

LED GROW LIGHT

Bring Light To Your Plants



www.fruitgrowlight.com 





About Us

Tatalux Lighting is focused on the research, design, development and manufacturing of various kinds of led lighting products.

Tadiran is the brand owned by Tatalux Lighting, specially for led growth lights. Tadiran is committed to providing compensation lighting solutions to help customers increase their harvest.

Tadiran provides customers with various kinds of full spectrum LED grow lights, both outdoor and indoor. Our purpose is to provide the best grow lights possible.

Tadiran has been specialized in dragonfruit growth light production. In the past 2 years, we've helped many planting based set up growth light system. We are dedicated to helping farmers maximize both economically and efficiently.



Plant Compensation Point

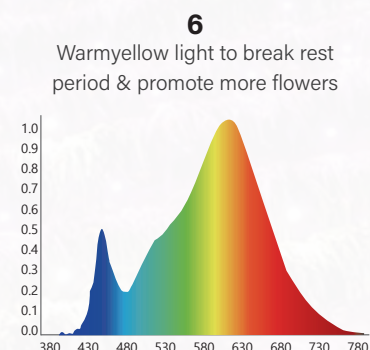
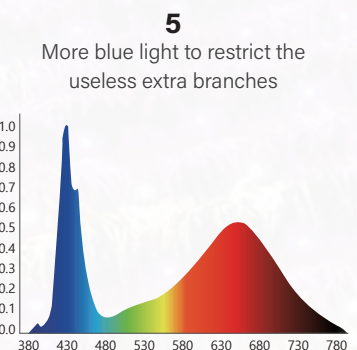
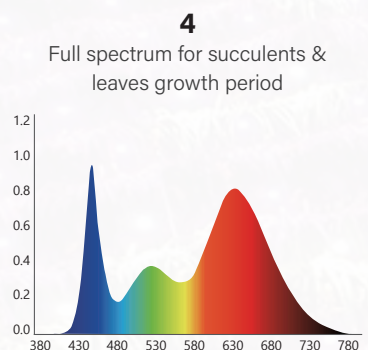
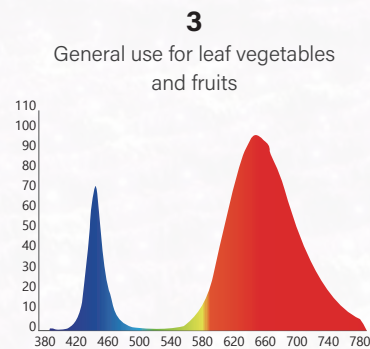
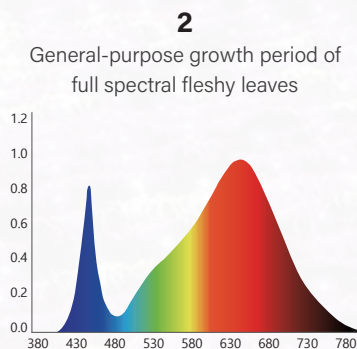
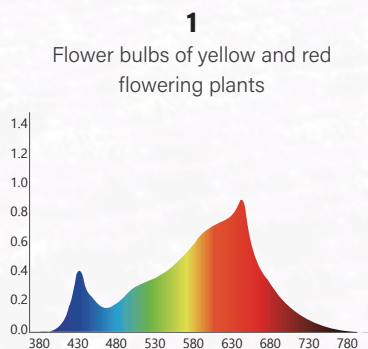
The light compensation point (Ic) is the light intensity on the light curve where the rate of photosynthesis exactly matches the rate of cellular respiration.

Type	Light compensation point	Light saturatin point	Pn at compensa-tion point
Melon	66.7	1146.6	11.6
Watermelon	42.7	1361.1	10.5
Cucumber	51	1421	21.3
Zucchini	50.1	1181	17.1
Tomato	53.1	1985	24.2
Eggplant	51.1	1682	20.1
Pepper	35	1719	19.2
Chinees cabbage	25	950	19.3
Cabbage	47	1441	23.1
Cauliflower	43	1095	17.3
Radish	48	1461	24.1
Carrot	26.9	1309.7	15.4
Garlic	41	707	11.4

Type	Light compensation point	Light saturatin point	Pn at compensa-tion point
Chinese chives	29	1076	11.3
Spinach	29.5	857	17.3
Lettuce	45	889	13.2
Pakchoi	70.3	1299.1	18.4
Celery	60.9	1128.3	11
Swiss chard	36.6	1254.4	13.8
Head lettuce	38.4	851.1	
Lettuce	53.6	1320	13.3
Schizonepeta	49.4	1439.7	15.7
Potato	37.2	1143	16.5
Ginger	30.8	827.6	10.8
Taro	41.5	1232	12.2
Toona sinensis	60	1216.5	12.2

Grow Light Spectrum by Type

Certain light spectrums trigger growth characteristics in plants.





Grow Light for Dragonfruit /Pitaya

- To stimulate blooming
- To break dormancy
- Get 4-6 more batches in off-seasons.

LED Grow Light

Dragonfruit/Pitaya Outdoor Use

Supplement Light to Promote Flowers in Off Seasons

Material: Transparent PC cover + PBT/alum cup

Warmyellow / Red+Blue



TALZPAG2

Item No.	Power	Voltage	Dimensions	Base	Beam angle
TALZPAG1	9W	85-265V	Φ=70mm;L=125mm	E27	220°

Item No.	Power	Voltage	Dimensions	Base	Beam angle
TALZPAG2	15W	85-265V	Φ=80mm;L=140mm	E27	220°

Item No.	Power	Voltage	Dimensions	Base	Beam angle
TALZPAG3	12W	85-265V	Φ=80mm;L=140mm	E27	220°



LED Grow Light Dragonfruit/Pitaya Outdoor Use

Supplement Light to Promote Flowers in Off Seasons

Material: Alum cup

Warmyellow / Red+Blue



TALZPU2



TALZPU3

Item No.	Power	Voltage	Dimensions	Base	Beam angle
TALZPU2	15W	85-265V	Φ=130mm;L=80mm	E27	120°

Item No.	Power	Voltage	Dimensions	Base	Beam angle
TALZPU3	15W	85-265V	Φ=125mm;L=82mm	E27	150°



LED Grow Light For Strawberry/Cucumber Use

Material: Alum cup

Warmyellow / Red+Blue



TALZPU4

Item No.	Power	Voltage	Dimensions	Base	Beam angle
TALZPU4	30W	85-265V	Φ=160mm;L=105mm	E27	150°



LED Grow Light For Indoor Greenhouse Plants

Material: Alum cup

Light Color: Purple + Yellow + Blue Mix.

Designed Spectrum for most kinds of indoor fruits /vegetables /flowers.
(Strawberries, Cucumber, Grape, Roses...)



TALZPUH2

Item No.	Power	Voltage	Dimensions	Beam angle
TALZPUH2-36W	36W	85-265V	240*135mm	135°
TALZPUH2-50W	50W	85-265V	280*145mm	135°
TALZPUH2-80W	80W	85-265V	330*150mm	135°



LED Grow Light

Material: Alum cup

Light Color: Purple + Yellow + Blue Mix.

Designed Spectrum for most kinds of greenhouse fruits plants.
(Cherries, Nectarine...)



TALZPUH3

Item No.	Power	Voltage	Dimensions	Beam angle
TALZPUH3-50W	50W	85-265V	245*80mm	180°
TALZPUH3-100W	100W	85-265V	280*85mm	180°

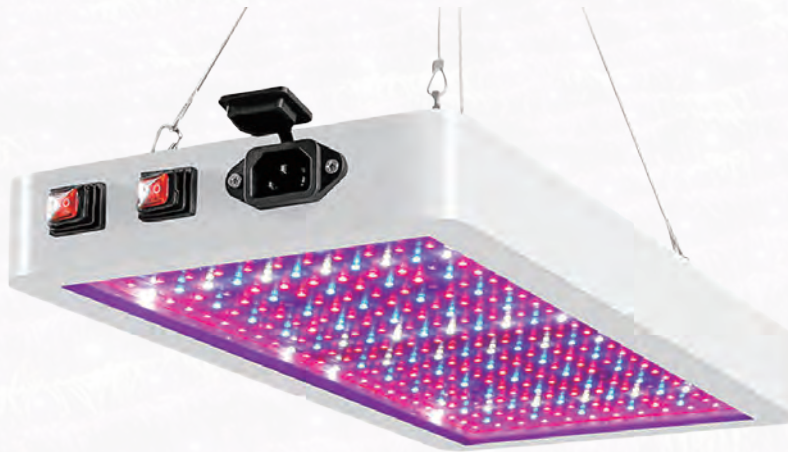


LED Grow Light For Indoor Greenhouse Plants

For indoor/greenhouse veg plant use.

With the Veg/Bloom switch,it provides proper light for plants in different Grow stages

Material: Alum body + Tempered glass cover

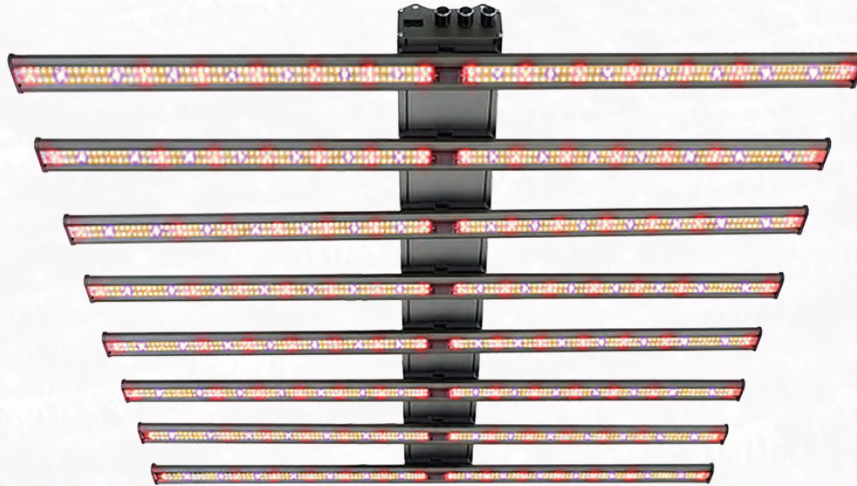


TALZPPD

Item No.	Power	Voltage	Dimensions	Beam angle
TALZPPD10	109W	85-265V	327*230*66mm	220°
TALZPPD21	219W	85-265V	537*230*66mm	220°
TALZPPD31	316W	85-265V	537*290*75mm	220°
TALZPPD43	438W	85-265V	677*302*75mm	220°



LED Grow Light For Indoor Greenhouse Plants



TALZPT3

Item No.	Power	Voltage	Dimensions	PF
TALZPT3-480	480W	85-265V	1100*1100*115mm	>0.98
TALZPT3-640	640W	85-265V	1100*1065*115mm	>0.98
TALZPT3-800	800W	85-265V	1100*1200*72mm	>0.98
TALZPT3-1000	1000W	85-265V	1100*1100*115mm	>0.98



LED Grow Light For Indoor Greenhouse Plants



Single Row

TALZPT7



Double Row

TALZPT8

Item No.	Power	Voltage	Dimensions	PF
TALZPT7-10	10W	85-265V	600*30*40mm	>0.98
TALZPT7-20	20W	85-265V	1200*30*40mm	>0.98

Item No.	Power	Voltage	Dimensions	PF
TALZPT8-20	20W	85-265V	600*30*40mm	>0.98
TALZPT8-40	40W	85-265V	1200*30*40mm	>0.98



Edible Mushroom Supplement Light

Light Color: White+ Blue Mix.

Designed Spectrum for different kinds of mushroom planting

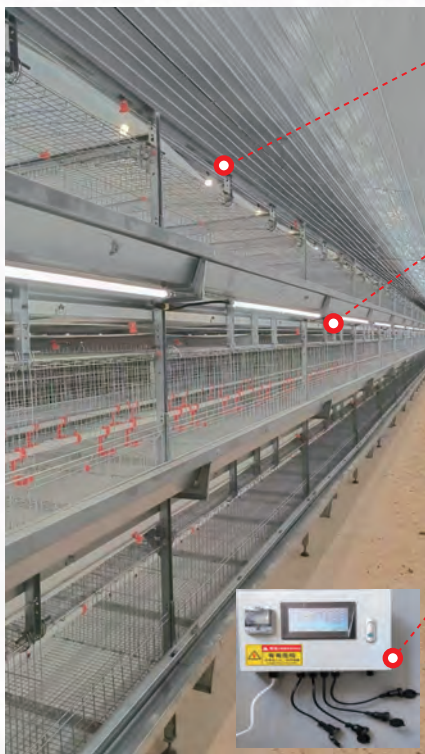


TALZPT9

Item No.	Power	Voltage	Dimensions	PF
TALZPT9-18	18W	85-265V	600*25mm	>0.98



Chicken Farm Grow Light System



Chicken Farm Grow Light Bulb T80

Ø80*H140mm, 9W, non-flickering, PWM dimmable.

Chicken Farm Grow Light Tube T5

Length: 1.2m. T5-8W-48V non-flickering, PWM dimmable.

Color temp: 3000K/6000K

Used together with a smart dimming controller. The whole system simulates sunrise and sunset, allowing the poultry to follow their natural schedule every day and not be frightened by the sudden switch of the light.

Dimming Controller

Product Size: 680*445*150mm 500W*4way-487, dividable

Iron material. Inside control system can be made as the client's needs.

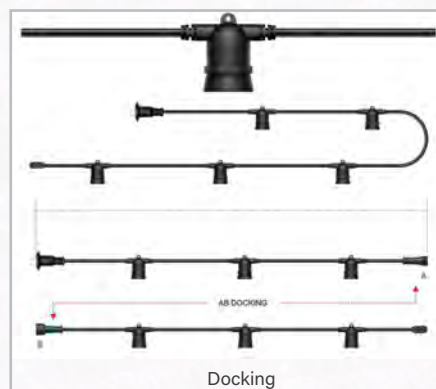
Language Chinese/English



Lighting Accessories

Material: Copper core + PVC insulator

Length and sockets quantity can be customized according to customers' data.



Outdoor String Lights Series

Item No.	Sockets distance	Product Length	Sockets Quantity	Wire Size	Maximum Power
TAWSB216A50-33	1.5M	50M	33	2x16ASJT	900W
TAWSB216A100-66	1.5M	100M	66	2x16ASJT	900W
TAWSB216A50-25	2M	50M	25	2x16ASJT	900W
TAWSB216A100-50	2M	100M	50	2x16ASJT	900W
TAWSB218A50-20	2.5M	50M	20	2x18ASJT	600W
TAWSB218A100-40	2.5M	100M	40	2x18ASJT	600W
TAWSB218A50-16	3M	50M	16	2x18ASJT	600W
TAWSB218A100-33	3M	100M	33	2x18ASJT	600W



Lighting Accessories

Material: UV-resistant plastic



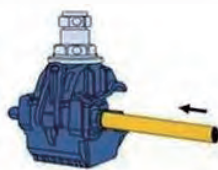
Puncture Insulated Wire Clip



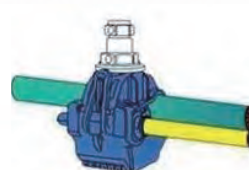
Installation Method



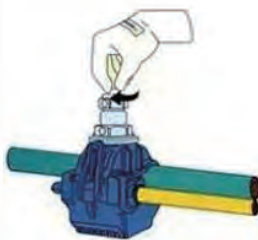
1. Adjust the clamp nut to the proper position



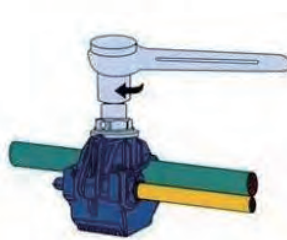
2. Fully Insert the branch wire into the cable cap



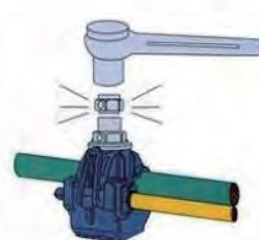
3. Insert the main wire. If the main wire has two layers of insulation, strip off the first layer of insulation at the insertion end to a certain length.



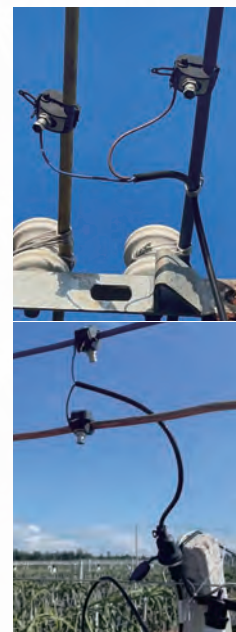
4. Tighten the nut by hand first, and fix the clip in the proper position



5. Tighten the nut with a casing wrench of the corresponding size



6. Continue to tighten the nut until the top breaks and falls off, and the installation is complete





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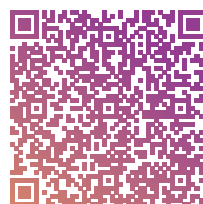
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