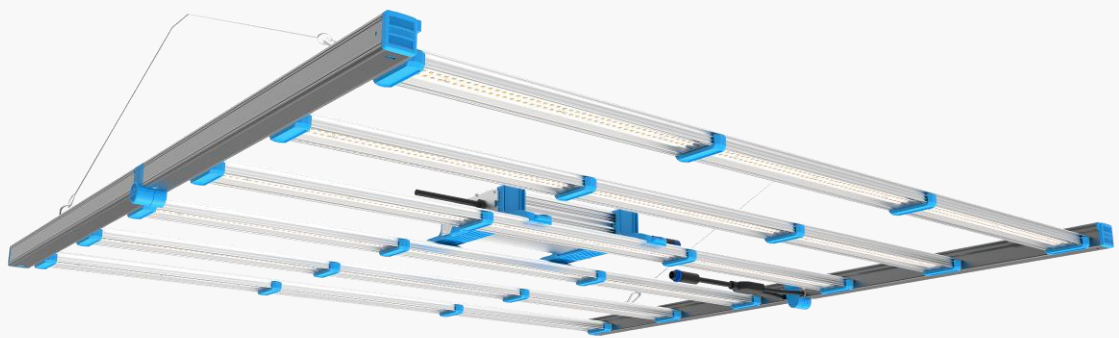


TF52P

LED Horticulture Light



Specifications

Input Voltage:	100 ~ 240Vac, 50/60Hz
LED Driver Efficiency:	93% typical value
Power Factor:	0.96
Surge Protection Level:	10kV line-earth
Working Environment:	-40°C ~ +40°C, 10% ~ 90% RH
Storage Environment	-40°C ~ +50°C, 10% ~ 90% RH
Housing:	Extrusion
IP Rating of LED Engine:	IP68
IP Rating of luminaire:	IP66
Warranty:	5 Years Limited

Features

Construction

- Whole structure heating dissipation design with efficient thermal conduction and radiation.
- Unique patented IP68 LED light engine.
- Foldable structure, easy for shipment and installation.
- Tempered glass cover, easy to clean. Optional PC cover.

Lighting Sources

- Spectrums from customized LEDs desirable for plants growth

Applications

- Vertical farming facilities, indoor agriculture, cannabis growing, etc.

TF52P

LED Horticulture Light

Ordering Information

Example: TF52P-6-650-XA-270-6105-XX-IN-DG

Luminaire Type	Module Qty	System Power	LED Package	Cable Standard
TF52P Horticulture light	6 6 modules	650 650W	X Others	A CCC+VDE C PSE H UL X Others
LED Qty per Module	Lens Code	Brand of LEDs	Driver Brand	Housing Color
270 270pcs	6105 Lambertian type	XX Others	IN INVENTRONICS PL POWERLAND	DG Dark Grey

Performance

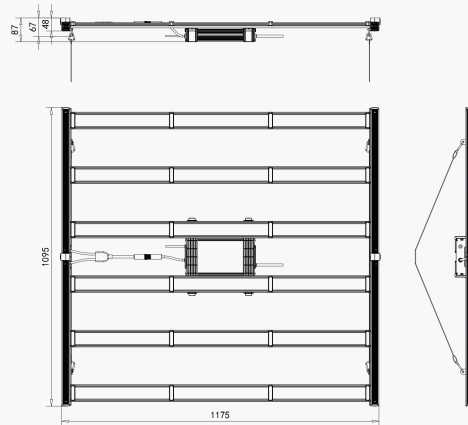
Model	Power (W)	PPF/W ($\mu\text{mol/J}$)	PPF ($\mu\text{mol/s}$)
TF52P	650	2.5	1625

Note: Typical values above with tolerance of 5%.

Product Dimensions

Model	L (mm)	W (mm)	H (mm)	N.W. (kg)
TF52P	1175	1095	87	15.1

Note: Typical values above. Tolerance of N.W.: $\pm 5\%$. Tolerance of L/ W/ H: $\pm 5\text{mm}$



Package Information

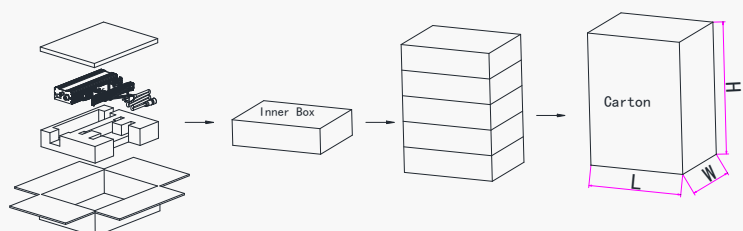
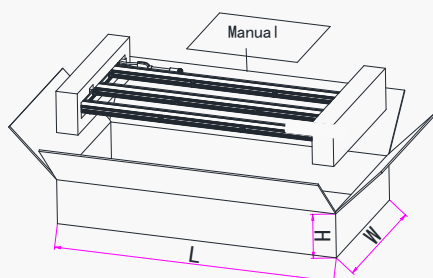
Package A: Luminaire Body

Model	L (mm)	W (mm)	H (mm)	G.W. (kg)
TF52P	1240	660	200	13.7

Note: Typical values above. Tolerance of G.W.: $\pm 5\%$. Tolerance of L/ W/ H: $\pm 5\text{mm}$

Package B: LED Driver

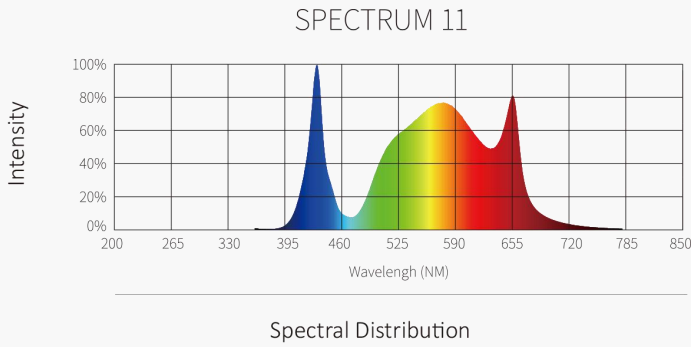
Driver Brand	Pcs/Ctn	L (mm)	W (mm)	H (mm)	G.W. (kg)
INVENTRONICS	5	380	380	520	22.5
POWERLAND	5	460	360	620	25.5



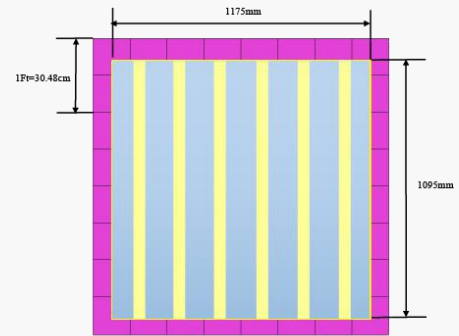
TF52P

LED Horticulture Light

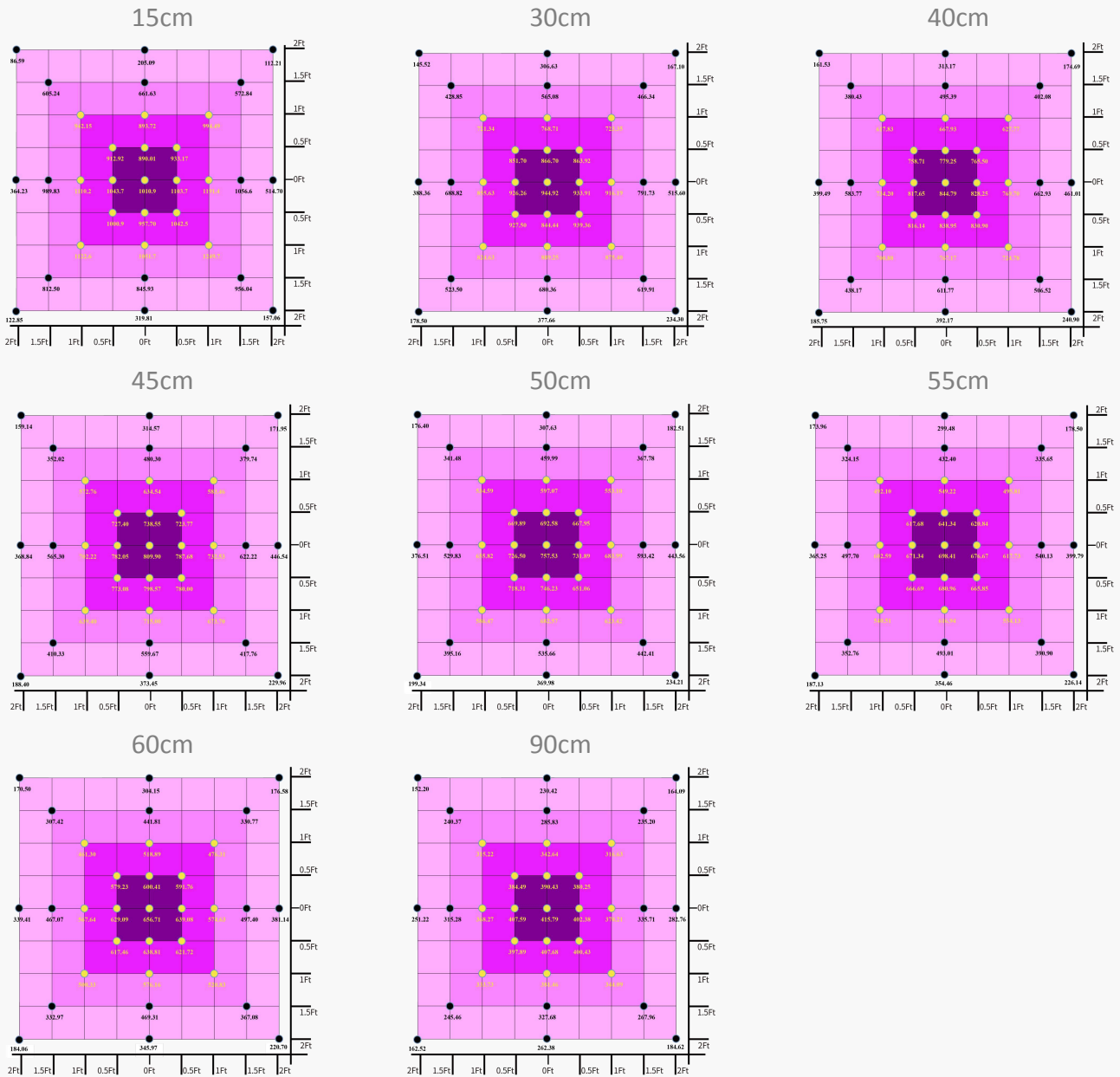
Spectrum



Testing Points



Output PPFD Testing Data



TF52P

LED Horticulture Light

Version History

Change Date	Version	Item	Description of Change	
			From	To
2021/06/09	Rev.A	Datasheet Pre-release	/	/
2021/07/02	Rev B.	wordings		
2021/09/08	Ver.1.0	Product height, packing information	85mm	87mm Driver packed separately