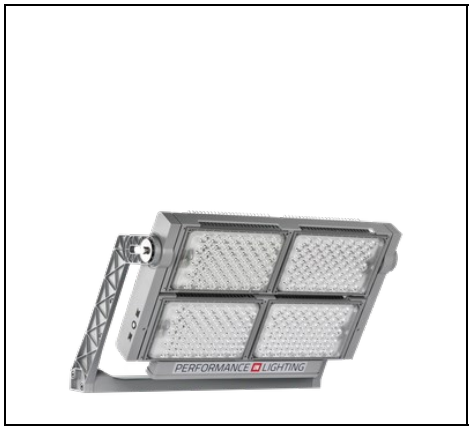
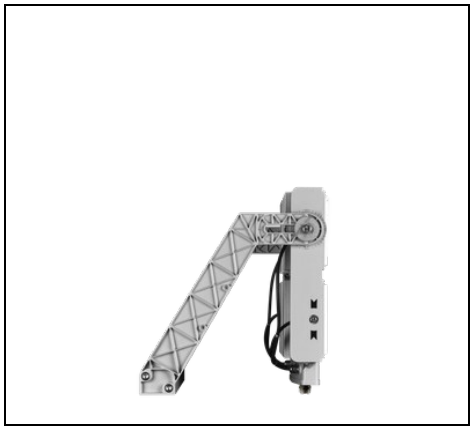
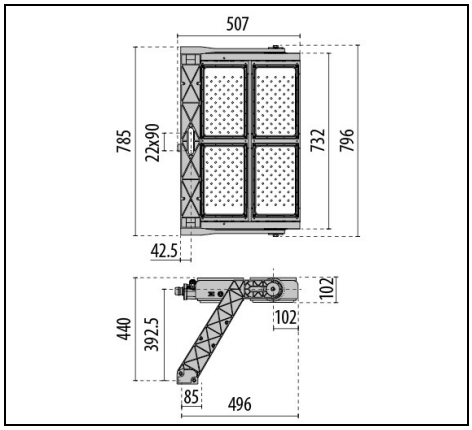
# LASER+ 20 A/I

## Part number 3119464









### Description

High-powered LED floodlight for indoor and outdoor, comprising:
- Die-cast aluminium bearing structure polyester powder coat finish ISO 9227/12944 - ISO 9223 (C5)
- UV and heat stabilised, technopolymer diffuser with integral custom moulded optics
- High-transparency polycarbonate optics
- Anti-ageing custom moulded silicone sealing gasket(s) with resilient elastic return capacity
- High-efficiency die-cast aluminium heat sink
- Die-cast aluminium electrical connection box polyester powder coat finish ISO 9227/19244 - ISO 9233 (C5)
- Light beam obtained by the combination of multiple LED modules
- Stainless steel locking hardware
- Die-cast aluminium bracket, polyester powder coat prior surface chemical conversion
- Electrical connection through a 1.5-meter piece of H07RN-F 7G1.5 cable, allowing the electrical connection without opening the luminaire body. The electrical connection, with the cable coming from the power supply unit, must be made using a suitable waterproof system (e.g. junction box) with at least IP66 protection rating.
- Galvanised powder-coated steel bracket (LASER+ 10)
- All LASER+ power consumption includes power unit losses
- Integral graduated goniometer for aiming purposes
- Tiltable optics assemblies ± 20° (upper and lower body for LASER+30, the lower one for LASER+20) for punctual aiming and field settings
- For LASER+ 20/30 models use only the power supply units available as accessories (ordered separately)
- IP66-rated power control gears available in DALI and DMX-RDM. Maximum distance of 100 m cable length between control gear and luminaire
- Correctly match the floodlight with the control gear. Pay attention to the models and the number of connection channels: two (2CH) and three (3CH)
- All the power supply units are protected against mains surges of up to 10 kV (CM/DM)
- Integral control gearbox, placed in a powder-coated, sheet metal compartment. Mains connection trough M25x1.5 anti-tearing cable gland in polyamide box, for cables Ø 9 - Ø 16 mm (LASER+ 10 models)
- Integral DALI or DMX 512-RDM drivers depending on models (LASER+ 10)
- The LASER+ 10 versions are complete with additional surge protection device (SPD) up to 10 kV (CM/DM)
- Replaceable LED modules (future-proof) can be upgraded to prolong service life by qualified users, only

To maintain the regular updating of our products, PERFORMANCE iN LIGHTING reserves the right to make changes without prior notice. For the most up to date information we always recommend you read the latest version published on the website www.performanceinlighting.com. Delivered luminaire lumen outputs and power consumptions, including losses, are subject to a tolerance of +/- 7%, and unless otherwise stated the values apply to an ambient temperature of 25ºC. Terms of warranty are available at https://www.performanceinlighting.com/qr/company/led-warranty

For information:
**PERFORMANCE iN LIGHTING S.p.A. Headquarters - Italy**
Viale del Lavoro 9/11
37030 Colognola ai Colli Verona - Italy
Tel. +39 045 61 59 211

**info.it@pil.lighting**
www.performanceinlighting.com

- Other colour temperatures (CCT) and colour rendering index (CRI) options available. Consult factory
- For up lighting installation, consult factory

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## Product data

| | | | |
|---|---|---|---|
| **ETIM Group:** | EG000027 | **ETIM Class:** | EC001744 |

## General information

| | | | |
|---|---|---|---|
| **Lampholder:** | LED | **Light source:** | LED |
| **Lightsource lumen output [lm]:** | 177000 | **Luminaire wattage [W]:** | 1060 W |
| **CRI:** | 70 | **Colour temperature [K]:** | 4000 |
| **Colour / Finishing:** | GR-94 / Metallic grey / Textured | **IP degree of protection:** | IP66 |
| **Impact resistance / impact energy:** | IK09 13J xx7 | **Protection class:** | I |
| **Optic:** | A30/I - Asymmetric Intensive | **Beam angle:** | 30° |
| **Net weight [kg]:** | 23.643 | **Overall length [mm]:** | 496 |
| **Overall width [mm]:** | 796 | **Overall height [mm]:** | 440 |

## Mechanical features

| | | | |
|---|---|---|---|
| **Shape:** | Rectangular | **Housing material:** | Aluminium |
| **Diffuser material:** | Plastic | **Glow wire test [°C]:** | 960 °C |
| **Frontal exposed area [m²]:** | 0.1 | **Lateral exposed area [m²]:** | 0.07 |
| **Top exposed area [m²]:** | 0.39 | | |

## Electrical features

| | |
|---|---|
| **Power factor / COS Φ:** | >0.9 |

## Installation

| | | | |
|---|---|---|---|
| **Application area:** | Outdoor lighting | **Mounting type:** | Professional floodlight |
| **Min. ambient temperature [°C]:** | -40 | **Max. ambient temperature [°C]:** | 40 |
| **Min. distance from lighted object [m]:** | 1.00 | | |

## Light features

| | | | |
|---|---|---|---|
| **MacAdam:** | 5 | **Lumen maintenance:** | L80B10@50000h |
| **Distribution of light emission:** | Direct | **Luminous Intensity Class:** | G*6 |
| **Zero light pollution (ULR = 0%):** | | | |

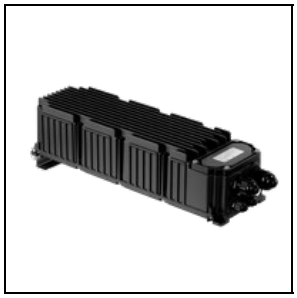
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## Control gear

### LASER+ 20



**3109423**

Driver box 1000 - 1,4 A - 2 CH - DALI

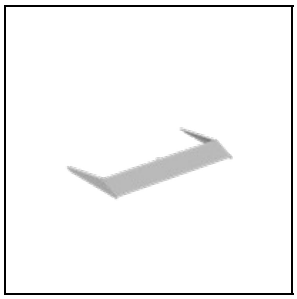


**3109424**

Driver box 1000 - 1,4 A - 2 CH - DMX

## Optional accessories

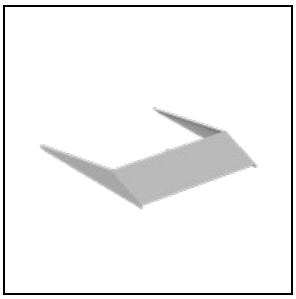
### LASER+ 20



**3115077**

Louvre LASER+ 20 - 5°

GR-94 / Metallic grey



**3115078**

Louvre LASER+ 20 - 10°

GR-94 / Metallic grey

### LASER+



**3116553**

Pointer support



**3117476**

Brackets supports for driver

INOX / Stainless steel

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