

# PLANTFLEC

## < LED for plant growth >



Plantflec

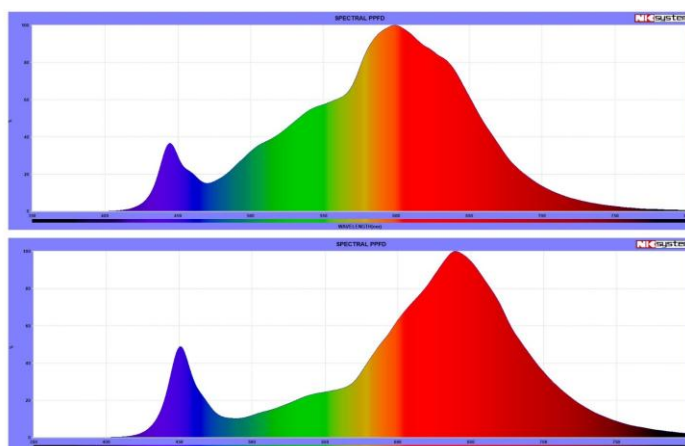
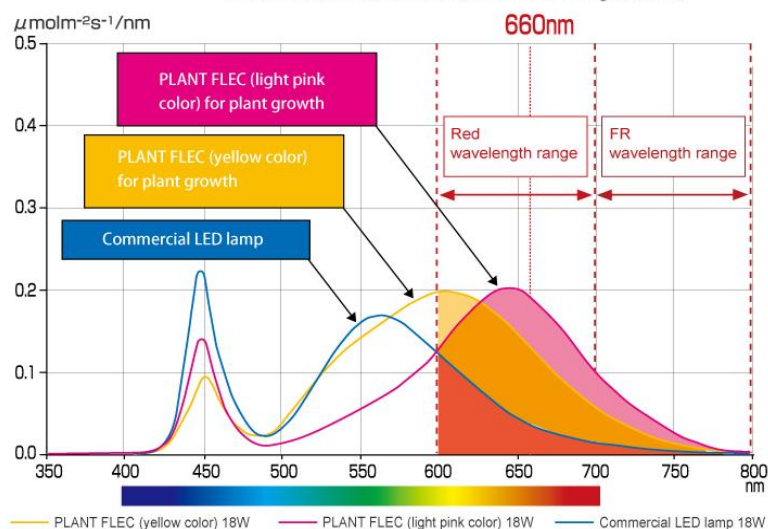
**Plantflec, a straight tube LED lamp for plant growth, has a spectrum specifically suitable for plant growth!**  
**Available in pink and yellow colors!**

### Features

- Dedicated light source: Spectral distribution specialized for plant growth.
- Energy saving: Power consumption is 50% or less compared to fluorescent lamps.
- Low cost: Low initial and running costs.
- Low heat generation: The light-emitting surface emits almost no heat, reducing the risk of heat death of plants.
- Expansion of growing quantity: Multiple stages are possible by approaching each other.
- Emission color: Pink for plant factories and yellow for normal and research use.
- Installation: Existing fluorescent light fixtures can be used. Electrical work is required.
- Ideal for replacing lamps in existing culture racks and artificial weathering equipment.

### Spectral photon flux density

(Measured at the center and 300mm from the light source)



## Specifications

### Pink color

### Yellow color

Model	PF10-S4WT8-P1 *	PF15-S5WT8-P1 *	PF20-S9WT8-P1 *	PF40-S18WT8-P1 *	PF10-S4WT8-D1 *	PF15-S5WT8-D1 *	PF20-S9WT8-D1 *	PF40-S18WT8-D1 *
Lamp type	10W	15W	20W	40W	10W	15W	20W	40W
Lamp surface	Transparent plastic cover				Transparent plastic cover			
Number of LED chips	25 pcs × 2 rows = 50 pcs	35 pcs × 2 rows = 70 pcs	65 pcs × 2 rows = 130 pcs	144 pcs × 2 rows = 288 pcs	25 pcs × 2 rows = 50 pcs	35 pcs × 2 rows = 70 pcs	65 pcs × 2 rows = 130 pcs	144 pcs × 2 rows = 288 pcs
LED illuminating angle (°)	120				120			
Tube diameter (minor axis ×	30.3 × 34.3				30.3 × 34.3			
Length (mm)	330	436	580	1,198	330	436	580	1,198
Weight (g)	120	160	210	392	120	160	210	392
Tube base	G13				G13			
Protection level	IP20				IP20			
Input current (A) max at 100V	0.06	0.09	0.09	0.18	0.06	0.09	0.1	0.18
Power consumption (W) max at 100V	4	5	9	18	4	5	9	18
Total luminous flux (lm)	160	233	750	1,000	260	360	650	1,400
Color temperature (K)	2,100 ± 100				3,000 ± 100			
Color rendering index (Ra)	80				80			
Environmental temperature (°C)	-20 to 40		-10~40		-20 to 40		-10 to 40	
Life time (h)	Approximately 30,000				Approximately 30,000			
Power source	AC 100 to 240 V 50/60Hz				AC 100 to 240 V 50/60Hz			

\*A power cord is needed if PlantFlec is used by itself.

\*Feel free to consult us regarding the installation and brackets.

\*Some plants are not suitable for PlantFlec.

\*These models are non-dimmable. Please ask us if you need dimmable models.

\*PlantFlec is incompatible with other manufacturer's LEDs. Never use PlantFlec in other lighting equipment, as it may cause a fire.