

# LASER+ 10 EXTREME ELL

Part number 3107806



## Description

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
- Ultra-high efficiency anodised extruded aluminium heat sink
- Light beam obtained by the combination of multiple LED modules
- Other colour temperatures (CCT) and colour rendering index (CRI) options available. Consult factory
- Stainless steel locking hardware
- Galvanised powder-coated steel bracket
- All LASER+ power consumption includes power unit losses
- Integral graduated goniometer for aiming purposes
- 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 surge protection device (SPD) against mains overvoltages up to 10 kV (CM/DM)
- Design by GIORGIO LODI

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## Product data

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

## General information

|                                    |                                  |                          |         |
|------------------------------------|----------------------------------|--------------------------|---------|
| Lampholder:                        | LED                              | Light source:            | LED     |
| Lightsource lumen output [lm]:     | 90500                            | Luminaire wattage [W]:   | 542 W   |
| CRI:                               | 70                               | Colour temperature [K]:  | 4000    |
| Colour / Finishing:                | GR-94 / Metallic grey / Textured | IP degree of protection: | IP66    |
| Impact resistance / impact energy: | IK08 6J xx5                      | Protection class:        | I       |
| Optic:                             | ELL - Elliptical                 | Beam angle:              | 30°x45° |
| Net weight [kg]:                   | 24.693                           | Overall length [mm]:     | 546     |
| Overall width [mm]:                | 781                              | Overall height [mm]:     | 102     |

## Mechanical features

|   |             |   |           |
|---|-------------|---|-----------|
| Shape:                                  | Rectangular | Housing material:                       | Aluminium |
| Diffuser material:                      | Plastic     | Glow wire test [°C]:                    | 960 °C    |
| Frontal exposed area [m <sup>2</sup> ]: | 0.08        | Lateral exposed area [m <sup>2</sup> ]: | 0.05      |
| Top exposed area [m <sup>2</sup> ]:     | 0.34        |   |           |

## Electrical features

|                                 |           |                                       |           |
|---------------------------------|-----------|---------------------------------------|-----------|
| Voltage type:                   | AC        | Input voltage [V AC]:                 | 220/240   |
| Input frequency [Hz]:           | 50/60     | Power factor / COS Φ:                 | >0.9      |
| Surge protection   Common [kV]: | 10.000000 | Surge protection   Differential [kV]: | 10.000000 |
| Inrush current [A/μs]:          | 78 / 650  | C10 1.5 mm <sup>2</sup> :             | 2         |
| C16 2.5 mm <sup>2</sup> :       | 4         | B10 1.5 mm <sup>2</sup> :             | 1         |
| B16 2.5 mm <sup>2</sup> :       | 2         |                                       |           |

## Installation

|  |                  |                                |                         |
|--|------------------|--------------------------------|-------------------------|
| Application area:                      | Outdoor lighting | Mounting type:                 | Professional floodlight |
| Min. ambient temperature [°C]:         | -40              | Max. ambient temperature [°C]: | 50                      |
| 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'5           |
| Zero light pollution (ULR = 0%): |        |                           |               |

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## Optional accessories

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### LASER+ EXTREME ELL / C



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Pointer support

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