

# LASER+

**iN**

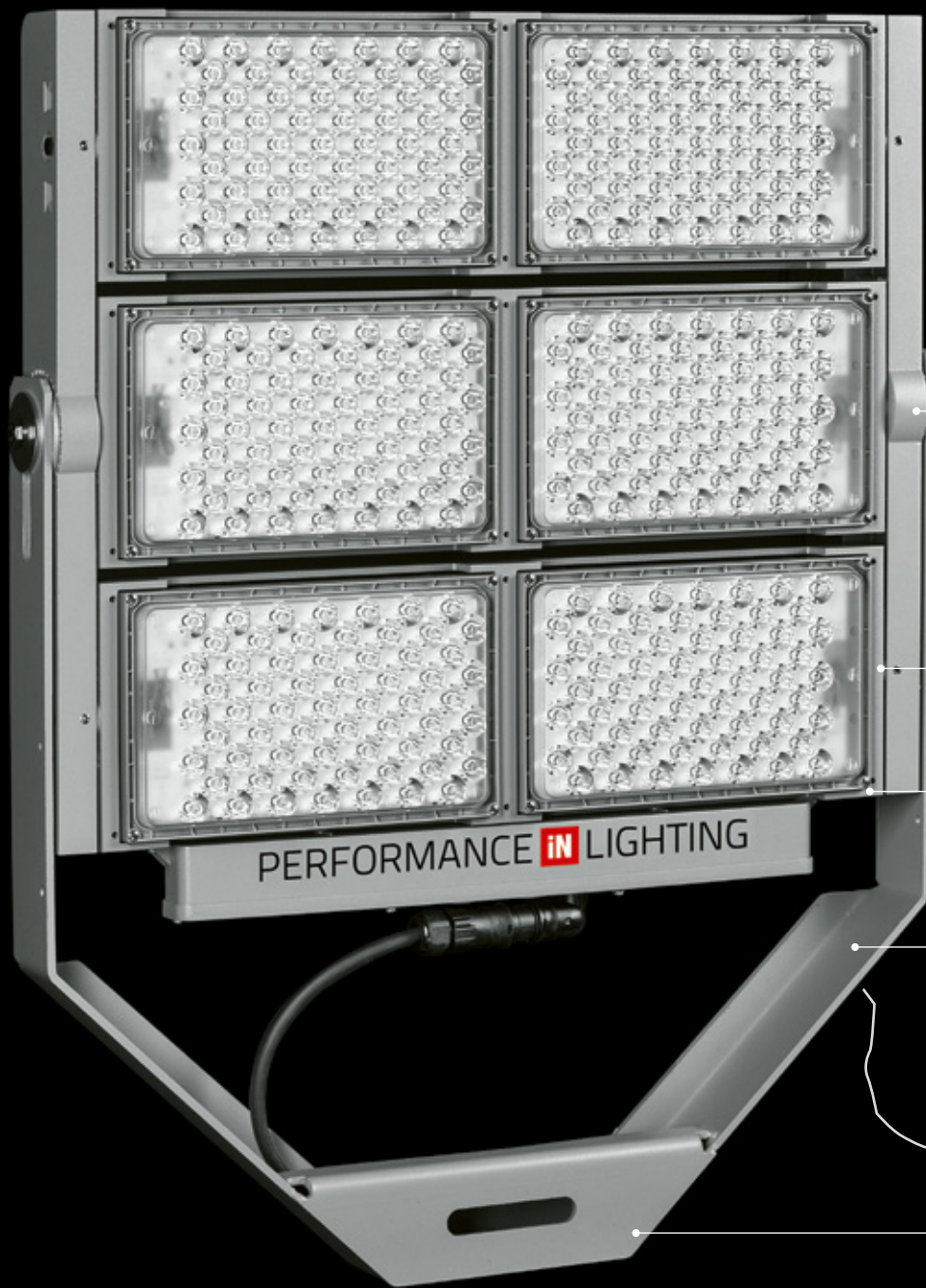


PERFORMANCE **iN** LIGHTING



# LASER+

design Giorgio Lodi



HD

Die-cast aluminum bearing structure painted with polyester powder coating after chemical conversion treatment of the surface

One-piece (no joints) wear-resistant silicone seals with high levelling capacity, high resiliency and high heat resistance

Stainless steel external screws

Hot galvanised and polyester powder coated steel bracket

The stainless steel bracket ensures mechanical solidity over time, preventing crushing collapses that may occur with aluminum alloy solutions

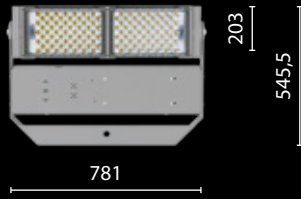
## Highlight the performance

Thanks to its advanced technology and meticulous design, LASER+ is the ultimate solution for professional and sport lighting.

LASER+ is broadcast ready and is ideally conceived for lighting of large areas, stadia, warehouse areas, airports and sea terminals.

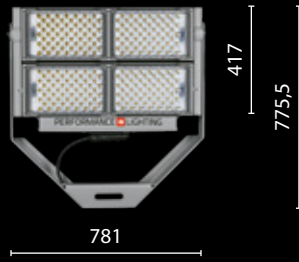
It features extremely high performances and application flexibility thanks to its individually rotatable modules.





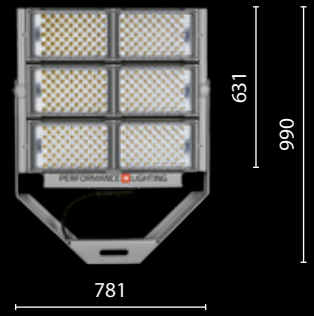
### LASER+ 10

max 90.500 lm  
 max 542 W  
 EPA front max 0,34 m<sup>2</sup>  
 max 25 kg



### LASER+ 20

max 177.000 lm  
 max 1.060 W  
 EPA front max 0,37 m<sup>2</sup>  
 max 29 kg



### LASER+ 30

max 265.800 lm  
 max 1.592 W  
 EPA front max 0,5 m<sup>2</sup>  
 max 38 kg

The LASER+ 10 version integrates the control gearbox, placed in a painted, sheet metal compartment.

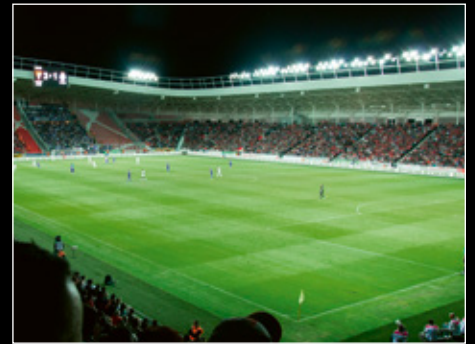
## TRAINING



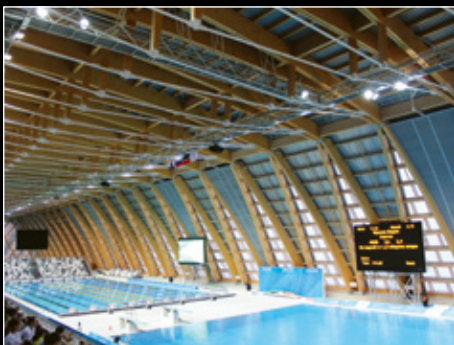
## SPORTS ARENAS



## STADIA



## WATER SPORTS



## PORTS



## AIRPORTS



## FAÇADES



## PARKING LOTS



## LARGE AREAS





# Optics

**C/I**  
circular optics



10° 13° 16°

**A/W**  
asymmetrical optics



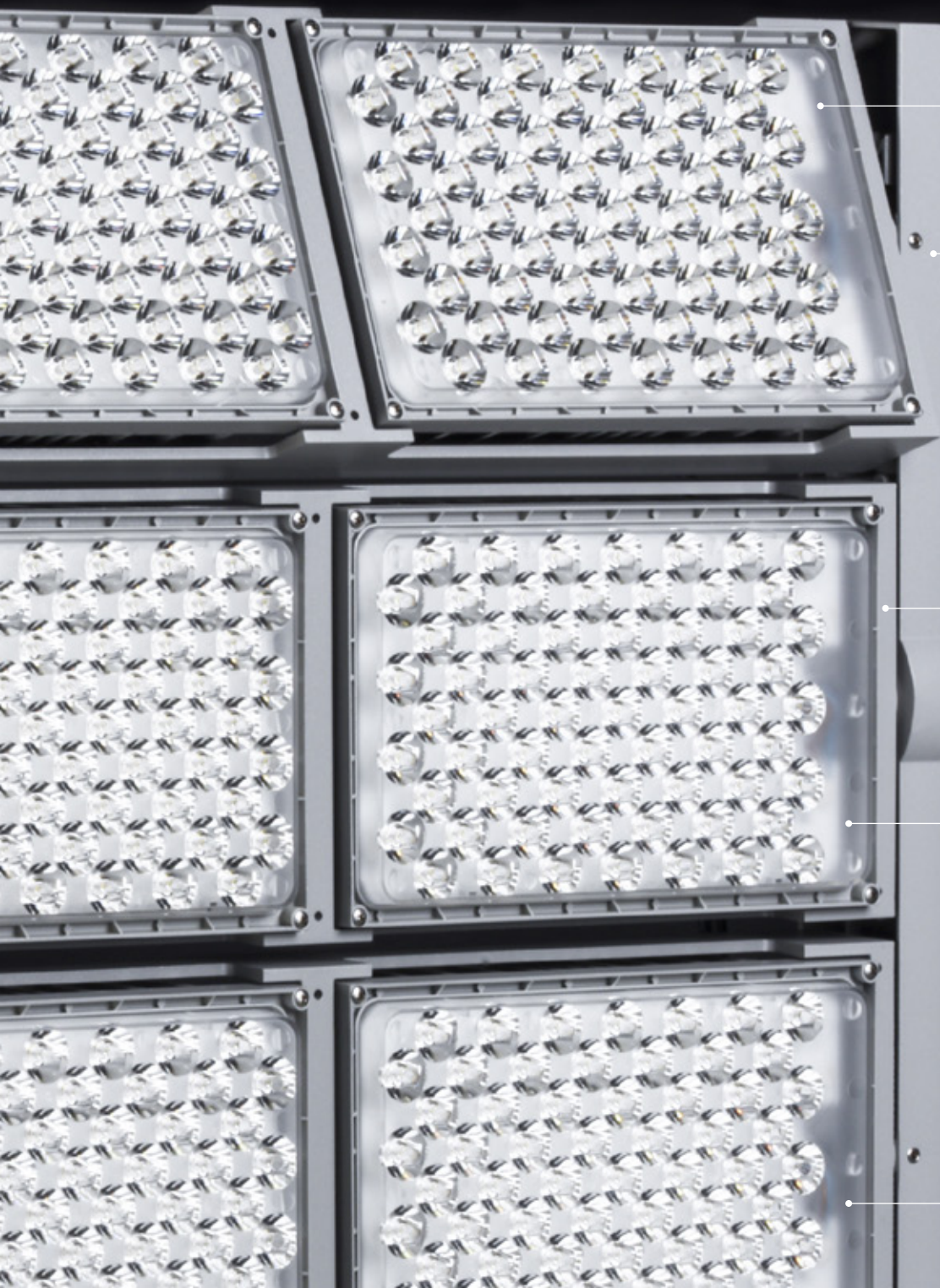
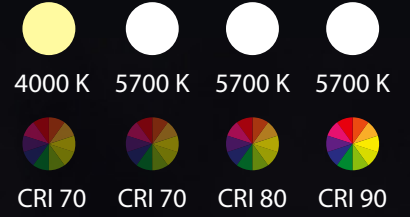
IMAX 35° IMAX 50° IMAX 60°

**ELL**  
elliptical optics



10°x25° 15°x34° 30°x45°

**LED**



Independent and separate LED modules to optimize heat dissipation

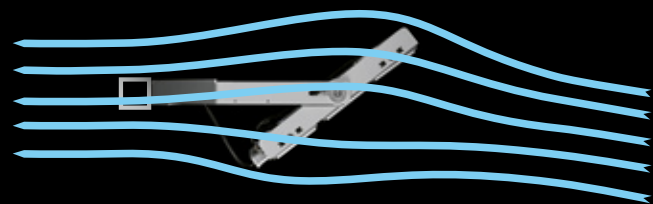
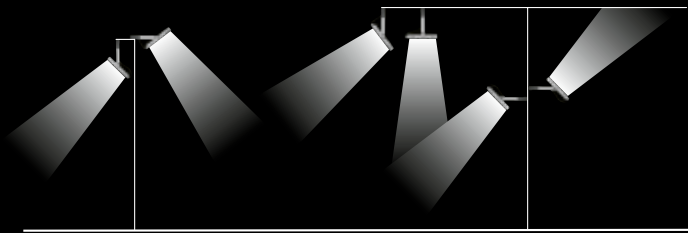
Set screws lock the rotation of each adjustable module

High-transparency polycarbonate optical lenses for best light transmission

Light beam obtained by the combination of multiple LED modules

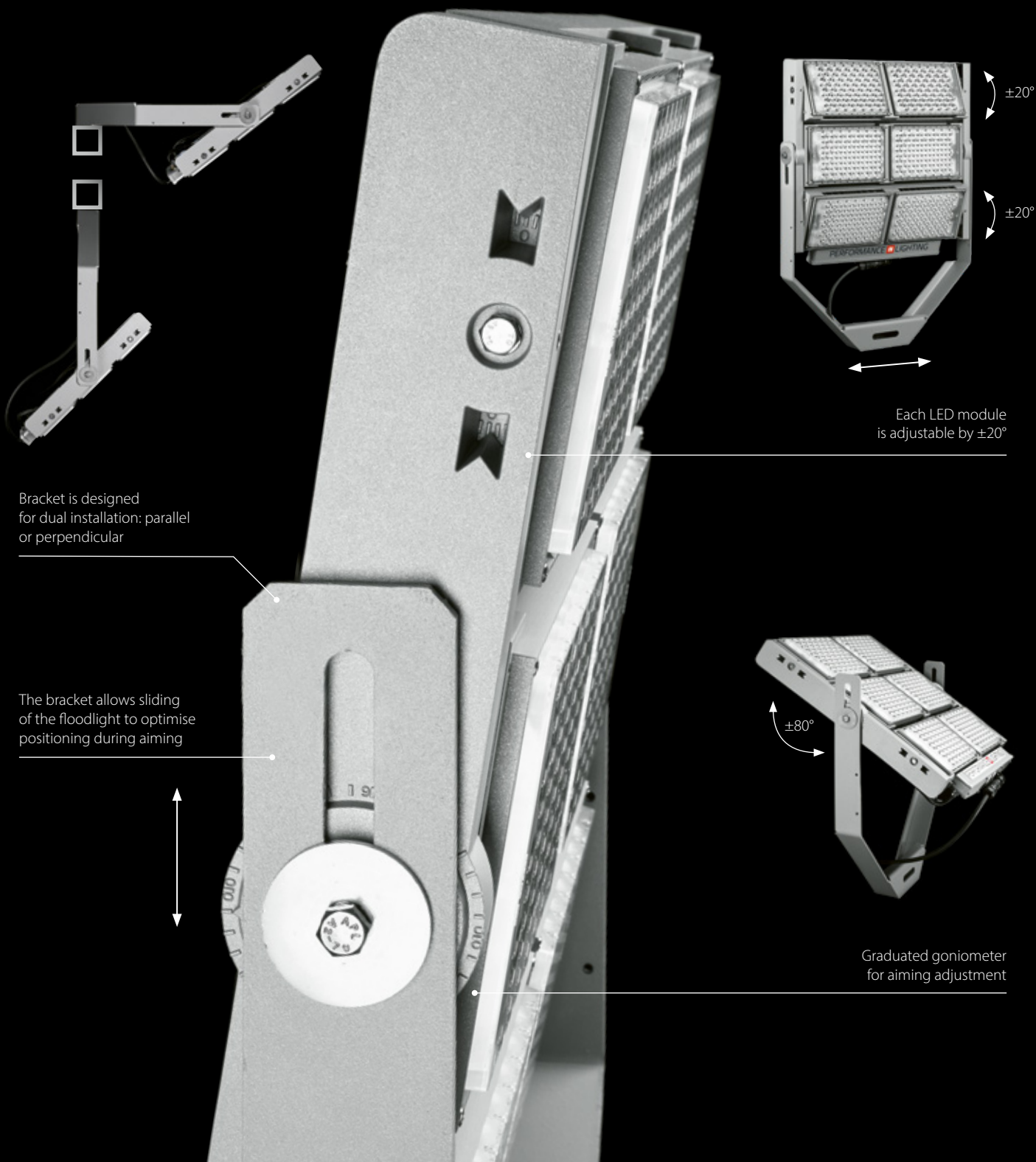
Diffuser with integrated optical lenses in UV, heat stabilised, transparent techno polymer

# Aiming regulations



For UP LIGHT installation, consult factory

Wind resistance can be minimised by adjusting the inclination of the fixture



Bracket is designed for dual installation: parallel or perpendicular

The bracket allows sliding of the floodlight to optimise positioning during aiming

Each LED module is adjustable by  $\pm 20^\circ$

Graduated goniometer for aiming adjustment

$\pm 80^\circ$

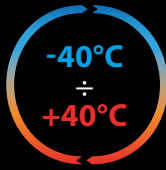
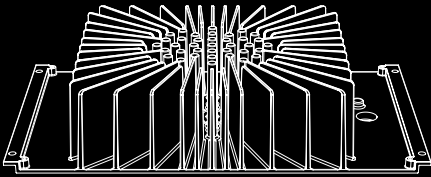
$\pm 20^\circ$

$\pm 20^\circ$



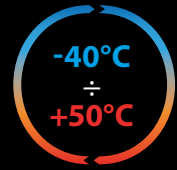
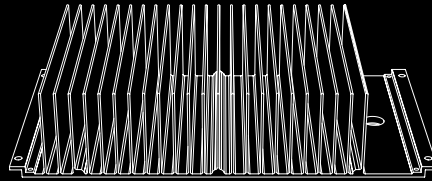
# Thermal studies

## TA STANDARD

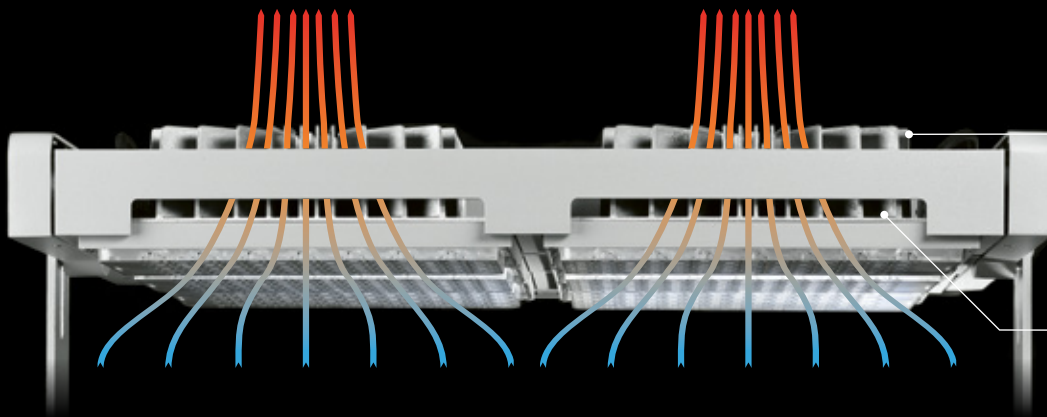


High efficiency heat sink made in die-cast aluminum

## TA EXTREME

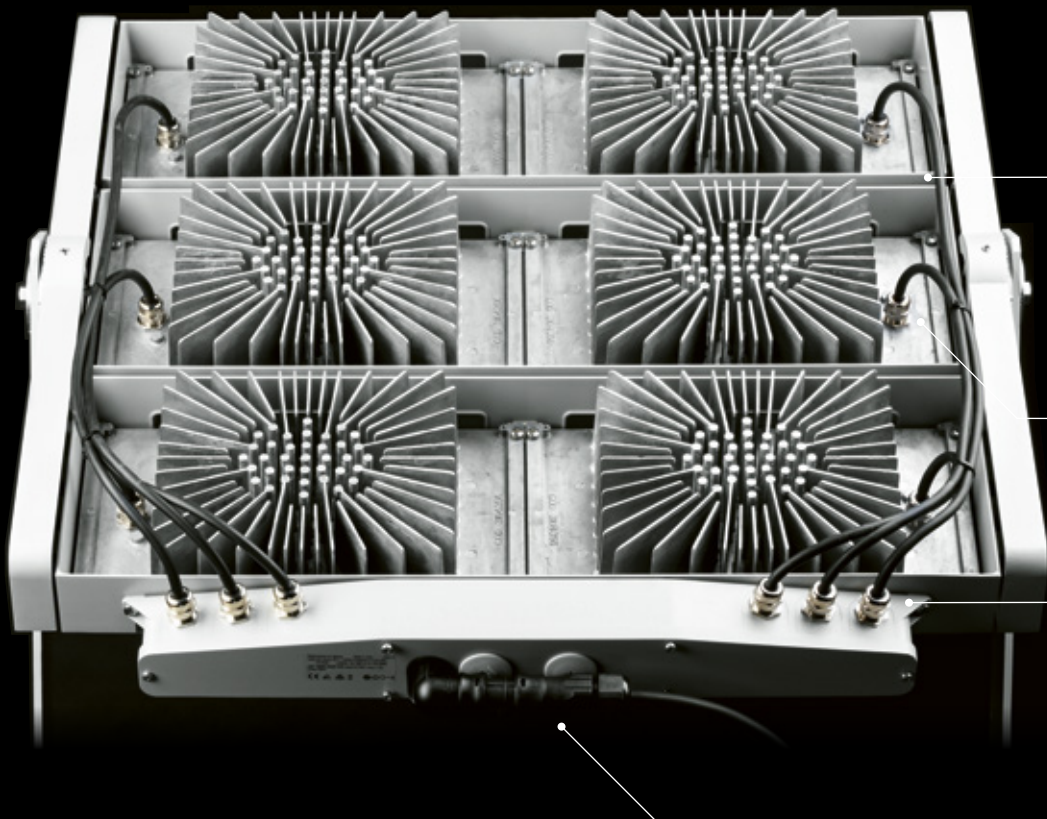


Anodised extruded aluminum ultra high efficiency heat sink



The correct sizing of the heat sinks is the result of thorough fluid dynamics studies, and ensures a constant luminous flux up to the maximum declared ambient temperature (without flux decrease at high temperatures)

Designed with special openings to facilitate air passage through the heat sinks



Openings allow the air to flow through the modules for optimal heat dissipation

The electrical connection between the light engine and the waterproof junction box is insured by a metal cable gland and an extra sealing

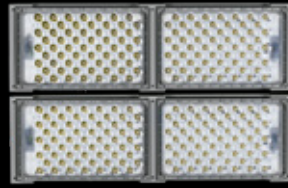
Die-cast aluminum electrical junction box

Easy electrical connection through an IP66 quick connector. There is no need for the installer to open the fixture to perform the electrical connection.

# Modularity



LASER+ 10



LASER+ 20

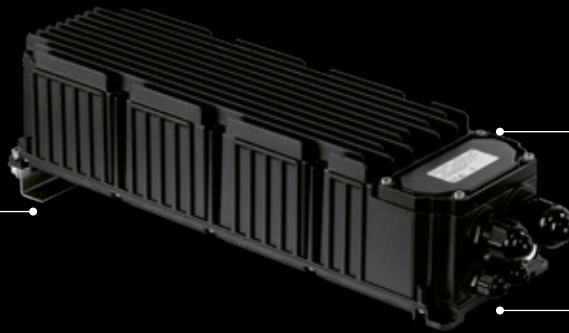


LASER+ 30

Future proof, replaceable LED modules

# Power supply units

Vertical mounting bracket for light towers



The power supply groups are protected against mains power surges of up to 10 kV (CM and DM)

IP66 DALI and DMX512-RDM dimming power supply units available



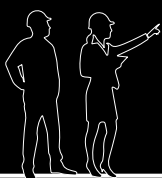
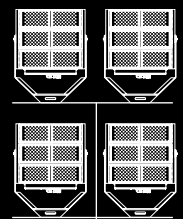
# Accessories



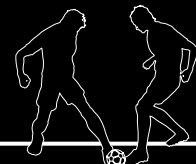
VISOR



SIGHT MOUNT



The electrical connection between the control gears and the floodlights must take place with a maximum cable length of 100 metres







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