# Laser Blade
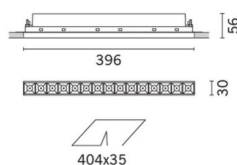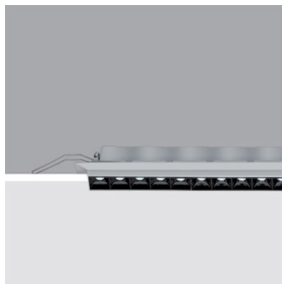
**Product configuration: P192**
P192: 15 cell Frameless Recessed luminaire - Tunable White - Flood optic

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**Product code**
P192: 15 cell Frameless Recessed luminaire - Tunable White - Flood optic **Attention! Code no longer in production**

**Technical description**
Minimal rectangular 15 optic element recessed miniaturised luminaire. Using LED lamps at different colour temperatures allows them to be modulated. This variation is achieved by mixing the emission of 8 x 2700K high CRI LEDs and 7 x 5700K high CRI LEDs. Despite the disparity of the lamps when the two end channels are used - 2700K and 5700K - the intensity of the flux emitted is the same. The colour temperature also remains uniform and constant even when different size products are used together. Main body with die-cast aluminium radiant surface; frameless version for mounting flush with the ceiling. Metallised thermoplastic high definition optics - flood beam - set back from the black anti-glare screen; the structure of the optical system prevents a pinpoint effect, allowing precise, circular light distribution and emission with controlled glare . Supplied with an integrated (basic) power system that allows the colour temperature to be varied, without using any extra components, but simply by pressing the buttons (max 4 products). Using the 6170 code you can obtain a simple and intuitive DALI programmable solution with touch-screen. There are also other control systems available with different codes for large systems that require specialised technicians for their programming: the MH97 + MH93 + MI02 group can be used for a DALI / KNX programmable solution - the MH97 + MH93 + M618 group can be used to extend the control of the system to remote supports such as tablets and smart phones.

**Installation**
recessed with steel wire springs on the specific adapter (included) which allows flush-mounting with the ceiling. Adapter for fitting luminaire to false ceilings ( 12.5 mm thick) with self-tapping screws; subsequent filling and smoothing operations; insertion of luminaire body and stylish finishing. Preparation hole 35 x 404

| Colour | Weight (Kg) |
|---|---|
| Black (04) | 1.3 |

**Mounting**
wall recessed|ceiling recessed

**Wiring**
Power units included. Various management solutions are available with a separate code. For technical data, properties and connection modes see the instruction sheet.

Complies with EN60598-1 and pertinent regulations

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**Technical data**

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|---|---|---|---|
| lm system: | 2035.15 | CRI: | 0 |
| W system: | 30.8 | Colour temperature [K]: | Tunable white |
| lm source: | 2550 | MacAdam Step: | 0 |
| W source: | 27 | Life Time LED 1: | 50,000h - L90 - B10 (Ta 25C) |
| Luminous efficiency (lm/W, real value): | 66.08 | Lamp code: | LED |
| lm in emergency mode: | - | Number of lamps for optical assembly: | 1 |
| Total light flux at or above an angle of 90° [Lm]: | 0.0 | ZVEI Code: | LED |
| Light Output Ratio (L.O.R.) [%]: | 80 | Number of optical assemblies: | 1 |
| Beam angle [°]: | 30° | Wavelength [nm]: | 0 |