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Luninaire

Sunspot

Tomato Reflector



**More Growth Light for
tomato Plants**



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Mads Pedersen.
Alfred Pedersen & Søn

With company branches in both Denmark and Sweden and a total area of 22 hectares Alfred Pedersen and Son is Scandinavia's largest tomato grower. When the company wanted to expand their use of growth light, the choice fell on the Sunspot Tomato Reflector, which is now being used in 1,5 hectares of the greenhouses.

Mads: *“We have tested the Sunspot Tomato Reflector and they have resulted in a larger yield. The extra costs can therefore be returned within a few years.”*

The design of the luminaire ensures a low temperature for the gear which keeps the maintenance costs down. The lower temperature protects the gear and ensures a longer lifespan of the product.

Mads: *“We have experienced lower maintenance costs when using Sunspot Tomato Reflector.”*

More Growth Light for Tomato Plants

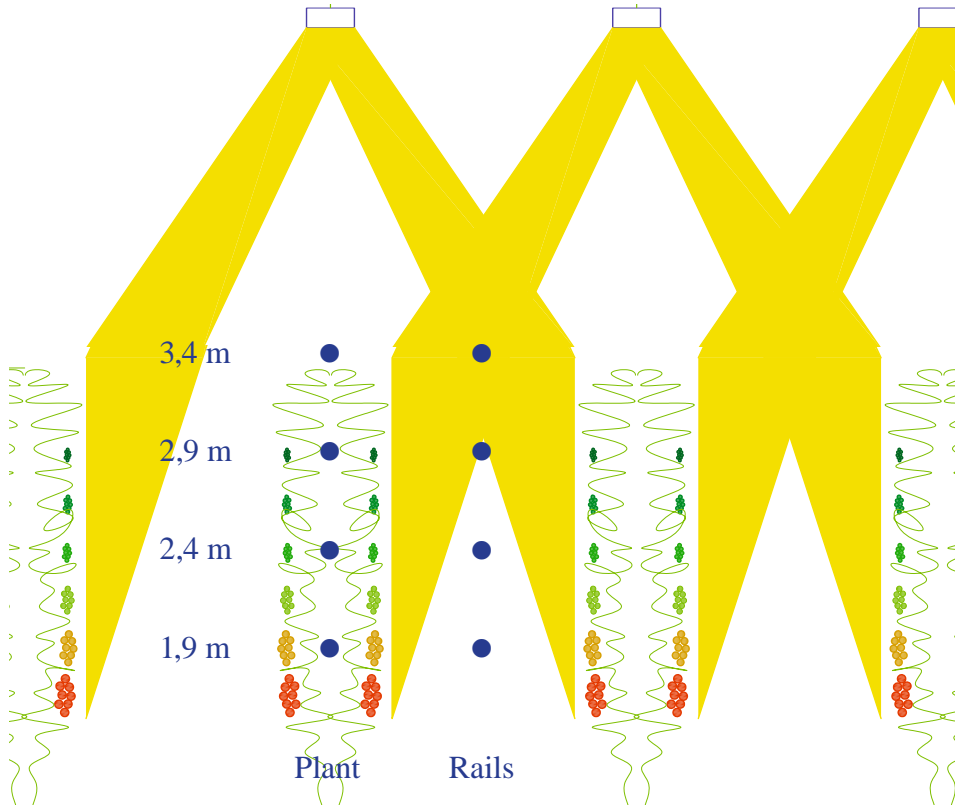
With the Sunspot Tomato Reflector more growth light is obtained on a larger area of the tomato plant compared to competing products. The reflector is developed specifically to create as much light as possible for tomato plants. With the products design the growth light is focused not only on the higher placed leaves, but it also lets the light reflect to the lower leaves. This leads to a significantly larger amount of growth light reaching the plants making photosynthesis.



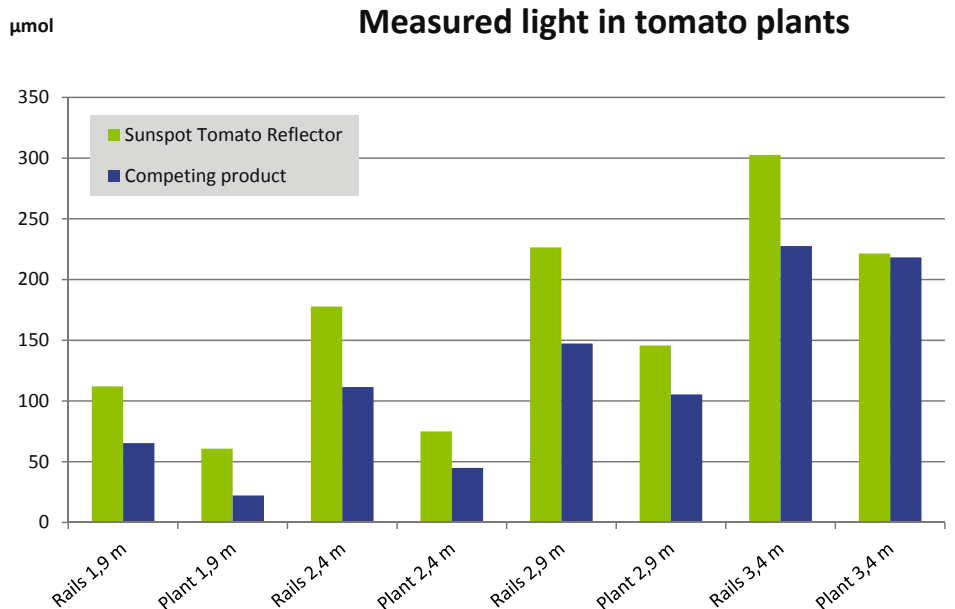


The increased amount of growth light is obtained because of the asymmetrical reflection as seen in the illustration:

Measurement area and light pattern



The figure below shows the difference between the Sunspot Tomato Reflector and a comparable competing product. The statistics build on hundreds of measurements on both plants and rails as seen in the above figure. On average almost 20 % more growth light reaches the plants.





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Sunspot *m/Tomato Reflector*

Facts	Sunspot 600 W / 400 V	Sunspot 1000 W / 400 V
Power Consumption	1,6 Amp.	2,6 Amp.
Power taken up	635 W	1032 W
Cos φ	> 0,98	0,98
Weight	4,0	4,2
Measures	477×232×190	556×232×190



FOR MORE INFORMATION CONTACT

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