

Experience the premium quality and the most advanced grow lighting fixture on the market

IP67

- 100% protected against dust and sand
- Not affected by dust for getting sprayed by water
- Extended lifespan

Flexible and simplified installation

- Robust form
- Centralized software
- Easy mounting technology

Advanced cooling system technology

- Cooling area 0.5 m²
- Solutions to thermal issues
- Improved performance

High efficacy Würth LEDs

- Low thermal resistance
- Individually adjustable color spectrum

Optimus fixture modules

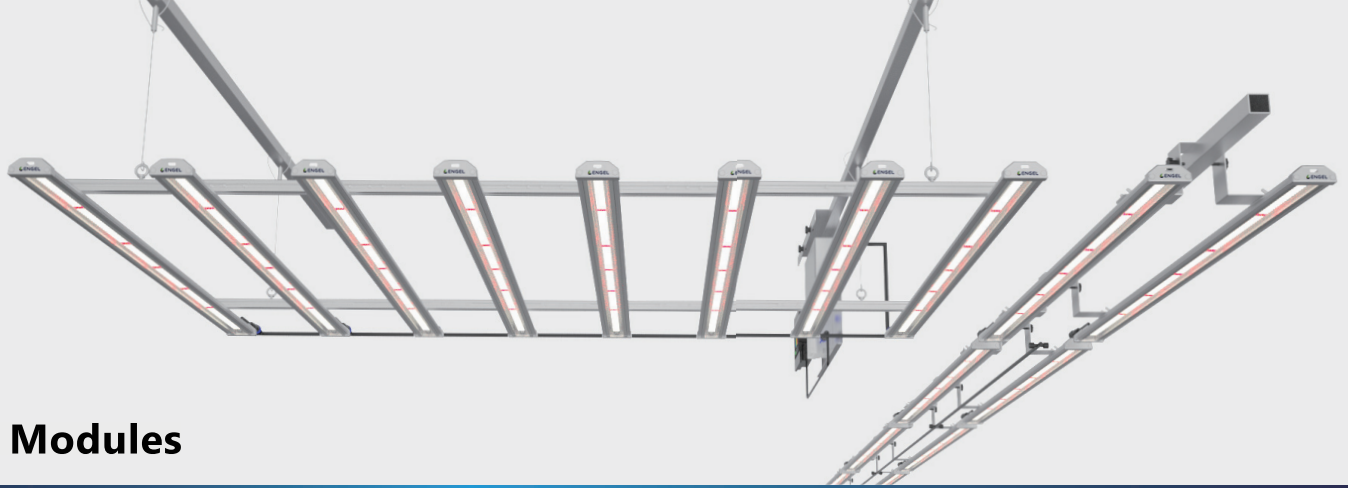
Model	Watt	Dimensions	Weight	Thermal Management	Max Ambient Temperature	Life Time	Power Factor	Harmonic Distortion	Beam Angle	Control	Warranty	Certifications
Line S8	0-650 W	1465*1300*45 (mm)	8Kg	Passively convection cooled	-20/+50 C	@25 C L90>43.000h	>0.9	<10% THD	120°	0-10V	3 years*	IP67, EMC CE, RoHS
Line L8	0-650 W	4730*264*110 (mm)	8Kg	Passively convection cooled	-20/+50 C	@25 C L90>43.000h	>0.9	<10% THD	120°	0-10V	3 years*	IP67, EMC CE, RoHS

* 3 years limited warranty (5 years optionally available)

Engel Line- have been developed for customized light solutions for any growing environment with high efficacy Würth LEDs. Designed in Germany and optimized for high light crops.



Line Fixture Modules



INSTALLATION SPECIFICATIONS

	Line S8	Line L8
Mounting	Metal hook/wire rope suspending	Wire rope suspending
Canopy Coverage*	Refer to PPFD ($\mu\text{mol}/\text{m}^2/\text{s}$) strength to customize the best installation height	
Cable Length	1.8m male and female quick plug cable	
Plug	Open-ended	

Electrical Specifications

	Voltage	Amperage	Frequency	Inrush Current
Line S8 / Line L8	100-277 VAC	2.95A	50/60 Hz	12A

*Note that light intensity is directly related to canopy coverage and hanging height.



Maximize Crop Yield & Quality with TerraSmartPAR

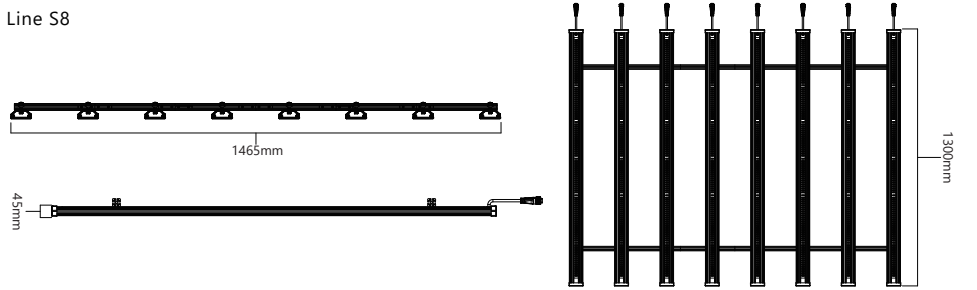


TerraSmartPARS Wireless Control System

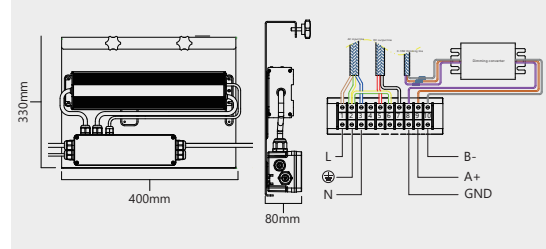
- With Engel TerraSmartPAR the lighting fixtures can be controlled from any smartphone, tablet or computer.
- Connecting light Sensors to adjust the lighting to the greenhouse lighting environment.
- Our researchers, cooperate scientists, and industry experts provide you customized, collaborative services to maximize crop yield, improve quality, root mass, flavor, nutrition, color and so on.
- Optimize your energy-usage while ensuring ideal lighting.



FIXTURE DIMENSIONS



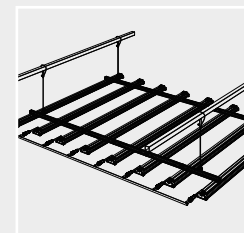
POWER SUPPLY



MOUNTING OPTIONS

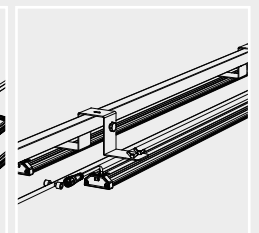
Line S8

Standard

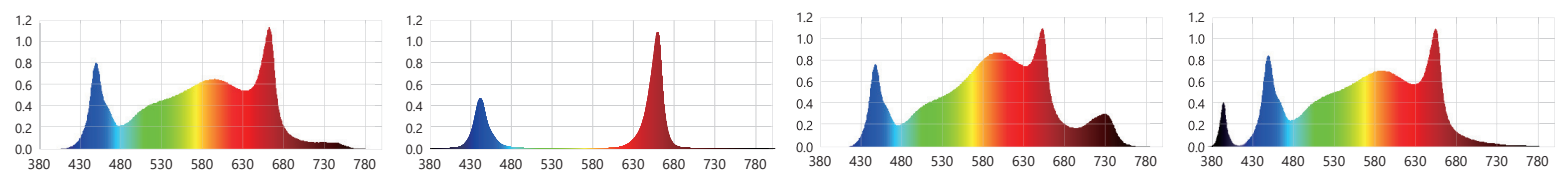


Line L8

Standard



SPECTRAL VARIANTS



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For more information please visit:
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