



Photon Dancing

Light for joyful life

PRODUCT & SERVICE MANUAL





Photon Dancing
LIGHT FOR JOYFUL LIFE



PHOTONDANCING was established in 2023 in Amsterdam, The Netherlands. We focus on the field of LED grow light and provide professional customers and consumers with quality products and services. With two manufacturing bases in Cambodia and China and over 400 employees, PHOTONDANCING offers one-stop manufacturing solutions.

Our production base in Cambodia features 2 SMT lines, 8 assembly lines, and 4 powder coating lines. In addition, we have invested in and built die-casting, hardware processing, and injection molding workshops to ensure vertical integration of our industrial chain from materials to products, guaranteeing production schedule and product quality.

Similarly, our production base in China boasts 3 SMT lines, 9 assembly lines, and 2 powder coating lines, as well as SMT, spraying, assembly, and other main production workshops. Our stable production capacity ensures timely shipment and delivery of products requested by our customers.

At PHOTONDANCING, we believe that light is the source of all life and all things, and we are dedicated to enhancing life through light. We strive to promote sustainable development in agriculture, energy, and electricity by applying new equipment and technology in optics, creating a harmonious coexistence between humans and living creatures.





We offer over 20 unique SKUs across North America, Asia, Europe, and other regions.

| 20+ COUNTRIES
AND REGIONS

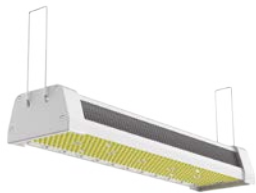


| Photon
Dancing



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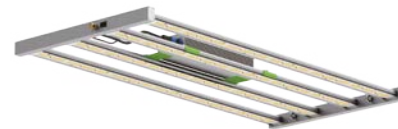
09-10 pages

AX1150



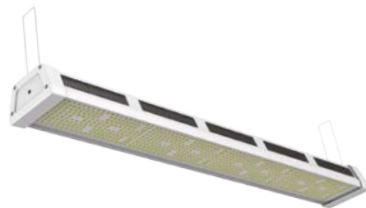
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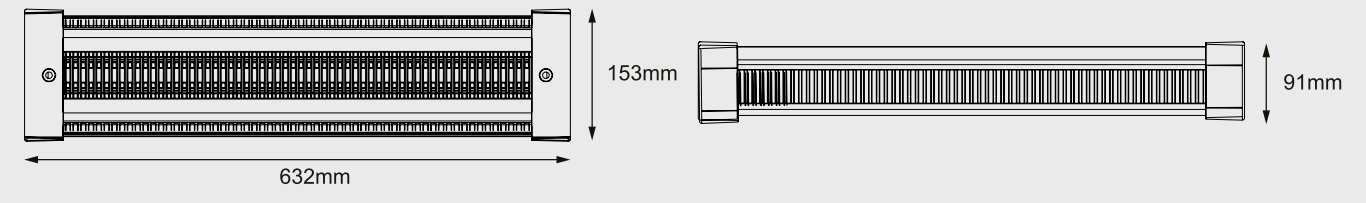
HX300

Photon Dancing



Item

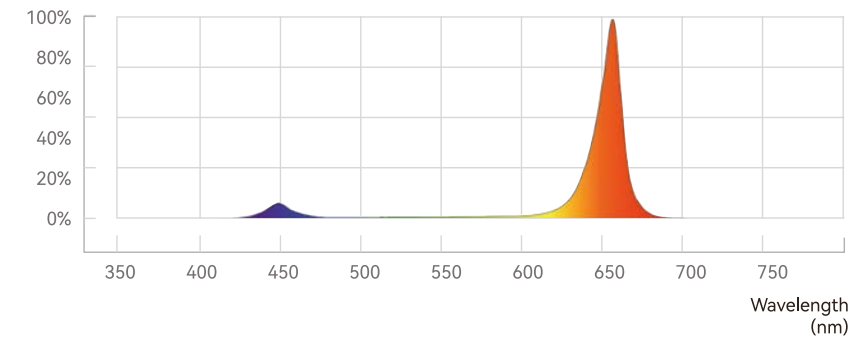
	R90G5B5
Input Power	300 W
PF _{PBAR} (400-800)	1050 μmol/s
PE _{PBAR} (400-800)	3.5 μmol/J
Input Voltage	120 - 277V or 277- 480VAC
PF	≥ 0.95
Beam Angle	140°
Control System	RS485/0-10V RF Wireless Control
IP Rating	IP 66
Operation Temp	-10~40°C (14~104°F)
Driver Location	Remote Driver
Weight	5.1kg(11.21lb)



Features

- Special fixture design for greenhouse application
- Energy saving with leds fixture for HPS replacing
- Most compact fixture with highest output
- Multiple spectrums and channels for widely application
- Wireless system control for grouping and channels control
- Quick plug connection with excellent water proof and easy installation

Greenhouse R90G5B5



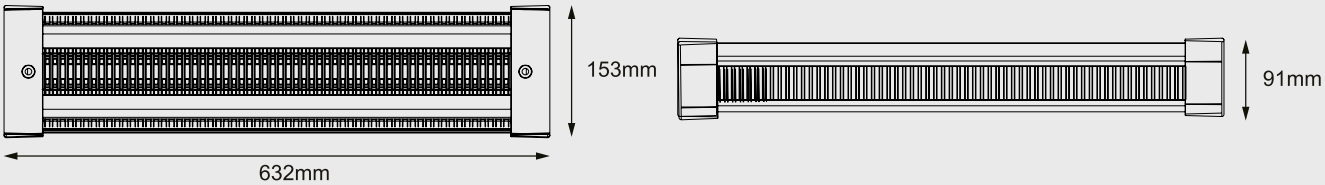
HX500

Photon Dancing



Item

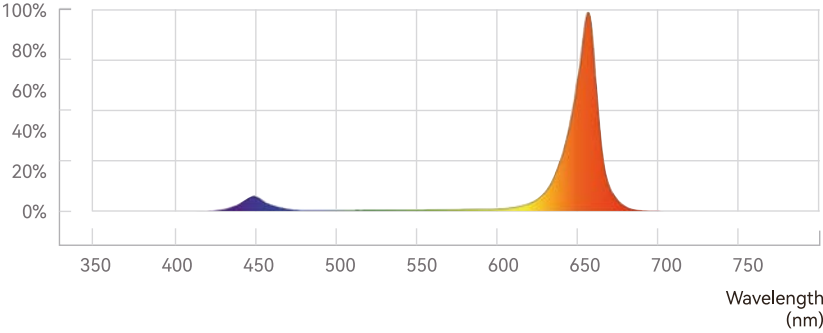
	R90G5B5
Input Power	500 W
PF _{PBAR} (400-800)	1750 μmol/s
PE _{PBAR} (400-800)	3.5 μmol/J
Input Voltage	120 - 277V or 277- 480VAC
PF	≥ 0.95
Beam Angle	140°
Control System	RS485/0-10V RF Wireless Control
IP Rating	IP 66
Operation Temp	-10~40°C (14~104°F)
Driver Location	Remote Driver
Weight	5.1kg(11.21lb)



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Greenhouse R90G5B5



Cucumber



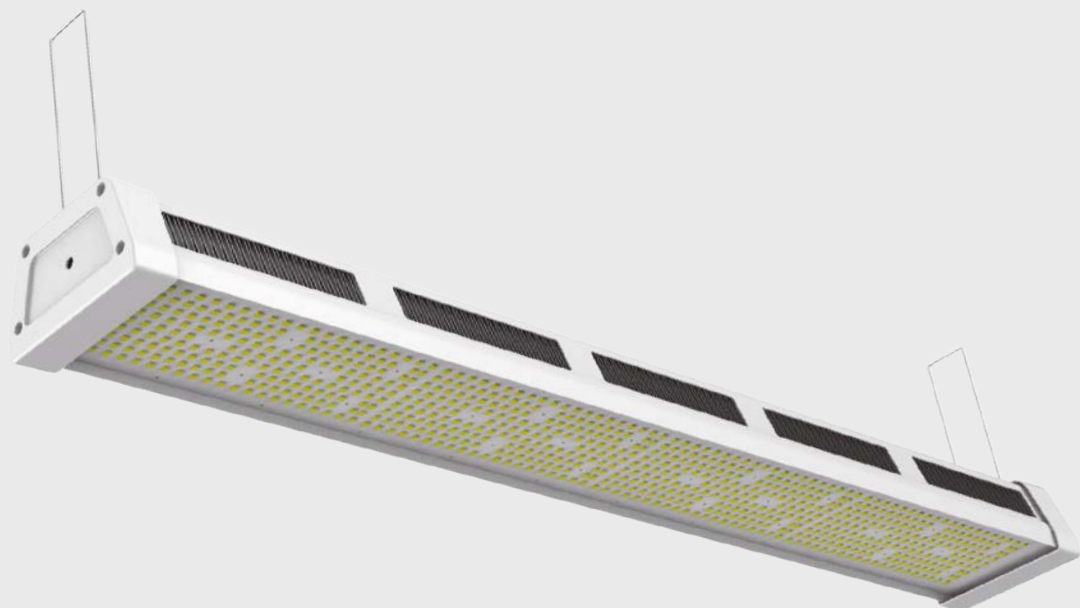
Daisy



Tomato

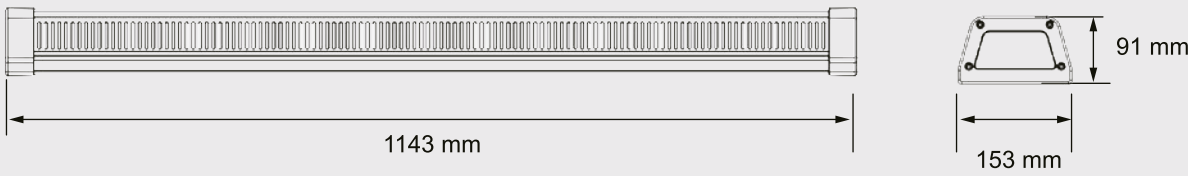
HX800

Photon Dancing



Item

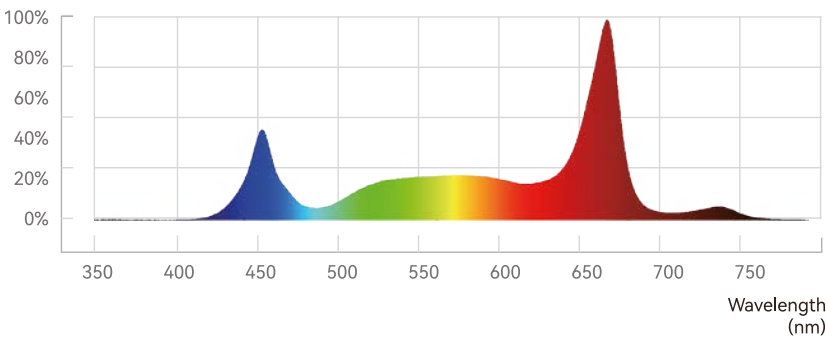
	R90G5B5
Input Power	800 W
PF _{PBAR} (400-800)	2400 μmol/s
PE _{PBAR} (400-800)	3.0 μmol/J
Input Voltage	120 - 277V or 277 - 480VAC
PF	≥ 0.95
Beam Angle	140°
Control System	RS485/0-10V RF Wireless Control
IP Rating	IP 66
Operation Temp	-10~40°C (14~104°F)
Driver Location	Remote Driver
Weight	6.67kg(14.52lb)



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Greenhouse Full Spectrum



Cucumber



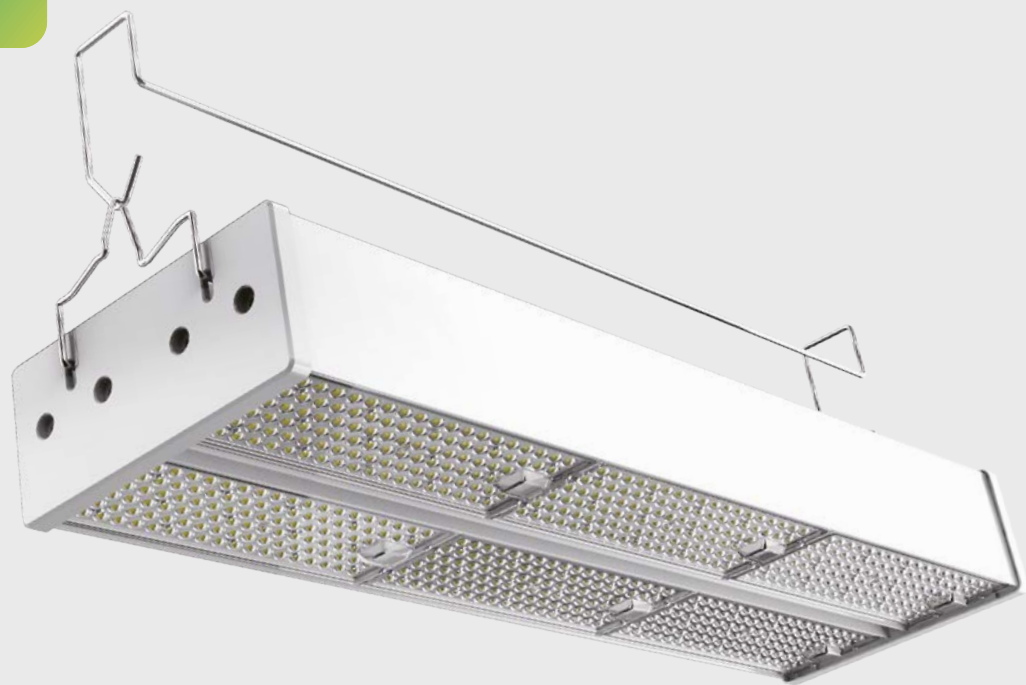
Daisy



Tomato

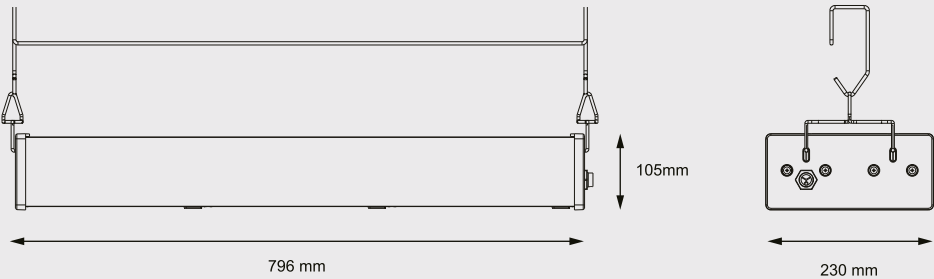
AX650

Photon Dancing



Item

	R95B5	R90G5B5	R90G5B5/FR10
Input Power	650 W	650 W	650 W
PF _{PBAR} (400-800)	2600 μmol/s	2503 μmol/s	2470 μmol/s
PE _{PBAR} (400-800)	4.0 μmol/J	3.85 μmol/J	3.8 μmol/J
Input Voltage	120 - 277V or 277 - 480VAC		
PF	> 0.98		
Beam Angle	120° or 140°		
Control System	RS485/0-10V RF Wireless Control		
IP Rating	IP 66		
Operation Temp	-10~40°C (14~104°F)		
Driver Location	Remote Driver		
Weight	8.2 kg (18 lb)		



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Leafy greens



Rose

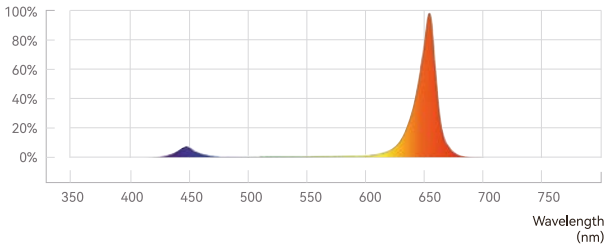


Strawberry

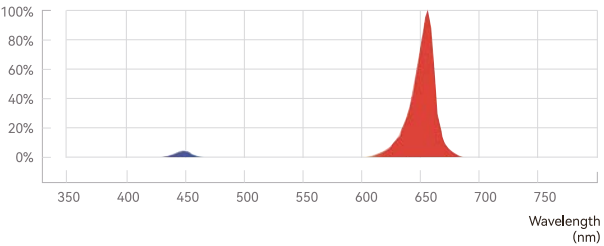


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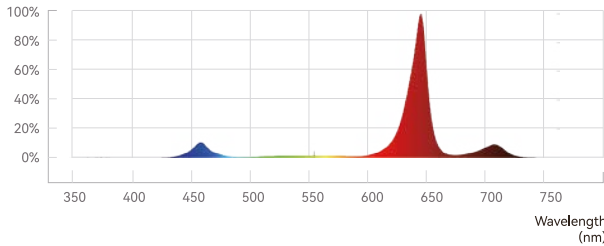
Greenhouse & Indoor Farm R90G5B5



Greenhouse R95B5



Greenhouse R90G5B5/FR10



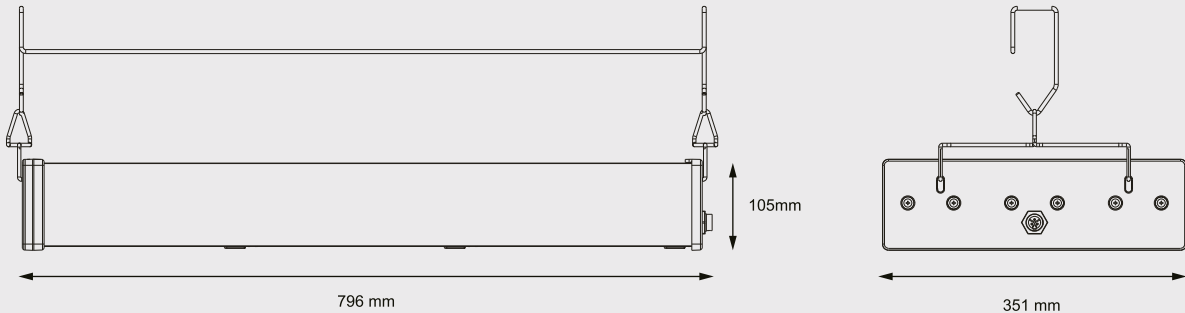
AX750

Photon Dancing



Item

	R95B5	R95G5B5	R95G5B5/FR10
Input Power	750 W	750 W	750 W
PF _{PBAR} (400-800)	3000 μmol/s	2887 μmol/s	2850 μmol/s
PE _{PBAR} (400-800)	4.0 μmol/J	3.85 μmol/J	3.8 μmol/J
Input Voltage	120 - 277V or 277 - 480VAC		
PF	> 0.98		
Beam Angle	120° or 140°		
Control System	RS485/0-10V RF Wireless Control		
IP Rating	IP 66		
Operation Temp	-10~40°C (14~104°F)		
Driver Location	Remote Driver		
Weight	12.4 kg (27.28 lb)		



Features

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Leafy greens



Rose

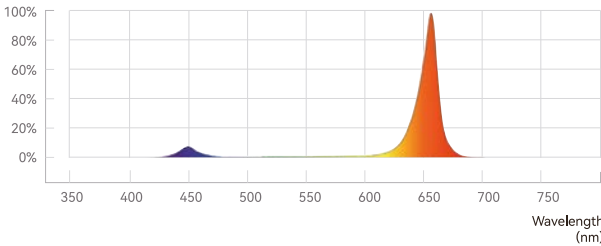


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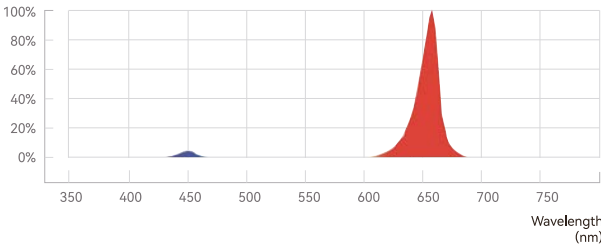


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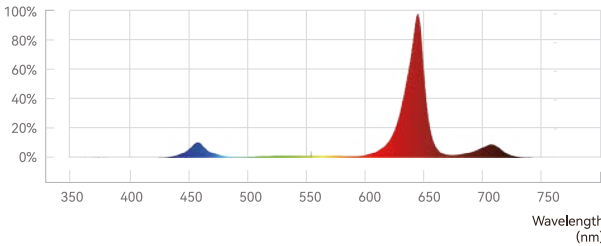
Greenhouse & Indoor Farm R90G5B5



Greenhouse R95B5



Greenhouse R90G5B5/FR10



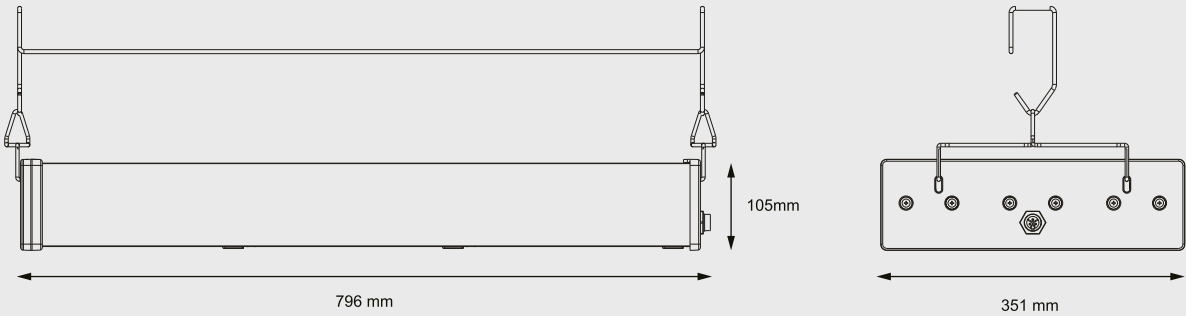
AX1050

Photon Dancing



Item

	R90G5B5/IR	R90G5B5_FR10	R80G5_B15	R90B5_G5_FR10	R95B5	R90G5B5	R80_G5_B15	R90G5B5_FR10_IR
Input Power	1050 W	1050 W	1050 W	1050 W	1050 W	1050 W	1050 W	1050 W
PF _{PBAR} (400-800)	3833μmol/s	3990 μmol/s	3990 μmol/s	3938 μmol/s	4200 μmol/s	4043 μmol/s	3938 μmol/s	3780 μmol/s
PE _{PBAR} (400-800)	3.65 μmol/J	3.8 μmol/J	3.8 μmol/J	3.75 μmol/J	4.0 μmol/J	3.85 μmol/J	3.75 μmol/J	3.6 μmol/J
Input Voltage	120 - 277V or 277 - 480VAC							
PF	> 0.98							
Beam Angle	120° or 140°							
Control System	RS485/0-10V RF Wireless Control							
IP Rating	IP 66							
Operation Temp	-10~40°C (14~104°F)							
Driver Location	Remote Driver							
Weight	12.4 kg (27.28 lb)							



Features

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Leafy greens



Rose

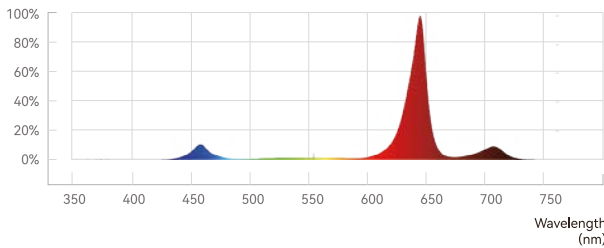


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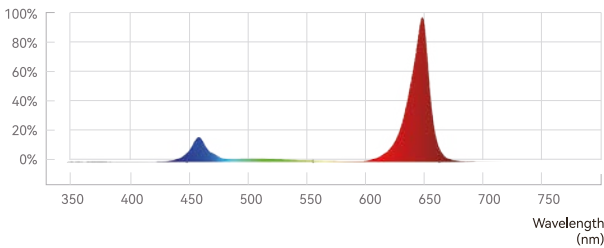


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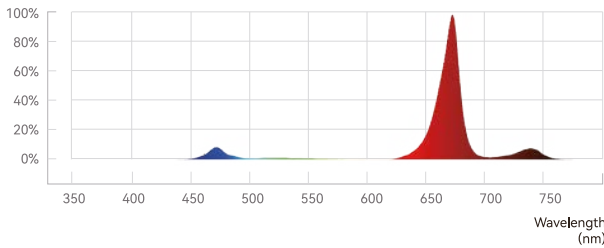
R90G5B5_FR10



R80G5_B15



R90B5_G5_FR10



AX1150

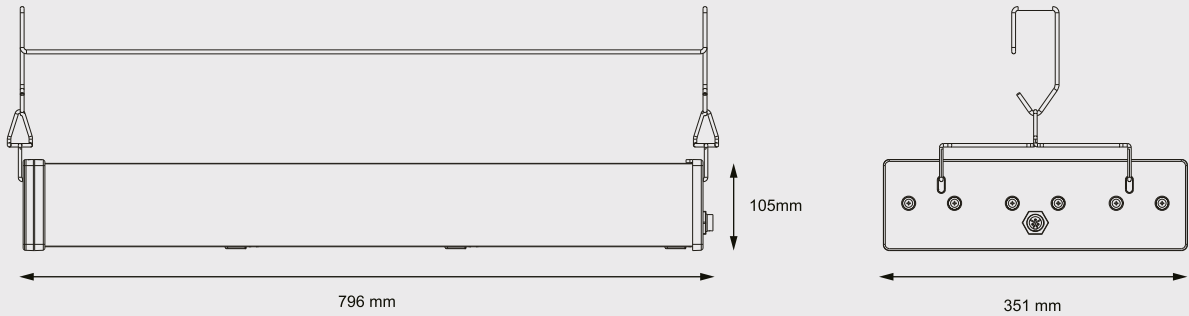
Photon Dancing



Item

Input Power
PFPBAR (400-800)
PEPBAR (400-800)
Input Voltage
PF
Beam Angle
Control System
IP Rating
Operation Temp
Driver Location
Weight

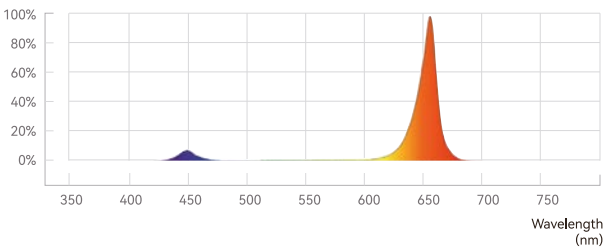
	R95B5	R90G5B5
Input Power	1150 W	1150 W
PFPBAR (400-800)	4600 $\mu\text{mol/s}$	4227 $\mu\text{mol/s}$
PEPBAR (400-800)	4.0 $\mu\text{mol/J}$	3.85 $\mu\text{mol/J}$
Input Voltage	120 - 277V or 277- 480VAC	
PF	> 0.98	
Beam Angle	120°	
Control System	RS485/0-10V RF Wireless Control	
IP Rating	IP 66	
Operation Temp	-10~40°C (14~104°F)	
Driver Location	Remote Driver	
Weight	12.4 kg (27.28 lb)	



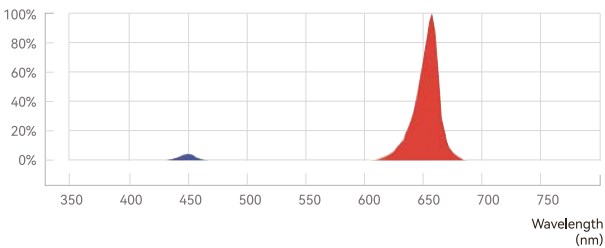
Features

- Special fixture design for greenhouse application
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Greenhouse & Indoor Farm R90G5B5



Greenhouse R95B5



Leafy greens



Rose



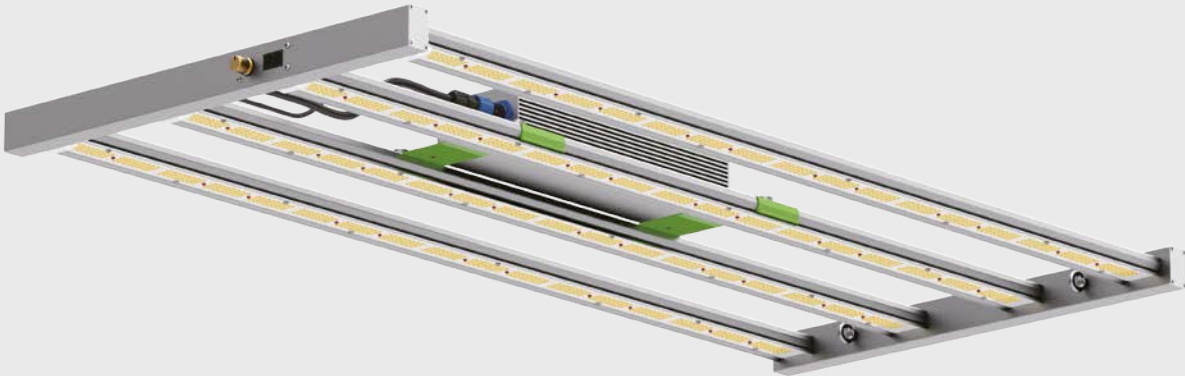
Strawberry



Tomato

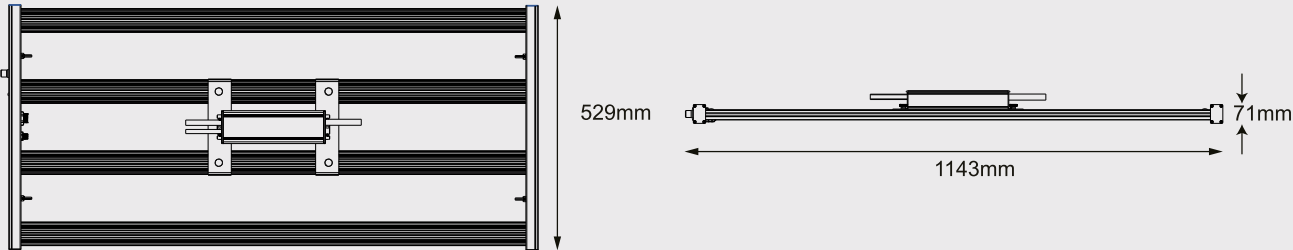
NX240

Photon Dancing



Item

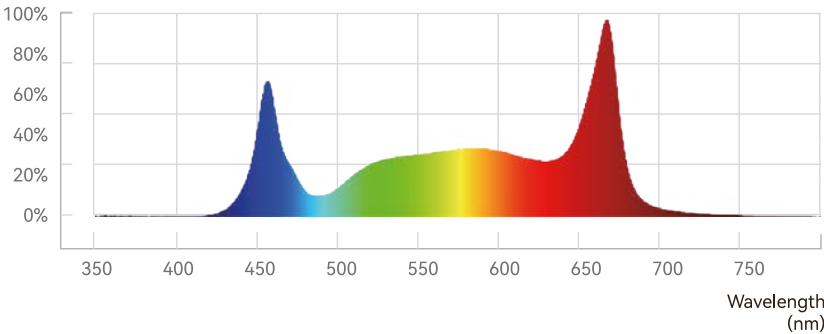
	NX240
Input Power	240 W
PF _{PBAR} (400-800)	648 μmol/s
PE _{PBAR} (400-800)	2.7 μmol/J
Input Voltage	120 - 277V or 277- 480VAC
PF	≥ 0.95
Beam Angle	lens 120°
Control System	RS485/0-10V RF Wireless Control
IP Rating	IP 66
Operation Temp	-10~40°C (14~104°F)
Driver Location	Remote Driver
Weight	7.3kg(16.06lb)



Features

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Greenhouse Full Spectrum



Propagation



Cucumber



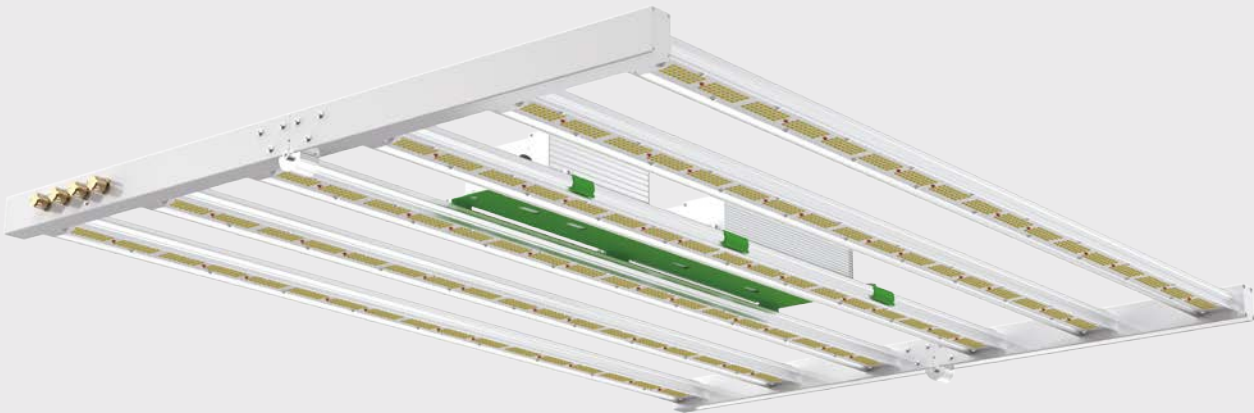
Daisy



Tomato

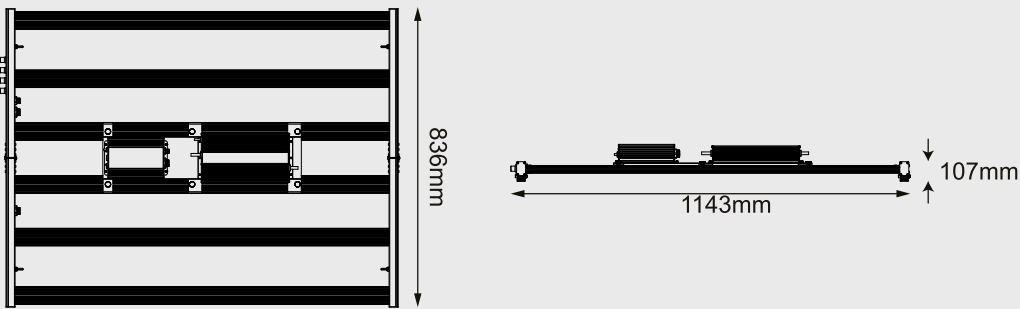
NX600

Photon Dancing



Item

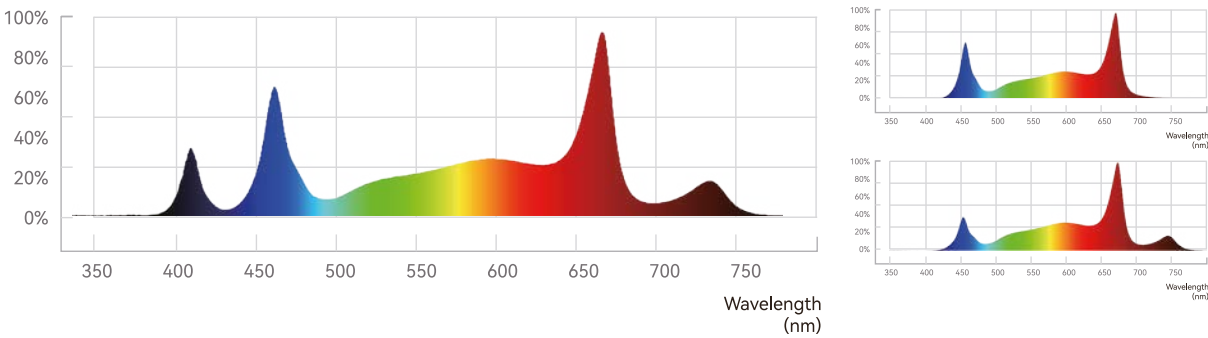
	NX600
Input Power	600 W
PFPBAR (400-800)	1620 μmol/s
PEPBAR (400-800)	2.7 μmol/J
Input Voltage	120 - 277V or 277- 480VAC
PF	≥ 0.95
Beam Angle	lens 120°
Control System	RS485/0-10V RF Wireless Control
IP Rating	IP 66
Operation Temp	-10~40°C (14~104°F)
Driver Location	Remote Driver
Weight	14.5kg(31.9lb)



Features

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Greenhouse Full Spectrum



Cannabis



Cucumber



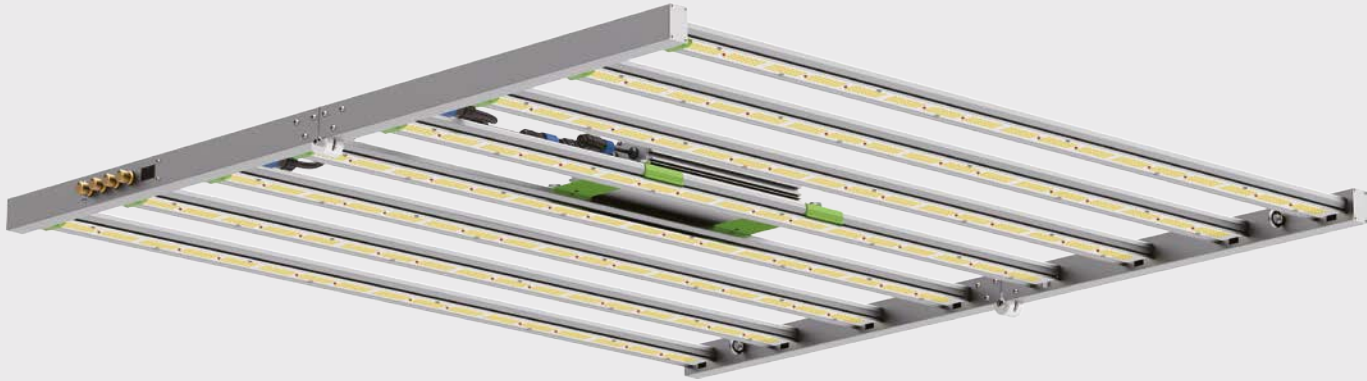
Daisy



Tomato

NX900

Photon Dancing

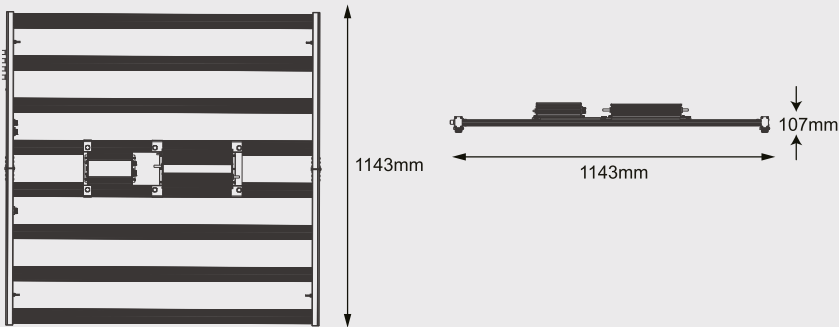


Collapsible



Item

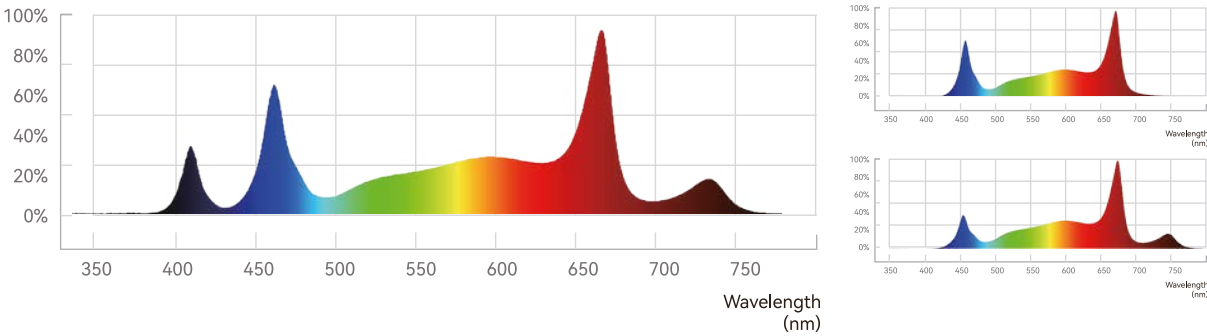
	NX900
Input Power	900 W
PF _{PBAR} (400-800)	2430 μmol/s
PE _{PBAR} (400-800)	2.7 μmol/J
Input Voltage	120 - 277V or 277- 480VAC
PF	≥ 0.95
Beam Angle	lens 120°
Control System	RS485/0-10V RF Wireless Control
IP Rating	IP 66
Operation Temp	-10~40°C (14~104°F)
Driver Location	Remote Driver
Weight	18.25kg(40.15lb)



Features

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Greenhouse Full Spectrum



Cannabis



Cucumber



Daisy



Tomato

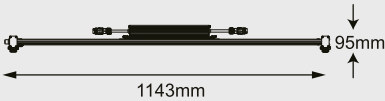
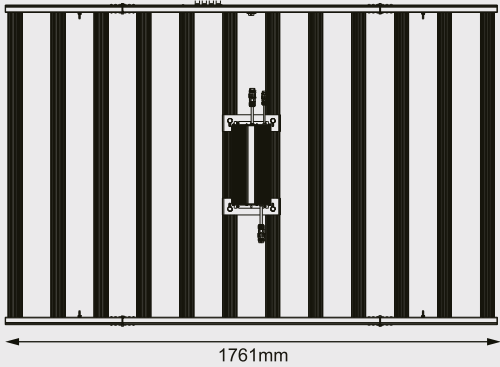
NX1200

Photon Dancing



Item

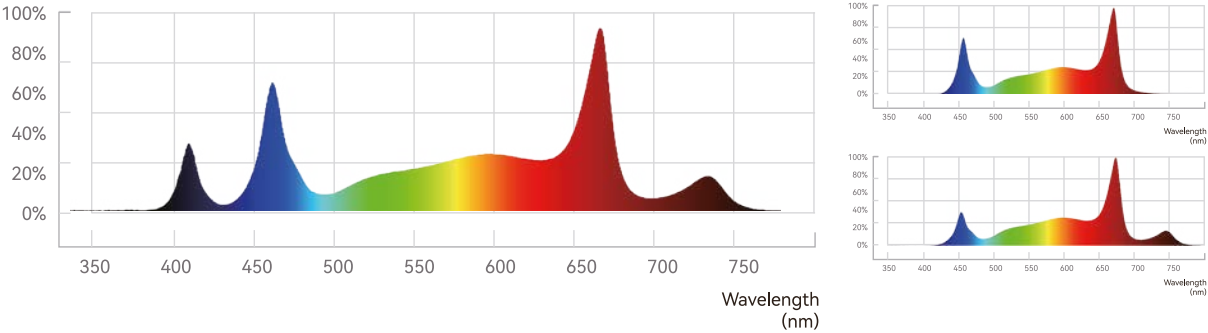
	NX1200
Input Power	1200 W
PF _{PBAR} (400-800)	3240 μmol/s
PE _{PBAR} (400-800)	2.7 μmol/J
Input Voltage	120 - 277V or 277- 480VAC
PF	≥ 0.95
Beam Angle	lens 120°
Control System	RS485/0-10V RF Wireless Control
IP Rating	IP 66
Operation Temp	-10~40°C (14~104°F)
Driver Location	Remote Driver
Weight	26.5kg(58.3lb)



Features

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Greenhouse Full Spectrum



Cannabis



Cucumber



Daisy



Tomato

