



*Stadium grow lights and turf care equipment*



*The most competitive and advanced systems*

## What are HPL grow lights modules?

An innovative system of artificial lighting, designed to improve the growth of natural and mixed-synthetic grass in football stadiums and playgrounds in general. It is in fact a new modular structure, designed and made entirely in Italy, composed of moveable gantry made of light alloy 6060 and equipped with OSRAM CHIP LED fixtures and IR heaters, capable of emitting a homogeneous light with optimized spectrum, which is useful to promote grass growth and strengthening roots, in particular for periods of low sunlight irradiance (late winter, autumn, early spring) and in the presence of shaded areas. The system also provides a turf heating that favors the melting of snow (up to 5cm) and ice during the coldest periods and an increase in ground temperature.

The structures were designed to combine a good dimensional stability and resistance to weathering with high lightness, which facilitates the handling on and off the pitch and greatly decrease the footprint.

### ► HPL-LED 440 module

This module covers up to 440 square meters and it is indicated for large areas treatment (1/8 of half of a football pitch) and it's composed by 4 rows of lamps placed on recloseable supports by a patented opening/closing mechanism, that allows to easily close the machine, reducing the clutter to a minimum useful to be able to easily transport the module outside the pitch and store it in rest areas. HPL mover optional system

### ► HPL-LED 130 module

This module is suitable for the side bands or longer areas up to 130 square meters. It is composed of a 9-meter long central body and 2 hinged wings that allow the machine to extend up to 20 meters in length. Its ease of use and lightness make it an excellent tool for treating the side bands of the field and the goal areas

### ► HPL-LED 50 module

This is a single module composed by a movable gantry and one row of lamps for the localized treatment of small areas (50 square meters) with more severe problems (ex.: near soccer goals, green areas).



## What are the advantages of buying HPL modules?

- Improvement and maintenance of turf even in the toughest conditions, even in very closed stadiums with shadowing problems
- Very light, the footprint is significantly reduced
- Easy positioning, use and storage
- Entirely made in Europe with high quality and efficiency standards
- Cutting-edge technologies and quality components: all our machines have customized electronics, designed with the highest quality standards.
- SMART systems: mini computers on board regulate in real time the functionality of the LED lighting and IR heating systems in order to regulate the microclimate and guarantee optimal growth parameters without wasting energy
- Top price/quality ratio: our systems are the most convenient in the world, compared to the quality and technology offered
- Fast and reliable technical support

## Service and maintenance

HPL modules are guaranteed for 2 years, with immediate replacement of the faulty components with regard to:

- Mechanical defects.
- LED fixtures and drivers
- Electrical components





## HPL Grow lights main features

### HPL LED 440

Module composed by 4 rows of lamps,  
Length x Height: 12,42 x 2,43 m  
Retracted width: 2,30 m  
Open form width: 16,80 m  
Treated area: 440 mq

### HPL LED 130

Length x Height: 9 x 2,45 m  
Open form width: 19,80 m  
Treated area: 130 mq

### HPL LED 50

Length x Height: 9 x 2,45 m  
Treated area: 50 mq

## Turf care accessories

The range of products is completed with various articles useful for turf care. We have devices for controlling and monitoring the vital parameters of the grass and its state of health, systems for reducing temperatures in the field and air recirculation, as well as radiant covers for the turf.

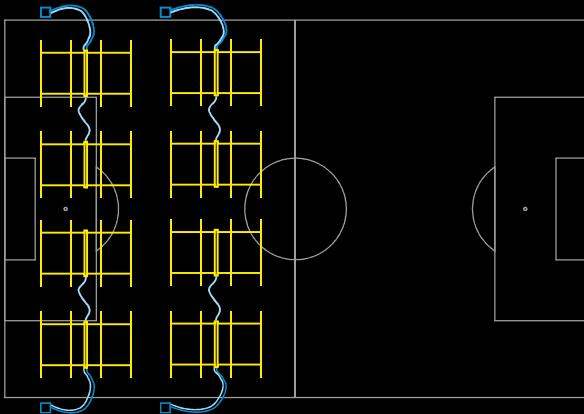
### ► HPL TURF FAN Cooling system

During the hottest periods and especially in stadiums with more important coverings and poor air circulation, this tool becomes very important to lower the temperatures of the turf, prevent diseases and increase air recirculation. The turf fan supports a pressure of up to 15 bar, an air flow of up to 9000 m<sup>3</sup>/h and a water flow of 65 l/min.

### ► HPL TURF POD Analyzer

The Turf POD is able to constantly measure the parameters of humidity, conductivity, pH, nitrogen, phosphorus, potassium of the turf, in order to provide groundsmen with a clear picture of the health of the field. All the parameters detected can be consulted via the HPL portal in real time and recorded for historical viewing. Thanks to the GPS tracking of these devices, it is possible to use multiple turf pods on the field in order to monitor the various areas of the field

positioning scheme half pitch coverage



## HPL remote

Through the HPL portal it is possible to monitor the operation in real time and verify the correct positioning of the modules in the field. The information collected by the various sensors, as well as the history of the operating cycles and in pitch positioning, are very useful data for ground managers for the management of maintenance. At any time it will be possible to verify the operating status of the machinery, view the history of all the parameters collected and manage the operation, also according to the calendar of sporting events.

With the combination of the "HPL Grass Care POD" the system will be able to evaluate the conditions of the field and make a forecast of possible problems as well as suggest to the user the areas to be treated

## Details and certifications

The portal is designed to withstand the loads statements in accordance with the Machinery Directive 2006/42/EC EEC (CE mark). The NDT are performed by qualified level II from RiNa (Italian Naval Register). The product is designed and manufactured in Italy according to ISO 9001 2008 and ISO 3834-2 2006 and covered by international patent.

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DataTronix S.r.l.

The design is carried out entirely by Mechanical Engineer Registered in Milan



HPL remote for parameters and working mode control



# HPL



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