

Lighting



Hortilux Schröder is a specialist in assimilation lighting for the greenhouse horticultural industry. They possess certain qualities that you will not easily find elsewhere. We are talking about knowledge, about a complete range of fixtures and reflectors, about experienced people and about extensive research and production facilities. This combination makes Hortilux Schröder the best supplier for your assimilation lighting.

BETTER LIGHTING ADVICE

Successful assimilation lighting starts with a well-considered lighting plan. Fixtures, reflectors, the pattern and the distance of the lamps and the crop must be optimally geared to one another. The effect of the assimilation light in combination with temperature, relative humidity (RH), CO₂ and nutrients, is a complicated process. With regard to this, calculations are still being made and studies are being carried out. What we are able to calculate however, is the maximum light technical output of a lighting system at the lowest possible costs.



With the introduction of the HS2000 lighting fixture, Hortilux Schröder has made a great move forward with regard to yield and reliability in operation. With its slim but sturdy housing and its double compartment the HS2000 is the most up-to-date fixture you will be able to find.

TECHNICAL SPECIFICATIONS		
	HS2000/400 Watt	HS2000/600 Watt
High Pressure sodium lamp	400 Watt	600 Watt
Electricity consumption (230V)	2.3 Amp	3.3 Amp
Voltage/frequency 50Hz	(220V) 230V (240V) 50Hz	(220V) 230V (240V)
(Av.) Power consumption	445 Watt	645 Watt
Tolerance lamp/VSA	± 5%	± 5%
Power factor (cos ø)	> 0.85 i	>0.85 i
Weight (incl.reflector and lamp)	± 9 kg	± 11 kg

	HS Remote		
Lamp type HPS Greenhouse	400W 230V	600W 230V	600W 400V
Energy consumption	2.30 Amp	3.30 Amp	1.85 Amp
Voltage / Frequency	230V 50 Hz	400V 50 Hz	230V 50Hz
Powerconsumption	445 Watt	645 Watt	645 Watt
Tolerance lamp/SA	Circa 5%	Circa 5%	Circa 5%
Power factor	>0.85i	>0.85i	>0.85i
Weight (remote body)	circa. 6.7kg	circa 8.7kg	circa 87kg
Weight (reflector & lamp & lamp holder)	circa 1.6kg	circa 1.6kg	circa 1.6kg



Subject to alteration

All fixtures meet the test specifications for professional cultivation under glass (ENEC, KEMA, insulation class I and IP classification for the body, IP43, and IP classification for the lampholders, IP23. In addition they also bear the CE mark. Different types of lamps, voltage and/or frequencies/filter chokes are available on request.

Fargro Code: To order





Deep Reflector

- Reflector made of high-quality aluminium with a very high output.
- Specially designed for a square pattern.
- Deep penetration of light into the crop.
- Suitable for 400/600 Watt.
- Can be cleaned simply and effectively.



Fargro Code: To order



Midi Reflector

- Reflector made of high-quality aluminium with a very high output.
- Specially designed for the modern greenhouse construction to allow you to work with one strand per bay in 8.00m and 9.60m bays.
- Remarkable performances also with 6.40m bays.
- Based on the standard sizes of 8.00 and 9.60m in the horticultural industry.
- Suitable for 400/600 Watt.
- Can be cleaned simply and efficiently.

Fargro Code: To order



Medium Reflector

- Reflector made of high-quality aluminium with a very high output.
- Designed for the more rectangular patterns.
- Base on the standard size of 6.40m in the horticultural industry.
- Suitable for 400/600 Watt.
- Can be cleaned simply and efficiently.

Fargro Code: To order



Wide Reflector

- Reflector made of high-quality aluminium with a very high output.
- Designed for the more rectangular patterns.
- To be provided with two different screen types to optimise the light distribution.
- Suitable for 400/600 Watt.
- Can be cleaned simply and efficiently.

Fargro Code: To order



Superwide Reflector

- Reflector made of high-quality aluminium with a very high output.
- Designed for the more rectangular patterns.
- Provided with a standard screen to optimise the light distribution.
- Suitable for 400 Watt.
- Can be cleaned simply and efficiently.

Fargro Code: To order