T-shaped daisy-chain connection cable M19 (2 females and 1 male) #HORTI.03.C023
	Extension cord 120-277V M19 #HORTI.03.C011

DIMENSIONS



GROWZ-CANOPY 8 (greenhouse and hydroponic culture)

VERTICAL FARMING AND INDOOR FACILITY

- Fanless and Plug & Play design
- Slim design and 180° foldable
- Uniform PPFD distribution
- Lights can be connected in series
- Suitable for genetics and propagation of marijuana, but also for lettuce & leaf planting



#HORTI.03.A001 : Corde à cliquet



Replace one 1000 W HPS/CMH lights
70% higher in PPFD
33% less power consumption
33% less BTU consumption

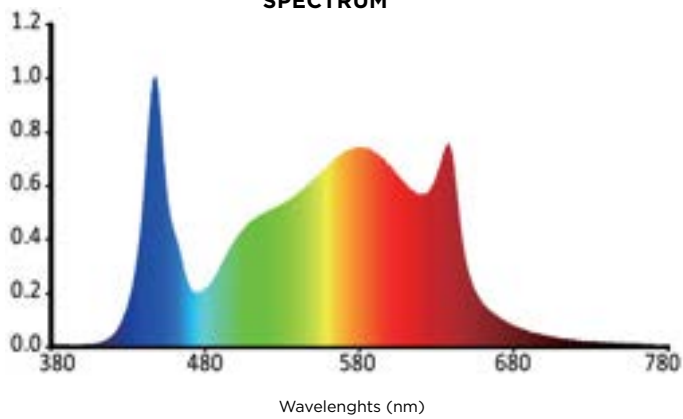
Low Voltage Directive (LVD)
UL 8800 Certification

TECHNICAL DATA	HORTI.03.018.660D1.01.A (driver integrated)		HORTI.03.018.660D1.02.A (separated driver)	
Power Consumption	660 W			
System Efficacy (μmol/J)	2.7			
PPF Output (μmol/s)	1,782			
Input Voltage	AC 120-277 V		AC 120-277 V	AC 220-480 V
Input Current	Max 7.4 A @ 100 Vac Max 3.2 A @ 230 Vac Max 2.7 A @ 220 Vac		Max 7.4 A @ 100 Vac Max 3.2 A @ 230 Vac Max 2.7 A @ 220 Vac	Max 2.65 A @ 220 Vac Max 2.15 A @ 347 Vac Max 1.85 A @ 400 Vac Max 1.55 A @ 480 Vac
Input Frequency	50-60 Hz			
Heat BTU Generated	2,244 BTU			
Power Factor	>0.9			
Dimming	0-10 V			
IP Rating (International Protection)	IP65			
Operation Conditions	-20 °C to 45 °C (-4 °F to 113 °F)			
Storage Conditions	-40 °C to 80 °C (-40 °F to 176 °F)			
L70 Rating	>78,000 hrs			
L90	>54,000 hrs			

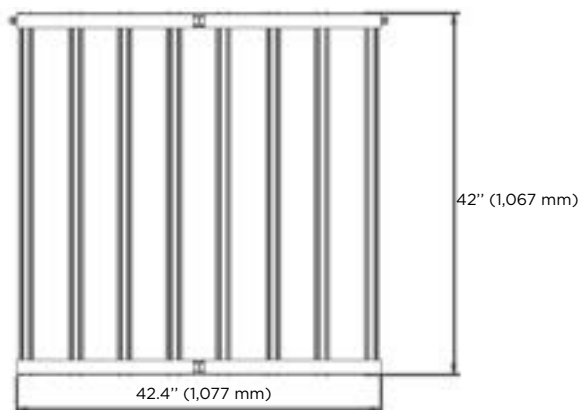




SPECTRUM



DIMENSIONS



NET WEIGHT: 10,3 KG (22,7 LB)

ACCESSORIES (SOLD SEPARATELY)

	Power cable 120V M19 LLT #HORTI.03.C002 #HORTI.03.C002J (JNICON)
	Power cable 240V M19 LLT #HORTI.03.C003
	Connection cable 347V M19 JNICON à LLT #HORTI.03.C005
	Power cable 347V M19 #HORTI.03.C004
	T-shaped daisy-chain connection cable M19 (2 females and 1 male) #HORTI.03.C015
	Long T-shaped daisy-chain connection cable M19 (2 females and 1 male) #HORTI.03.C023
	Extension cord 120-277V M19 #HORTI.03.C011
	Driver 120-277V (Available on order)
	Driver 340-480V #HORTI.03.D002 #HORTI.03.D007 : Daisy-chain with dimmer

SMART CONTROLLER

CONTROL ALL YOUR LIGHTING SETTINGS FOR OPTIMAL PERFORMANCE!

This smart controller allows you to program multiple actions to maximize lighting for your plants.

Once you have entered the basic settings (date, time, real-time room temperature and humidity), you can configure your lighting data such as power (wattage) and PPF (mmol/s).

The following actions can be programmed :

- Turning lights on or off
- Lighting intensity
- Reproduction of sunrise and sunset, if desired

The controller works with the following models :

Mid+ - Bloom - Ace - Ace 2.0 - Boost - Canopy 4 - Canopy 8

Example of a reproduction of a sunrise

If the start time is set to 8:00 a.m. and the sunrise time is 60 minutes, the brightness will increase evenly to the set value during the 60 minutes, reaching the desired brightness at 9:00 a.m. If the lights are already on when execution begins, regardless of the current brightness, it will first decrease to 0 before beginning to rise.

The set includes: the screen, the power cable, plugs, and screws.



#HORTI.03.E001

DIMMER

Adjust the intensity of your lights with this high-quality dimmer switch. Works with all light models.



#HORTI.03.E002





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