

PHILIPS

Horticulture LED

GreenPower LED
interlighting



HORTICOOP
SCANDINAVIA A/S

The right light and energy efficiency for year-round production

Whether you are a high wire grower in the United Kingdom, Finland, Canada or France, get a better, more energy efficient lighting solution to grow right through the darker periods during the year. Based on input from growers around the world, our GreenPower LED interlighting allows you to grow and harvest fresh and flavorful vegetables and fruits year round, no matter where you are or what energy prices you face. Inter canopy lighting distributes LED light to the darker places, in between the high-wire crop. This proposition can be used in combination with natural sun-light available or supporting toplighting applications. Placing light between your plants lets you achieve the maximum value and return from your production and your electricity costs for lighting.

Plug and play system reduces installation costs

The interlighting system comes with an easy plug and play connector and just a few cables and accessories. Connect up to 64* interlighting modules with just one power connection, and save time, materials needed and installation costs, and bring the total cost of project installation down significantly. The complete system can easily be lifted with one meter at a time, because of the flexible cable connection which again will save time and hassle. With the sideways light distribution pattern, the leaves can optimally transform the light into growing more yield. The shape of the GreenPower LED interlighting module is designed to minimize maintenance.

Key benefits

- Boost production by applying the right light at the right spot with a system efficacy of up to 3.5 $\mu\text{mol}/\text{J}$.
- Minimize your energy costs by choosing the most efficient interlighting module for your situation.
- Reduce installation costs thanks to daisy-chaining and plug and play design.
- Easy to install and maintain.

* Based on a 300 $\mu\text{mol}/\text{s}$ - 400V application in Europe

Choose the best value for your situation



Placing lighting within the canopy of your high wire plants directs and focuses growth-stimulating light on the most vital part of the crop. You can then get the most out of your crop with a reduced energy usage during the complete lifetime of your interlighting.

To help you get the best solution for your situation, we offer two versions of the GreenPower LED interlighting system.

In case you are a grower and want to apply the highest amount of light possible and get the most yield possible, you would best install the GreenPower LED interlighting module version with 440 $\mu\text{mol/s}$ light output and a system efficacy of 3.5 $\mu\text{mol/J}$.

The interlighting module with 300 $\mu\text{mol/s}$ light output and 3.3 $\mu\text{mol/J}$ light efficiency gives you exactly what you need to increase your yields, when you are facing high energy costs, and can be especially beneficial for increasing yields of e.g. tomatoes and cucumbers, which are not affected by higher light levels.

The system comes in a 2 meter and 2.5 meter version, allowing you to tailor it to your specific situation and get a uniform light distribution right until the end of each row.

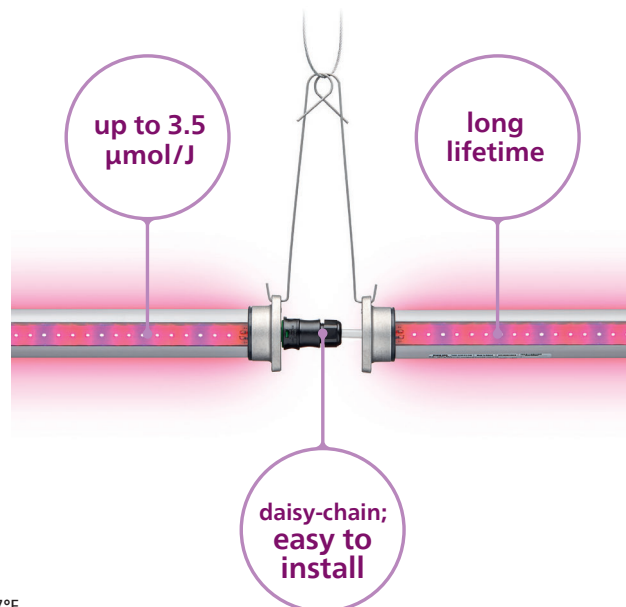
Spectral code		2.5 m / 98"		2.0 m / 80"	
		HO	EHO	HO	EHO
Typical photon flux	$\mu\text{mol/s}$	300	440	240	350
Power consumption (max)	W	92	126	74	100
Efficacy	$\mu\text{mol/J}$	3.3	3.5	3.2	3.5
Input Voltage ¹	VAC	200-400V	277-400V	200-400V	277-400V
Dimensions cap	cm	6.5 x 7.9		6.5 x 7.9	
Dimensions cap	inch	2.55 x 3.11		2.55 x 3.11	
Weight	kg	2.5		2.2	
Power factor		> 0.9			
Rated Average Lifetime ²	hrs	36000 L90			
Ingress protection rating		IP66 damp/dry			
Cooling		Passively air-cooled			
Approval marks		CE, UL/CSA, PSE			
Connector		Wieland RST20i3 Green			
Accessories		Full range of brackets available for easy and quick installation			

HO = high output (200-400V input)
EHO = extra high output (277-400V input)

¹ 50-60 Hz

² Lifetime and maintenance values are given at an ambient temperature of 25°C/77°F.

All measured lifetimes are industry standard measurements indicating average length of operation and not a performance claim specific to any individual product.



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Forhandler:



Tlf: +45 87 36 99 00
E-mail: info@horticoop.dk
www.horticoop.dk