



**STICH<sup>®</sup>**  
Professional Floodlight Solutions



## Floodlights

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[www.flutlichtanlagen.at](http://www.flutlichtanlagen.at)



## The company

Since the installation of the first floodlight system in 2001 at the Bleiberger Wölfe sports ground, over 800 floodlight systems have been implemented, with a wide variety of projects already carried out in Europe and Asia.

All lighting requirements can be covered. Experience has already been gained from football training grounds to UEFA-suitable showpiece stadiums. As a partner of the FIS (International Ski Association), some top-class World Cup ski slopes and ski jumps have already been equipped with high-quality floodlights. But various other sports areas, such as tennis, ice hockey, football pitches, various halls, etc., have already been optimally illuminated.

As a first-hand contact, STICH® offers all customers an all-round service.

Regardless of whether you are renovating an existing training facility or building a new Bundesliga stadium, STICH® offers every customer free, non-binding and best possible advice.

## Your way to the new floodlight system

### Your request

Pre-designed inquiry forms make your inquiry easier. This way, we receive all relevant information to create a tailored offer.

### On-site appointment

We offer non-binding, free advice directly at the sports grounds.

### Offer preparation

Based on your specifications, we will prepare a comprehensive and customized proposal, including a precise lighting calculation, tailored to your specific requirements.

### Conversations, negotiations

Discussions regarding awards typically occur prior to the formal issuance of the contract.

### Construction of the facility

If requested, our assembly team will carry out all work, from foundation construction to light measurement.

### Follow-up care

Service work, measurements, spare parts deliveries





## FLOODLIGHTS LED PH

### STICH® - OptiVision LED gen3.5

Protection class:	IP66
Protection class:	I
Colour temperature:	5.700K, 4.000K or 3000K
Weight:	max. 31,5kg
Wind attack surface:	ca. 0,30m <sup>2</sup> including driver

### Highlights

The headlights meet the highest performance standards, offer excellent light quality and guarantee safety and visual comfort.

Immediate restart, programmable lighting levels based on actual needs and adaptation to customer-specific needs are just a few examples.

### Advantages

Excellent scattered light control and minimal light pollution thanks to integrated glare hoods.

Advanced system controls allow for additional energy savings.

Reduction in maintenance costs due to the extended lifespan of LED technology.

We would be happy to prepare your offer in both conventional and LED versions, allowing you to make a direct comparison.



## Flutlichtleuchten LED SL

### STICH® - SmartArena

Protection class: IP67  
Protection class: I  
Color temperature: 5.700K, 4.000K  
oder 3000K

#### **SOLO**

Weight: from 5kg  
Wind exposure area: ~ 0,065m<sup>2</sup>

#### **QUATTRO**

Weight: from 20kg  
Wind exposure area : ~ 0,26m<sup>2</sup>

### Highlights

Due to its compact design, the spotlight is ideal for all types of retrofitting.

The spotlight is available with several dimming systems:

Basic – no dimming

Advanced – dimming at the push of a button

Performance – dimming via DMX

### Advantages

With the newly developed DLC system, the light is confined exclusively to the designated area.

Energy savings through optimized LED technology.

Reduction in maintenance costs thanks to long-lasting LEDs.



We would be happy to prepare your offer in both conventional and LED versions, allowing you to make a direct comparison.

## Environmental and nature conservation

Depending on the position of the environmental authority, specific requirements may be imposed for the approval of lighting systems. In this context, we refer to the relevant standards and guidelines, such as ÖNORM EN 12193 and ÖNORM O1052 (Austria), the LAI publication (Germany), as well as the requirements set forth by the respective football association.

### Conditions can be:

- Use of LED headlights
- Specification regarding the UV content
- Color temperatures of 3000 Kelvin or less
- Full-cut off floodlight technology (blind grid)
- Limited headlight surface temperature
- Light emission specifications for objects and nature (e.g. riverbeeds)
- Glare requirements for residents or traffic
- Maximum permitted light point height
- Poles in specified RAL tone (pole color)

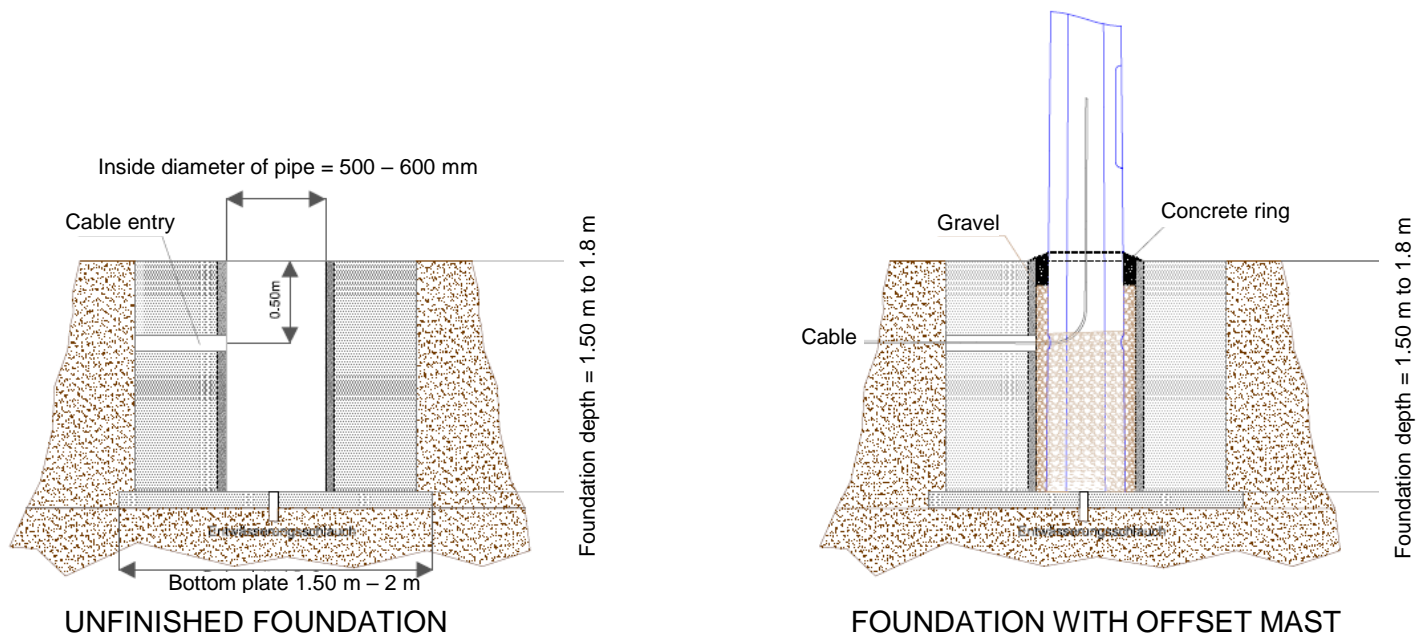
With several decades of experience in the field of lighting technology, we guarantee that all regulatory requirements and standards are met. All calculations related to lighting, light emissions, and glare are carried out internally by our qualified lighting technicians. Furthermore, our close collaboration with the relevant authorities ensures continuous communication regarding updates and changes in legislation.



## Pole foundation

Sample statics are supplied with the poles, which are intended to serve as a basis for the construction company carrying out the static calculations. Ground pressure and wind load are specified here.

The foundation locations are determined together with the client in coordination with the lighting calculations. In most cases, bucket foundations are used, with the pole base being inserted 1.5m – 2m deep into the foundation, depending on the poles.

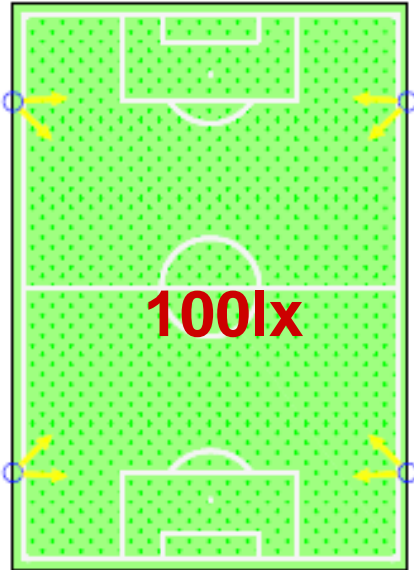


We are also happy to offer you our prefabricated foundations. The advantage is clearly in the ease of handling; all you have to do is excavate and the foundation can be placed on a clean layer. The foundation plate is then filled with the excavated earth and compacted several times.

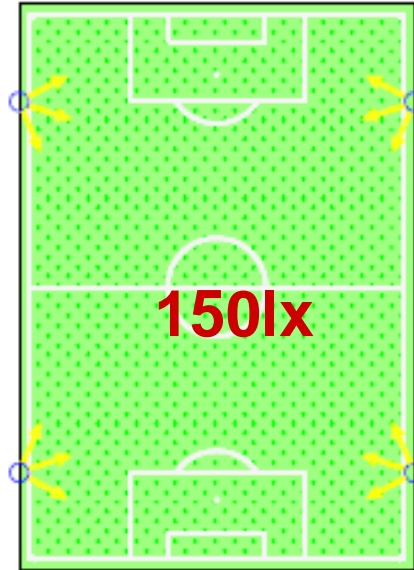
After placing the order, each of our customers receives either our foundation sample statics for self-assembly or our prefabricated foundation instructions for easy installation.



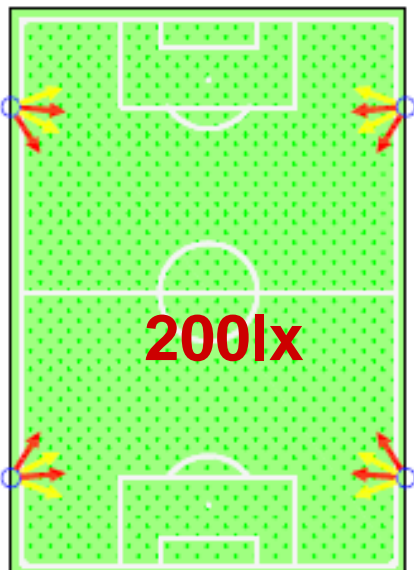
## Examples of illumination levels



**100 lx =**  
4 poles with light point heights of 16m / 18m  
8 pcs. LED headlights and electrical components



**150 lx =**  
4 poles with light point heights of 18m  
12 pcs. LED headlights and electrical components



**200 lx =**  
4 poles with light point heights of 18m  
16 pcs. LED headlights and electrical components



**250 lx =**  
4 poles with light point heights of 18m  
20 pcs. LED headlights and electrical components

**Attention! Thanks to new lens technology, the number of LED lighting changes depending on the size of the field!**



## **Our modular system – self-construction made easy!**

The experience gained from the installation of over 800 floodlight systems is incorporated into the development of our floodlighting projects and components. Customized installation modules equipped with main terminal blocks, circuit breakers, safety relays, sockets, and fully pre-wired form the core of the system.

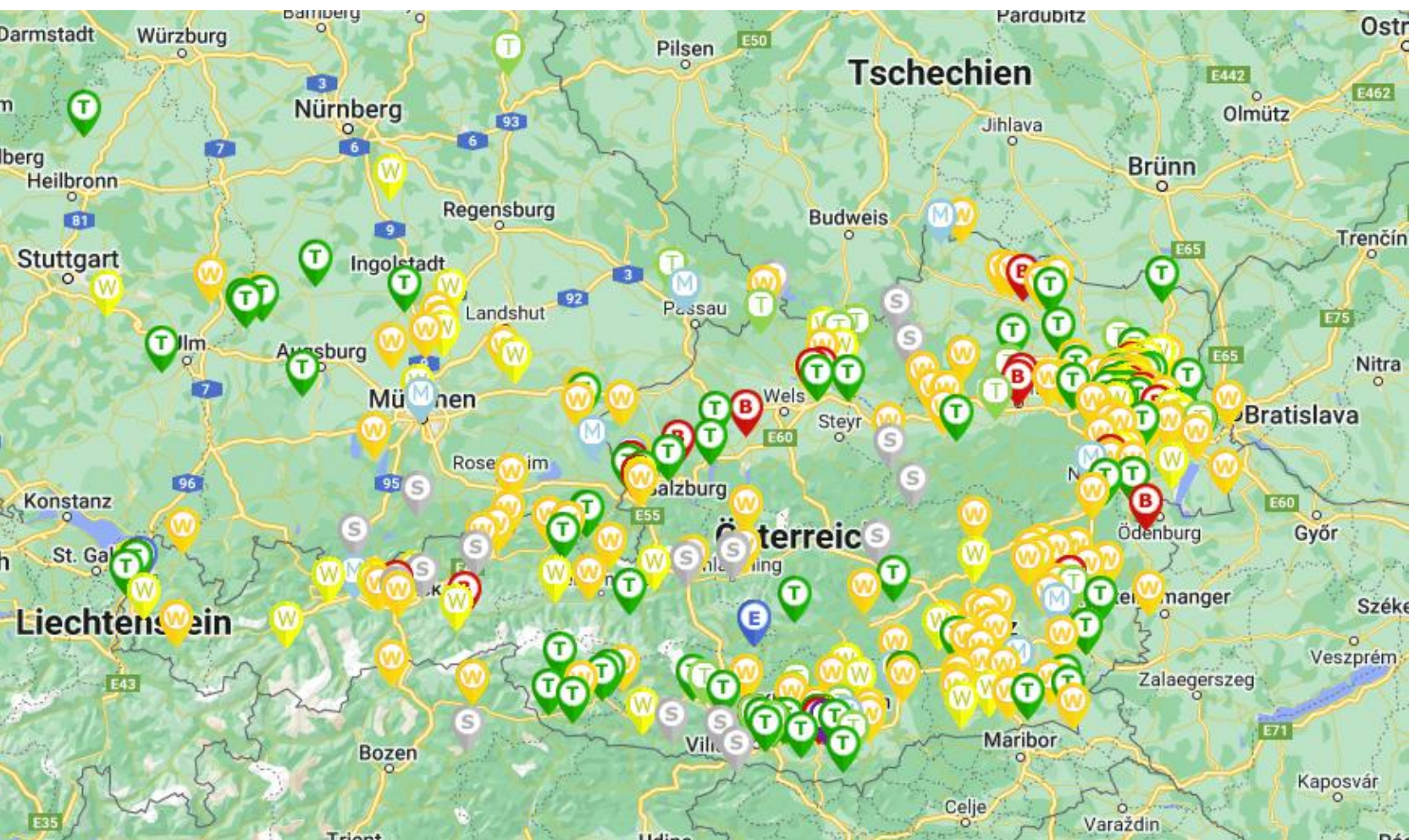
These pole installation boxes including the LED operating device unit are installed in the area of the lowest pole door.

The pre-configured mast cables and, if necessary, control cables (e.g., DALI/DMX) only need to be plugged into the corresponding labeled sockets to activate the LED floodlights. Subsequently, the ground cables are connected to the main terminal block and linked to the distribution board. After connecting to the power supply, the floodlight system is fully operational."

### **Kit consists of:**

- 4 pcs. floodlight poles with rungs and traverse, mast cap
- LED headlights, the number of pieces is determined according to the light calculation
- Lamps for flat surface spotlights
- Operating device unit LED
- Pole installation box
- Pole cable set pre-assembled with plug and ferrules
- Floodlight sub-distributor with control tableau
- Control cable, earth cable, stainless steel round electrode, cross terminals, cable warning tape
- Assembly instructions, video instructions
- Or upon request with the provision of an assembly manager

## References



Our interactive reference card can be found at:

[www.flutlichtanlagen.at/referenzen](http://www.flutlichtanlagen.at/referenzen)

You are welcome to check out our expertise at any club your area.

The tailored inquiry form can also be found on our homepage:

[www.flutlichtanlagen.at/anfrage](http://www.flutlichtanlagen.at/anfrage)

We would be pleased to offer on-site consultation and provide you with a complimentary proposal, including a detailed lighting calculation.



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Chamber membership:	Wirtschaftskammer Österreich / Kärnten
Regulatory authority:	Bezirkshauptmannschaft Villach

**STICH®** – *Your qualified partner*

**Floodlight systems and lighting solutions**

Errors and changes excepted.