



Optimizing the Cultivation Process

Vegetative Plants

• To promote strong vegetative growth, enabling higher production of quality cuttings

• Minimize losses due to healthy, resistant plants

Cloning

• Our fixtures have high IP rating meaning they are resistant to conditions of high humidity and dust

• With optimal light distribution, cloned plants will have uniform growth and will reach further growth stages simultaneously

Vegetative Stage



Our spectrum results in compact and slim plants, perfect for vertical farming

Tight internodal length

Flowering



High amount of dry flower weight
Consistent flower quality and chemotype, cycle after cycle

LED



LED Horticultural Fixture



LED Horticultural Lamp



LED/T5-04P-54A

LED/T5-06P-54A

Horticultural Lamp

Replacement for 54 watt T5 HO lamps

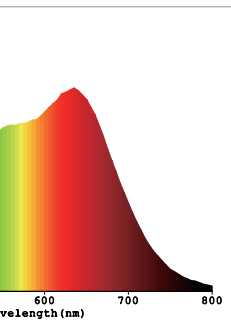
...out AND reduced power consumption

...energy savings versus a 54 watt fluorescent T5 lamp

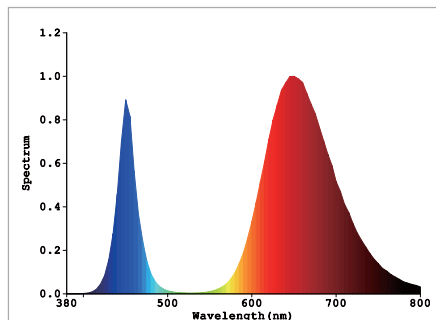
...with NO rewiring. Works directly with fluorescent electronic ballasts

...or technology provides optimized color output

...development by request. Provide perfect light for any plant



...al for Vegetative growth)



Wide Band Red (Ideal for Fruit/Flower growth)

Overview

Horticultural T5 LED Grow Light system delivers performance, flexible lumen output in any growing environment. These T5 fixtures allow multiple hanging configurations to meet your garden's design. The specular aluminum with energy-efficient Horticultural T5 LED lamp provides the light energy of normal fluorescent systems.

Features

- Variety of sizes to fit many growing needs
- High performance specular aluminum reflectors for highest output
- Low profile
- UL listed for complete light
- Powder coated steel housing
- Hangs 2 ways-- vertical or horizontal for hanging flexibility
- On/off switches on the fixture to regulate light output
- Louvered on sides for cool operation
- 8' grounded power cord
- 3- year warranty for ballast and fixture
- 24W T5 LED lamps directly replace for 54w T5 fluorescent HO lamps
- 24W T5 LED lamps with full spectrum white (ideal for vegetative growth)
- red (Ideal for fruit/flower growth).

Application

- Use with growth chambers and climate controlled growing areas
- Under the bench lighting
- Tissue culture racks
- Limited growing space need

Specification

	HGI T5 LED LAMP	T5 HO Fluorescent Lamp
	24W	54W
	No	Yes
	50,000 hours	10,000hours

COMPARISON	LNPUT	POWER	Beam angle	DEMENSION
LED/T5-04P-54A	120VAC, 50/60HZ	4*24W	120°	1200×340×65
LED/T5-06P-54A	120VAC, 50/60HZ	6*24W	120°	1200×475×65



Horticultural Lamp

placement for 32 watt T8 lamps

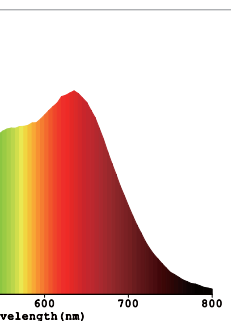
output AND reduced power consumption

energy savings versus a 32 watt fluorescent T8-48in lamp

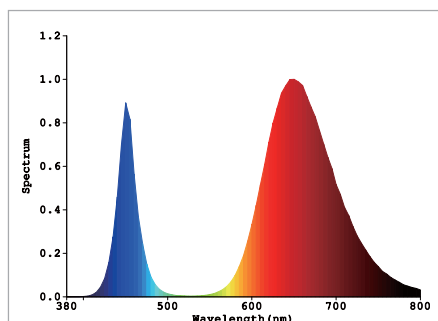
100~277v supply source.

phor technology provides optimized color output

development by request. Provide perfect light for any plant



al for Vegetative growth)



Wide Band Red (Ideal for Fruit/Flower growth)

on	HGI T8-22W LED LAMP	T8-32W Fluorescent Lamp
on	22W	32W
	No	Yes
	50,000 hours	10,000 hours
	5 years	1 years

Overview

Horticultural T8 LED Grow Light system delivers performance lumen output in any growing environment. These T8 fixtures multiple hanging configurations to meet your garden's design. TH aluminum with energy-efficient horticultural T8 LED lamps and p energy of normal fluorescent systems.

Features

Variety of sizes to fit many growing needs
 High performance specular aluminum reflectors for highest output
 Low profile
 UL listed for complete light
 Powder coated steel housing
 Hangs 2 ways-- vertical or horizontal for hanging flexibility
 On/off switches on the fixture to regulate light output
 Louvered on sides for cool operation
 8' grounded power cord
 3- year warranty for ballast and fixture
 22W T8 LED lamps directly used under 100V-277V supply source
 22W T8 LED lamps with full spectrum white (ideal for vegetative
 band red (Ideal for fruit/flower growth).

Application

Use with growth chambers and climate controlled growing areas
 Under the bench lighting
 Tissue culture racks
 Limited growing space need

Specification

COMPARISON	INPUT	POWER	BEAM ANGLE	DEMENSION
LED/T8-04P-B	The lamp voltage	4*22W	120°	1260×334×65
LED/T8-06P-B	The lamp voltage	6*22W	120°	1260×475×65

22W LED Light Fixture

40W LED Light Fixture

and wattages to meet more growing needs

complete light fixture

te flame-retardant PC shell

r cord

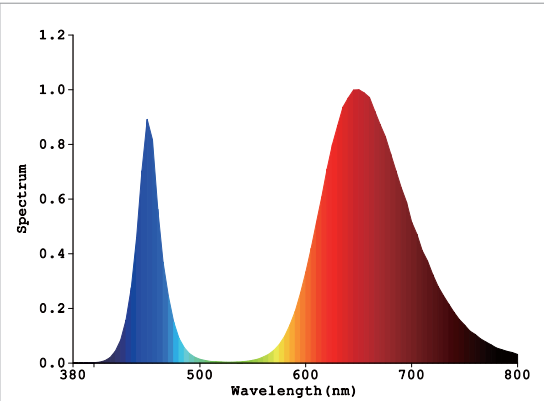
lips

t or cable for easy connection between ends of two or more lights.

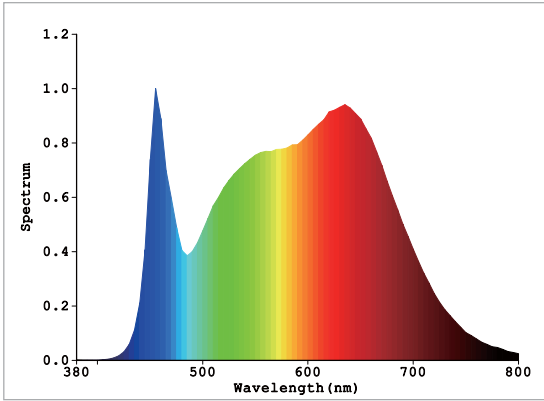
hts directly under 120VAC power supply

ite(Ideal for Vegetative growth) or Wide band Red (Ideal for

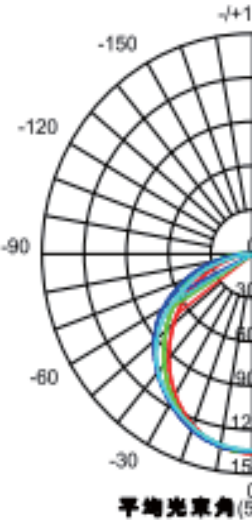
yth) for selection.



Wide Band Red (Ideal for Fruit/Flower growth)



Full Spectrum White (Ideal for Vegetative growth)



POWER	INPUT	BEAM ANGLE	DEMENSION	Operating tem
22W	120VAC,50/60HZ	120°	1200*72*45mm	-20℃-4
40W	120VAC,50/60HZ	120°	1200*131*47mm	-20℃-4





but reduced power consumption.
versus a CFL.
with CFL, No rewiring.
277VAC universal power.
Spectrum optimized light.

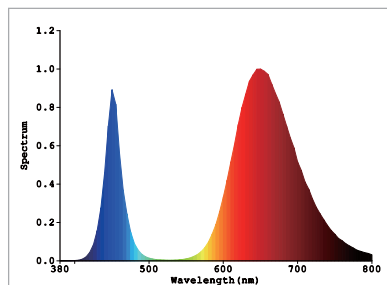


Features

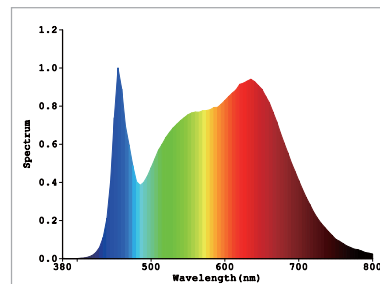
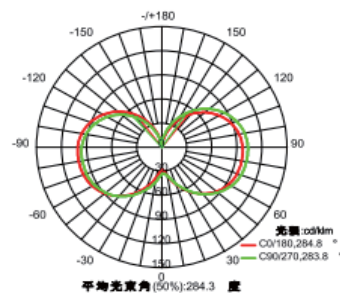
Equivalent PAR output reduced power consumption.
Works under 220-240VAC universal power.
Provide growth spectrum optimized light.
Aluminum body+pc cover
Long/short neck Design



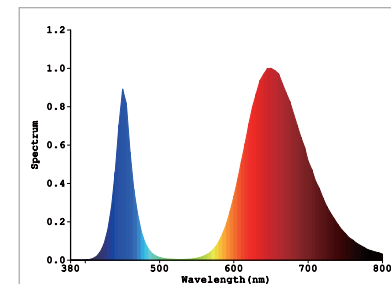
rowth)



Wide Band Red (Ideal for Fruit/Flower growth)



Full Spectrum White (Ideal for Vegetative growth)



Wide Band Red (Ideal for Fruit/Flower growth)

HGILED 50W/5U	HGILED 65W/6U	HGILED 75W/8U
50W	65W	75W
100-277VAC,50/60Hz	100-277VAC,50/60Hz	100-277VAC,50/60Hz
Φ 91*270mm	Φ 105*305mm	Φ 125*310mm
E29/E40	E29/E40	E29/E40

	HGILED 15W/UFO	HGILED 30W/OFO
Power Consumption	15W	30W
Voltage	220-240VAC,50/60HZ	220-240VAC,50/60HZ
Dimensions	Φ 110*101mm	Φ 130*116mm
	E29	E29