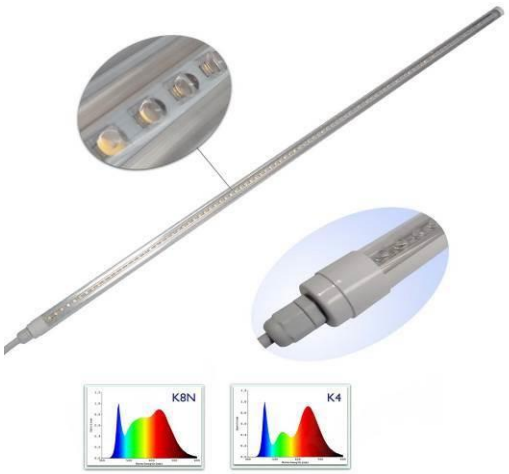
T8 Waterproof LED Grow Tube - Optional With Lens or Non Lens

MODEL: RX-GW28-PT8 series Http: www.xinelam.com

Description: RX-GW28-PT8 LED grow light tube，waterproof IP65. With Lens, More spectral radiance, directional and concentrated light output, higher light utilization efficiency, Energy saving 30~ 50%. 100% No flicker, shooting without flash. Full spectrum, for different plants. Ideal for various types of plant cultivation, aquarium and high-density shelf structure plant factory.



1. Waterproof IP65
2. PT8T With Lens， more uniform spectral radiance, directional and concentrated light output, higher light utilization efficiency, energy saving 30~ 50%, Beam Angle: 60 °
3. 100% No flicker, shooting without flash. Easy to observe, protect your eyes.
4. K8N spectrum for ornamental plants, succulents, flowers, and all kinds of potted plants.
5. K4 spectrum for vegetable cultivation and plant factory.
6. Input voltage:AC100~240V，PF >0.9,Power:18W
7. Lifespan: 25000 hours
8. CE RoHS FCC

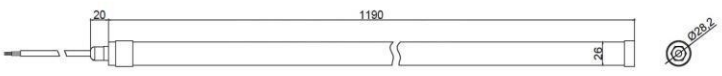
Model	Dimension	LED QTY Peak Wavelength	Photon PPFD μmol.m•²s•¹	Luminous flux Radiation Power	Power Input AC100-240V	Comment
RX-GW28-PT8-K8N	L1200mm Ø26mm	Full Spectrum K8N	60.46μmol @0.2m 37.65μmol @0.3m 20.75μmol @0.5m	Flux 1837Lm Fe 6.8W	18W PF>0.9	High CRI Ra 97 easy to observe. Ornamental plants, succulents, flowers,
RX-GW28-PT8T-K8N		Full Spectrum K8N	85.50μmol @0.2m 63.62μmol @0.3m 41.54μmol @0.5m	Flux 1720Lm Fe 6.3W		60 °lens concentrated light, Ra 97 easy to observe.
RX-GW28-PT8-K4		Full Spectrum K4	61.16μmol @0.2m 34.20μmol @0.3m 15.84μmol @0.5m	Flux 1216Lm Fe 6.0W		Universal type plant light, CRI Ra 70
RX-GW28-PT8T-K4		Full Spectrum K4	86.50μmol @0.2m 57.85μmol @0.3m 31.72μmol @0.5m	Flux 1137Lm Fe 5.6W		60 ° lens Universal type plant light, Suitable for all plants. CRI Ra 70

Surface temperature rise Tc 25 °K , Operating temperature: -30 °C ~ 40°C , Lifespan: 25,000 hrs (Note:Ta ≤ 25 °C)

Tolerance range for optical and electrical data: ±10 %.

Beam angle: 60° ,Recommended irradiation distance: 0.3~0.6m； Beam angle: 120° , Recommended irradiation distance :0.2~0.4m；

Dimension:

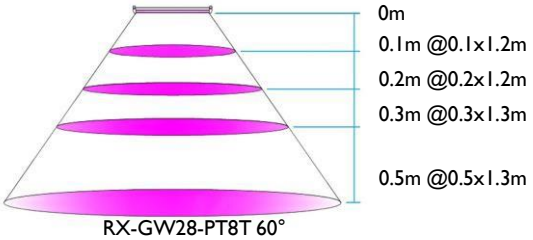


Tcp

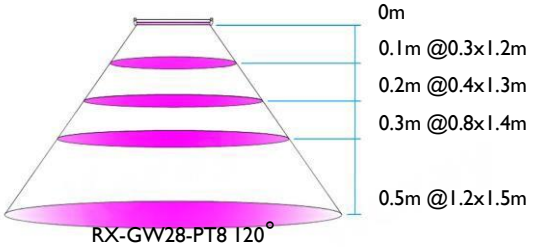
UNIT:mm

RX-GW28-PT8

Depth distance & Coverage:



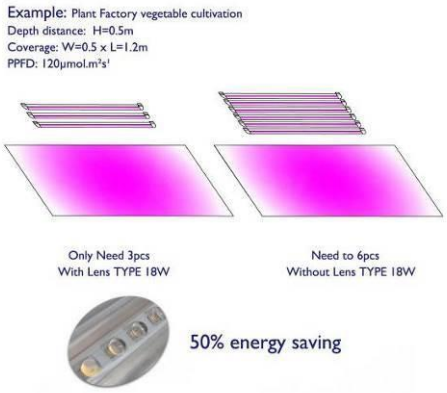
RX-GW28-PT8T 60°



RX-GW28-PT8 120°

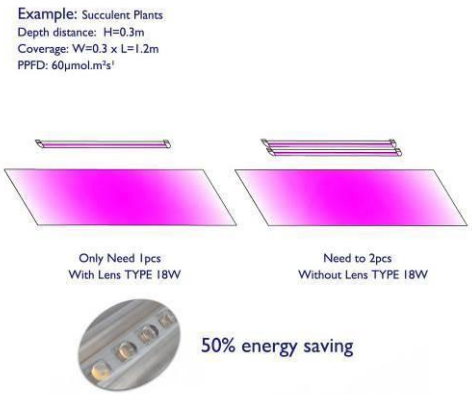
With Lens - Directional concentrating irradiation， energy saving50%！
Unique lens to make light Beam focusing， increasing Photosynthetic photon flux density greatly comparing to similar, energy saving 30~ 50%。

Example 1: plant factoryvegetables cultivation.
Irradiation distance 0.5m
Irradiation area 0.5x1.2m，
PPFD： 120μmol.m-^{2} s-^{1}



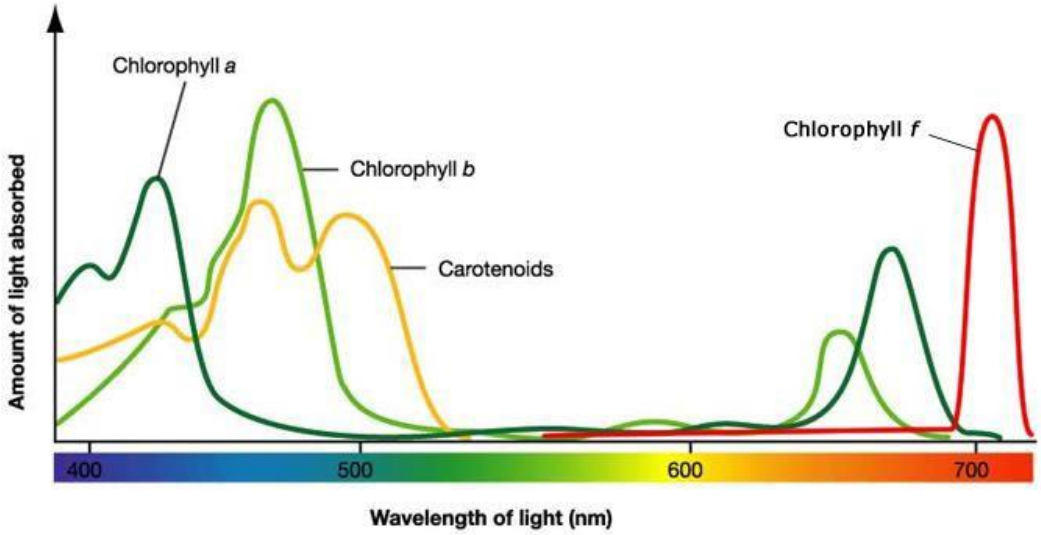
PT8T with lens：nend 3pcs only common led tube need 6pcs
notice：the produce as the same power

Example 2: succulentplants cultivation
Irradiation distance 0.3m
Irradiation area 0.3x1.2m
PPFD： 60μmol.m-^{2} s-^{1}



PT8T with lens：need 1piece only，common led tube need 2pcs，energy saving 50%

Spectral Properties of Plants



- 400-520nm light spectrum of leave photosynthesis has the largest impact on photosynthesis, chlorophylls and carotenoids can prevent the leaves yellow, grow another news and cultivate plant stems' growth
- 610-720nm light spectrum that allow chlorophyll absorbs more has impact on seed germination, branch bifurcation, pigment synthesis, stem growth, flowering and Enzyme functions
- Far red (720 ~ 1000nm) to control the plant from germination to vegetative growth and fl owering
- White to provide a human friendly working environment

Each sort of plant needs it's own tailored Spectral Power Distribution (SPD) to achieve the best results.