






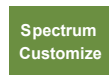
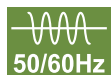


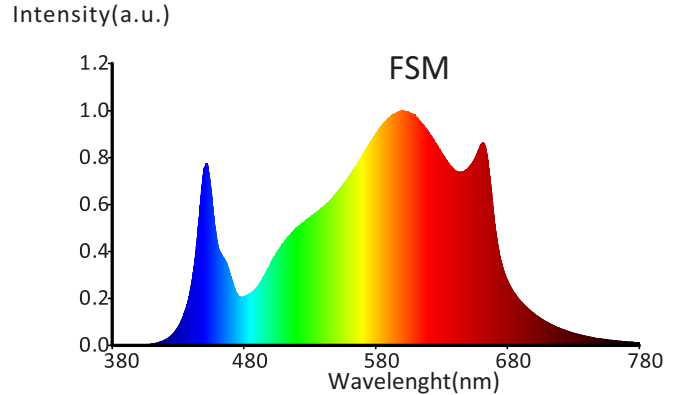
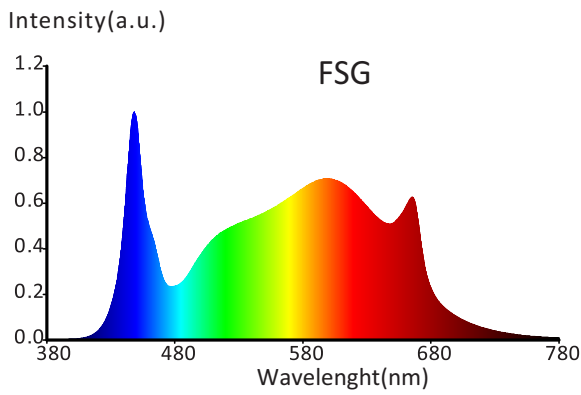
OSRAM LEDS, LM-80
ETL, LM-79, CE certification

-  Fanless Design
-  IP65 Waterproof
-  Dimmable: 0-10V/1-10V Dimming
-  Slim design with integrated driver, making it small, compact and easy to install.
-  Full spectrum for all growing stages including: Clones, Propagation, Vegetation and Flowering
-  Quick connect for ease connection. Surfaced mounted or pendant installation for different growing environment.
-  5 years warranty



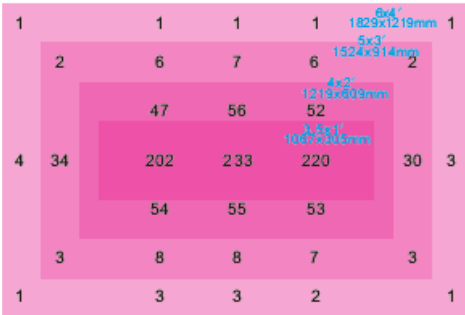
SPECIFICATIONS

MODEL	FLM10	FLM12										
Power Consumption (incl. driver)	40W	60W										
Input Voltage	AC100-277V											
Input Current	Max 0.5A@100VAC Max 0.25A@230VAC Max 0.2A@277VAC	Max 0.7A@100VAC Max 0.35A@230VAC Max 0.3A@277VAC										
Input Frequency	50/60Hz											
Power Factor	>0.9											
Spectrum	FSM	FSG	R9B1	FSM	FSG	R9B1						
PPF(μmol/s)	84	92	92	100	84	108	126	138	126	150	126	162
Efficacy (μmol/J)	2.1	2.3	2.3	2.5	2.1	2.7	2.1	2.3	2.3	2.5	2.1	2.7
Heat Output	136 BTU/h			204 BTU/h								
Dimming	0-10V / 1-10V											
Operating Temperature	-4-113° (-20-45°)											
Storage Temperature	-40-176° (-40-80°)											
Dimensions (L*W*H)	47.2*5.1*1.5inch (1199*130*38mm)											
Weight	1.98lbs(0.9kg)	2.2lbs(1kg)										
L70 Rating	>60,000 hrs											
L90 Rating	>42,000 hrs											
ETL Certification	UL 8750 Luminaires (UL 1598-2008 Ed.3+R:17Oct2012) Luminaires (UL 1598-2008 Ed.3+R:17Oct2012)											
Location Rating	Damp											
LVD Certification	IEC/EN 60598-2-1 IEC/EN 60598-1											

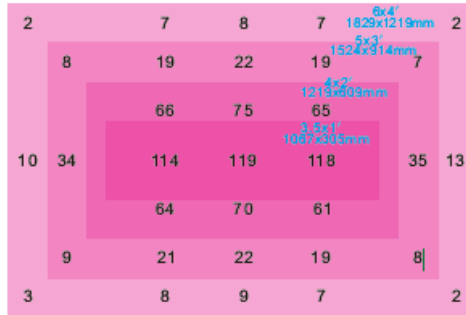


PHOTON FLUX DISTRIBUTION

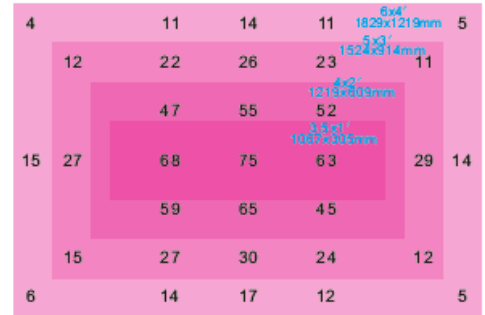
60W FLM12 PPF Distribution FSG 2.3umol/s



6"/152mm Height

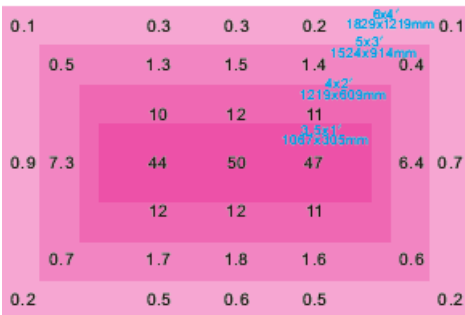


12"/305mm Height

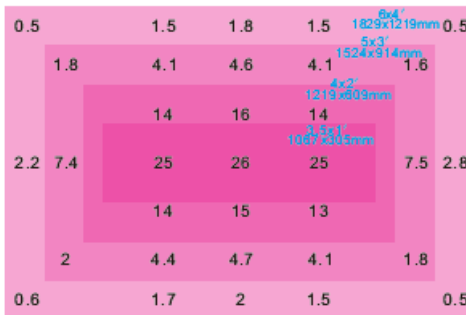


18"/457mm Height

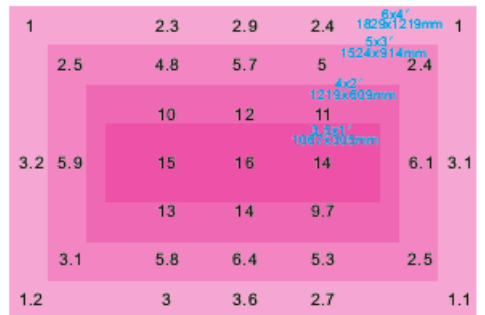
40W FLM10 PPF Distribution FSG 2.3umol/s



6"/152mm Height

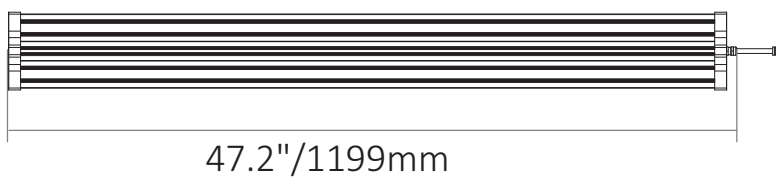


12"/305mm Height

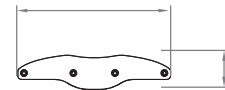


18"/457mm Height

DIMENSIONS



5.1"/130mm



1.5"/38mm

VERTICAL FARMING

6pcs FLM 40W LED Grow Light could replace T5 4ft 8 pcs *54W Fluorescent Tube light. Futur Vert LED Grow Light is 35% higher in PPF, 35% lower in power consumption and 50% less in BTU. FLM series are not only suitable for genetic & propagation period of marijuana but also suitable for lettuce & leaf planting.



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