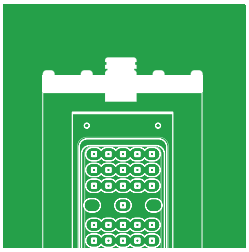
STIXX-SERIES

TOP LIGHT & UNDERCANOPY

SANlight STIXX-Series

Undercanopy & Toplight Solutuion.



Finest technology...

The SANlight **STIXX-Series** redefines flexibility in professional horticultural lighting. Developed for applications with limited space, the STIXX combines a slim, space-saving design with a module efficiency of up to **3.1 µmol/J.** Vertical farming and undercanopy lighting are the main use cases of the **STIXX-Series**; however, the luminaire can also be used as a conventional toplight.

The unique modular concept allows the lighting system to be perfectly adapted to any application. Depending on the individual setup, both low and very high light intensities can be provided to the plants — homogeneously and diffusely.

The optimized full spectrum of the luminaire is perfectly suited for lighting plants in both the vegetative and generative phases, ensuring vigorous growth and a healthy plant structure.

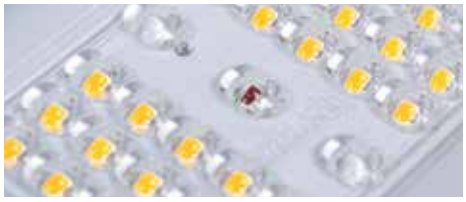
Thanks to its **IP68 protection rating**, it operates reliably and durably even in humid environments. The well-thought-out cabling system allows for easy configuration, daisy-chaining, and expansion — whether used as a single fixture, in a multi-layer array, or as an undercanopy solution.

Tested to the highest SANlight standards for **LM90 > 53,000 h**, the STIXX is built for longevity. Manufactured in Austria, it combines robustness, spectral precision, and modular efficiency — setting new standards in versatile plant lighting.

The SANlight **STIXX-Series** truly redefines flexibility in professional horticultural illumination.

JUST.FANTASTIXX

/ Top Light for Flowering



/ Best in class LED chips

/ Most flexible horticulture light

IP68 CERTIFIED

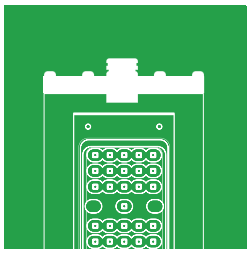
RoHS compliant CERTIFICATE

PASSIVE COOLING

SECONDARY OPTICS

CE CERTIFICATE

TÜV SÜD C US



The STIXX-Series

Flexible In Every Application.

The **STIXX-Series** delivers high light output with outstanding energy efficiency, making it ideal for both professional horticulture and demanding cultivation environments. Its modular design and versatile mounting options make the **STIXX-Series** a flexible solution for a wide range of applications — from veg andmother plant care to vertical farming and undercanopy lighting.

Top Light Veg & Mothers

The STIXX delivers an ideal spectrum and light intensity for vigorous vegetative growth, strong root formation, and compact plant structure. Its uniform light distribution supports perfect clone development and consistent growth of motherplants several levels.

Top Light Multitier

With its ultra-slim profile and passive cooling, the STIXX is perfectly suited for multilayer systems. Its IP65 protection, low heat emission, and modular connectivity enable high-density vertical farming without compromising light quality or plant health.

Top Light Flower

The STIXX can also be used as a toplight in flowering setups, allowing high-PPFD configurations that can be easily extended or scaled as needed.

Undercanopy & Intercanopy Lighting

Placed beneath or within the canopy, the STIXX enhances lower bud development and light penetration. By eliminating shaded zones, it boosts overall yield and plant vitality — ensuring consistent growth from top to bottom.

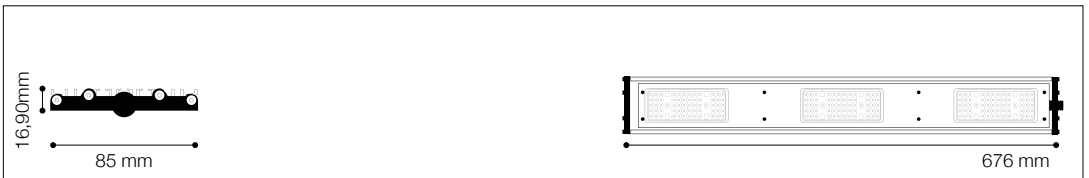
STIXX-Series
Models.

STIXX	X	-	XXX
Product Series.	Number of Light Modules.		Optimised for the Side Length of the Light Module.

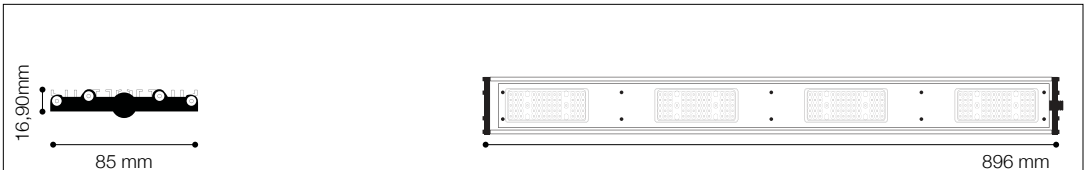
The **STIXX-Sereies** naming is alligned with the EVO-Series. The first number refers to the number of modules, the second number to the length of the luminaire. Example: The STIXX 5-120 is equipped with five modules and optimized for a length of 120 cm.

STIXX 2-60
(Item-No.: AA1110)
47W

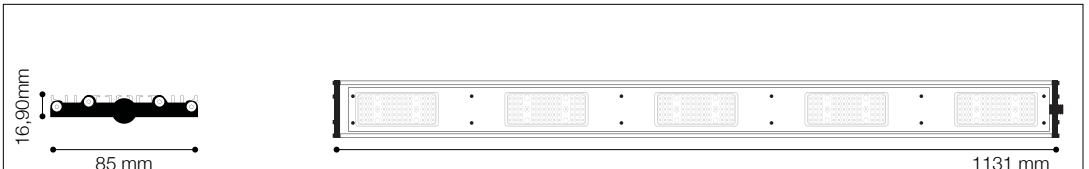
STIXX 3-80
(Item-No.: AA1110)
70W



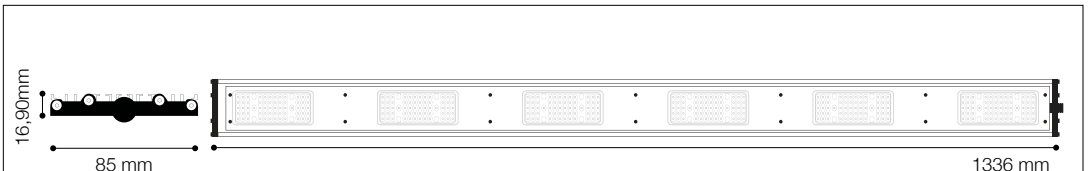
STIXX 4-100
(Item-No.: AA1110)
94W



STIXX 5-120
(Item-No.: AA1110)
117W



STIXX 6-150
(Item-No.: AA1110)
141W



Data Sheet
SANlight STIXX.

Electrical Properties

	STIXX 2-60	STIXX 3-80	STIXX 4-100	STIXX 5-120	STIXX 6-150
Typ. Power Consumtption. [W]	47	70	94	117	141
Power Factor	38	57	76	95	57
PPF [µmol/s]	127	191	254	317	381
Input Current [A] (DC)	1,25	1,25	1,25	1,25	2,5

Further Properties

	STIXX 2-60	STIXX 3-80	STIXX 4-100	STIXX 5-120	STIXX 6-150
Overal Length [mm]	476	676	896	1131	1336
Protection Rating	IP68				
Ambient Operating Temp. [°C]	5 -30				
Warranty [years]	3				
Light Maintenance >90% [h]	>53.000				

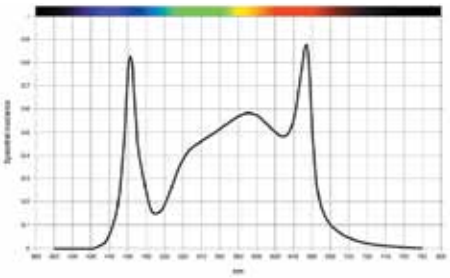
**in the emission wavelength range.*

The **STIXX-Series** was developed specifically for vertical farming and other applications where installation height is limited. Delivering between 200 µmol/m²/s and over 1500 µmol/m²/s, it enables optimal lighting for nearly any low-clearance setup.

With five different lengths ranging from 476 mm to 1366 mm, the **STIXX-Series** covers all common vertical rack formats as well as custom configurations. The light-steering secondary optics are precisely optimized for the luminaire's geometric dimensions, ensuring exceptionally uniform illumination at high PPFD levels. These asymmetrical optics also minimize photon loss during transmission to the plant canopy and protect the LEDs from environmental factors common in plant cultivation. Substances such as sulfur and other chemicals cannot penetrate the LED, preventing oxidation and ensuring long-term performance.

Like all SANlight luminaires, the **STIXX-Series** is built using only carefully selected, state-of-the-art components. Manufactured in Austria, it represents best-in-class quality for professional growers.

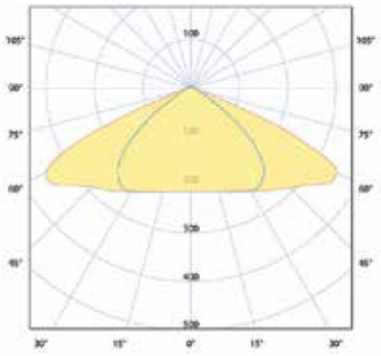
A global innovation, the **STIXX-Series** introduces a new level of flexibility in connectivity, power supply, and control. Single luminaires can be added or removed freely within a system — all powered by a single external driver. This allows for maximum customization and adaptability as your setup evolves.



Light Spectrum

The **STIXX-Series** features a carefully balanced full-spectrum white light with a strong red component around 660 nm, optimized for vigorous vegetative growth and healthy plant morphology.

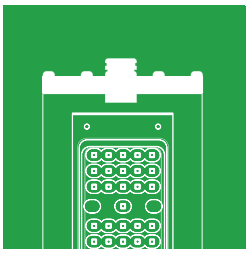
With a color temperature of approximately 3800 K and a high color rendering index (CRI 90+), it provides both excellent photosynthetic efficiency and true-to-life color perception, allowing precise visual inspection of plants.



Light Beam

Designed for close-distance use, the **STIXX-Series** operates with a beam angle of 120°, ensuring exceptionally even light distribution with minimal hotspots or shading.

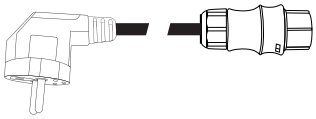
This wide beam enables homogeneous canopy illumination — ideal for vertical farming racks, VEG tables, or undercanopy lighting where uniformity and spectral consistency are crucial.



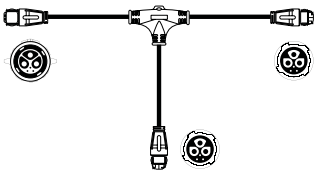
SANlight STIXX
Accessories.

The SANlight STIXX accessories provide everything you need to make your lighting solution even more flexible and efficient. With a selection of high-quality cables, hanging systems, and dimming solutions, you can customize the **STIXX-Series** to perfectly suit your individual needs.

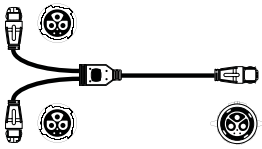
Power Supply Cable Straight
(Item-No.: AI0027)



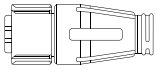
T-Connector
(Item-No.: AI0041)



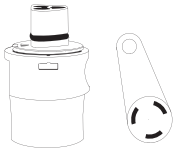
2-Way Splitter
(Item-No.: AI0021



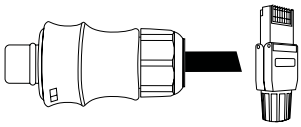
STIXX End Cap
(Item-No.: AI0023)



M & BT-DImmer
(Item-No.: AB0007)
(Item-No.: AB0006)



RJ-45 & 12 DImmer
(Item-No.: AI0059)
(Item-No.: AI0058)



Extension Cables
(Item-No.: AI0022)
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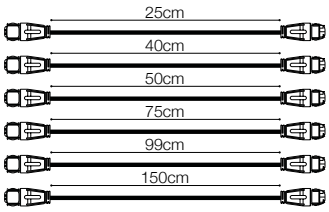
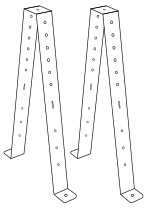
(Item-No.: AI0022)

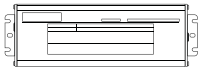


Undercanopy stand
(Item No.: AI5203)

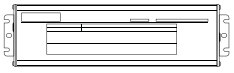


STIXX 2 Drivers
(Item-No.: AI5100 - 160W)
(Item-No.: AI5105 - 270W)
(Item-No.: AI5109 - 530W)

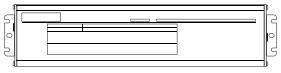
STIXX 3-6 Drivers
(Item-No.: AI5101 - 200W)
(Item-No.: AI5102 - 240W)
(Item-No.: AI5106 - 320W)
(Item-No.: AI5110 - 610W)
(Item-No.: AI5113 - 910W)



STIXX 4 Drivers
(Item-No.: AI5103 - 215W)
(Item-No.: AI5107 - 400W)
(Item-No.: AI5111 - 610W)
(Item-No.: AI5114 - 910W)



STIXX 5 Drivers
(Item-No.: AI5104 - 250W)
(Item-No.: AI5108 - 400W)
(Item-No.: AI5112 - 610W)
(Item-No.: AI5115 - 910W)



Smart Driver Technology

The World's First Modular LED Driver System

SANligth Smart Driver Technology

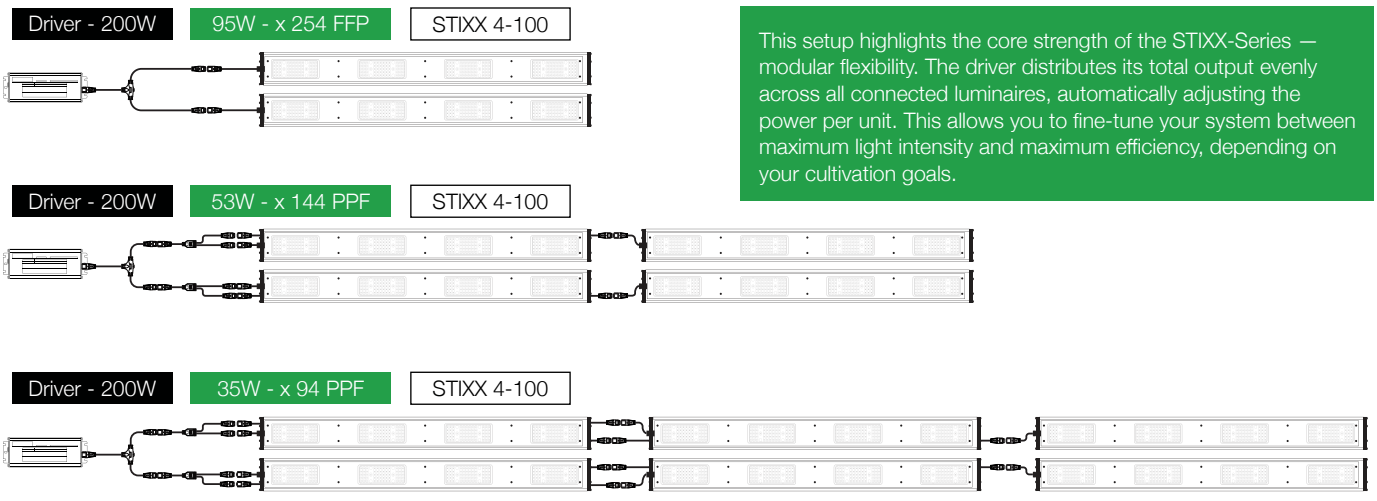
With the **STIXX-Series**, SANlight introduces the world's first modular driver concept. By combining LED drivers and luminaires, you can define both the maximum system output and the efficiency of your setup — making it adaptable to virtually any application.

Function

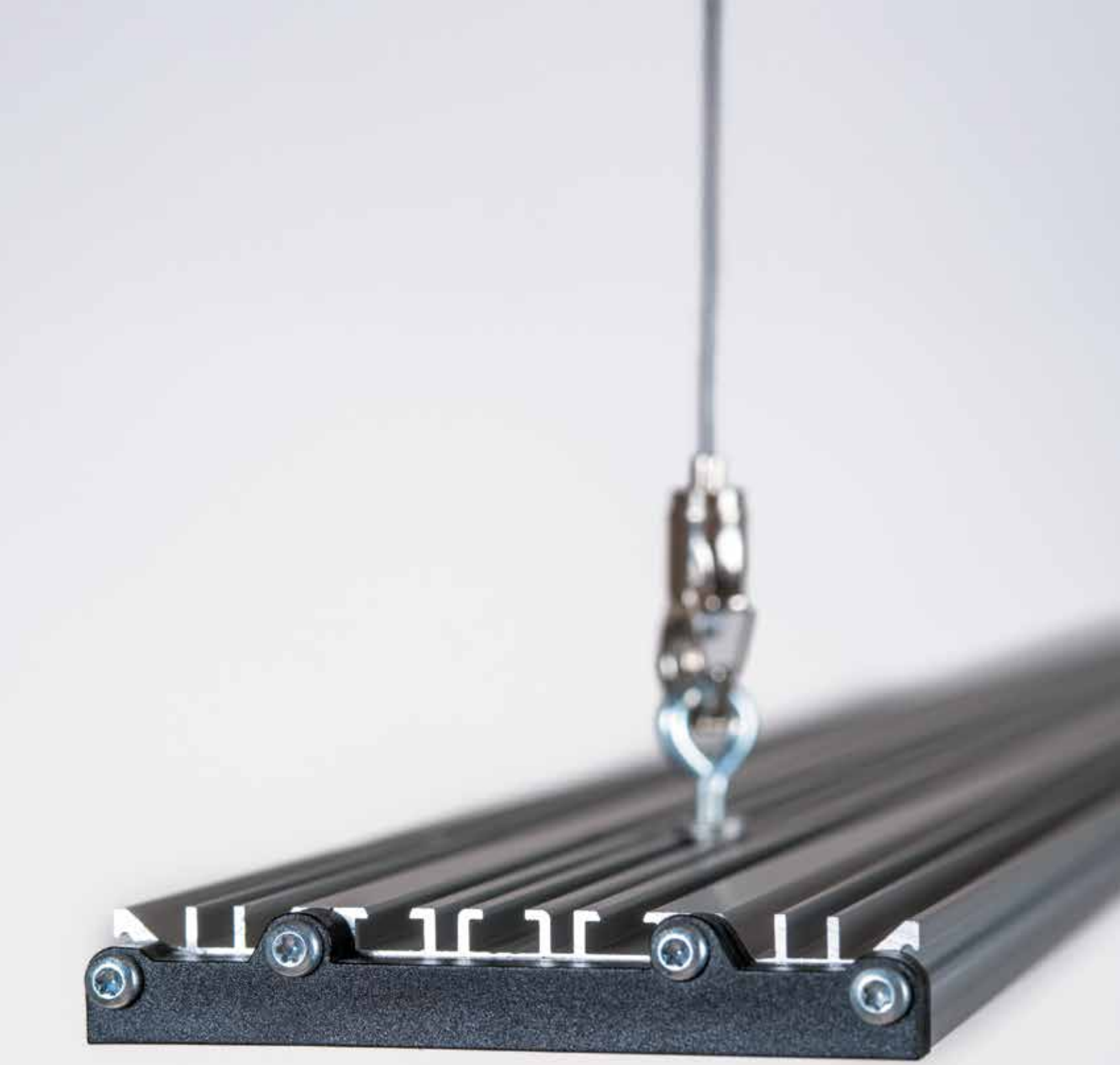
If the driver's total output power is equal to or greater than the combined power consumption of all connected luminaires, each fixture automatically operates at its nominal current, ensuring maximum light output per luminaire. If, for example, one luminaire is disconnected, the driver immediately detects this and adjusts the output current accordingly — guaranteeing that no luminaire is ever overloaded.

If, however, the total nominal power of all connected luminaires exceeds the driver's rated output, the operating current — and therefore the output per luminaire — is reduced. As a result, system efficiency increases.

By choosing the appropriate driver model and the number of connected luminaires, you can freely define the maximum output and efficiency level of your lighting system. In a propagation setup with limited height, for instance, you can install many small light sources and supply them with exactly the amount of power you need. In other words, you only pay for the power you actually use.



This setup highlights the core strength of the STIXX-Series — modular flexibility. The driver distributes its total output evenly across all connected luminaires, automatically adjusting the power per unit. This allows you to fine-tune your system between maximum light intensity and maximum efficiency, depending on your cultivation goals.



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