

LED50

Sustainable high wear area LED grow light

The accessible LED grow lighting system perfectly suited for high wear areas.

Why use the LED50?

- Compact and easy to operate
- Superior performance in all climates
- Most effective and energy efficient light spectrum
- Independent control over light and heat
- Suitable for all grass sports surfaces

When to use the LED50?

The LED lighting fixtures provide a high level of the most efficient light spectrum, enabling photosynthesis on high wear areas when natural sunlight is not sufficient. Independent control of light and temperature makes that the exact amount of heat can be added when temperatures are too low for optimal grass growth. This feature ensures perfectly balanced growing conditions in all climates throughout the year, with the least possible energy input.

How to use the LED50?

Use the integrated Smart box to set the required temperature and timer for optimal performance of the lights. The SmartBox logs operational data, such as position, running hours and electricity consumption for maximum insight and control.

SGL LED technology

Our unique LED-technology and Infrared radiation are designed from scratch. Decades of research and experience across the globe in every climate have resulted in state-of-the-art LED-technology. Our LED fixture has the widest light spread available. Therefore, less fixtures are required, which results in a lightweight and accessible lighting system. On the basis of extensive research and field study, the most effective and energy efficient light spectrum was created for our LED lighting systems. The spectrum is optimized for both leaf and root growth, plant recovery and plant resistance. At the same time, the spectrum consumes as little energy as possible.



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All managed from your Portal

Our products are connected to the SGL Portal. It is your management tool and gives you full control over your pitch. The Portal displays all available data and enables you to improve efficiency and quality of use of resources. Configure your products with the additional Assist modules to get the most out of your system.

Technical specifications

Lighting footprint	50 square meters
Light level	345 $\mu\text{mol}/\text{m}^2/\text{s}$
Dimensions	L 9 m x W 1.9 m x H 1.5 m
Weight	395 kg
Number and types of LED fixtures	9 x SGL LED1 Advanced Pitch Light
Number and types of IR fixtures	8 x SGL IR850 PitchPro
Plug	1 x 32 A Mennekes (3P+N+E) 400 V
Consumption per electrical plug	20.5 A
Energy consumption	1 x 14.2 kW



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Get the most out of your system

Add Assist modules

- ProductConnect
- Lighting Advice
- Weather Forecast
- Automated alerts
- Customised alerts

- Performance tracking
- Maintenance tracking
- Custom registration
- Agronomical support

Add features

- SmartBox
- Infrared heating

