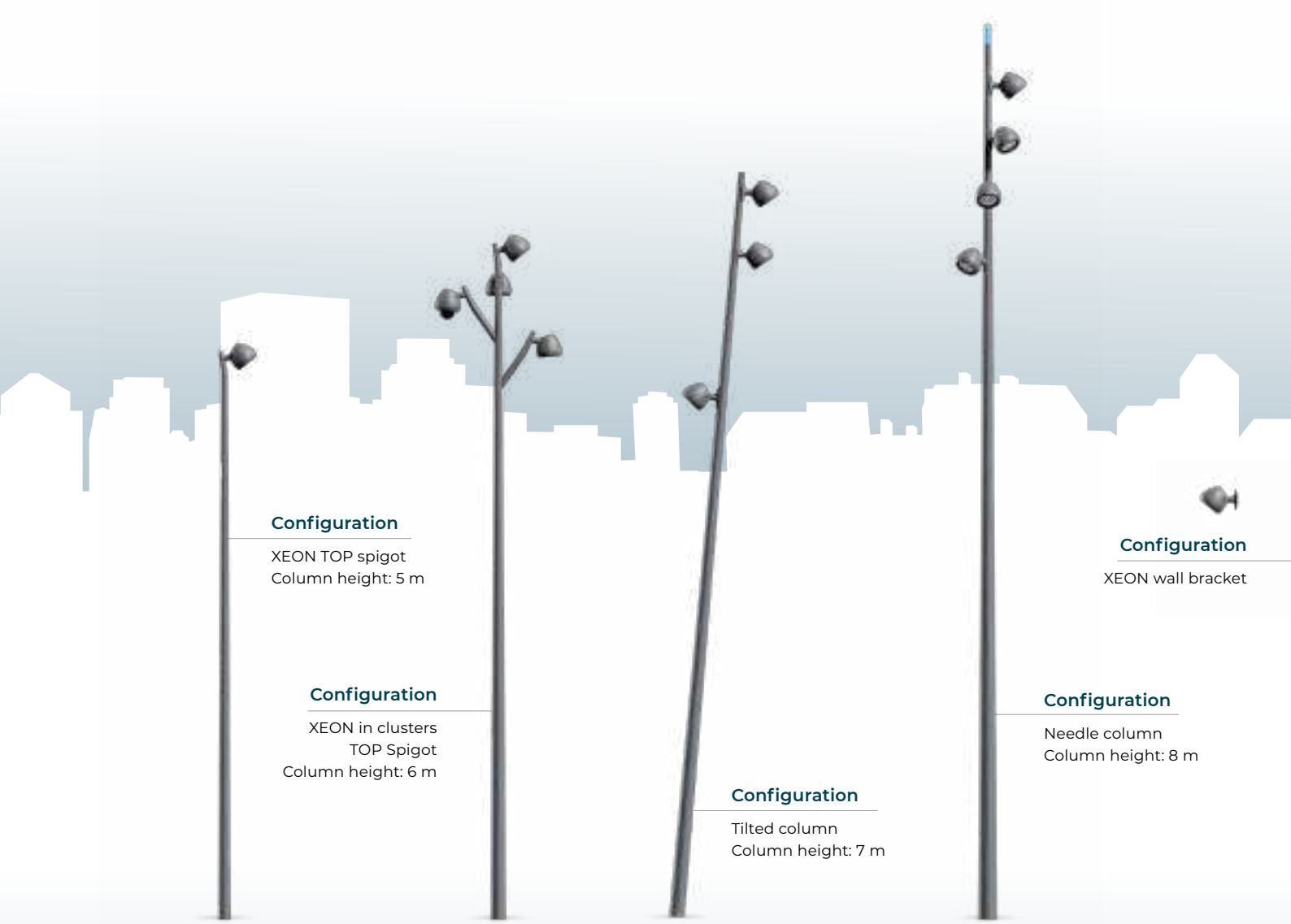
# XEON

Design: ECLATEC



**Configuration**

XEON TOP spigot
Column height: 5 m

**Configuration**

XEON in clusters
TOP Spigot
Column height: 6 m

**Configuration**

Tilted column
Column height: 7 m

**Configuration**

Needle column
Column height: 8 m

**Configuration**

XEON wall bracket

# XEON

Design: ECLATEC

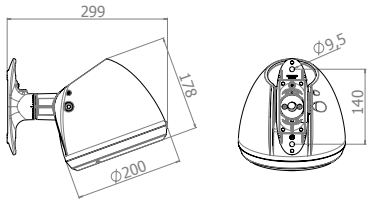
XEON 1

## DESCRIPTION

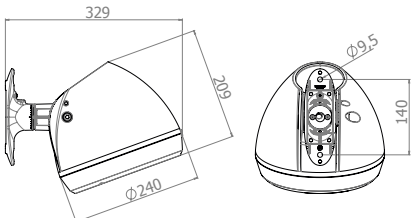
| | | | |
|---|---|---|---|
| **Product name** | XEON 1 | XEON 2 | XEON 3 |
| **Housing** | Injection die-cast aluminium body | | |
| **Bowl** | Thermally toughened glass | | |
| **Finish** | Polyester powder coating, any colour available | | |
| **Impact protection** | IK 09 | IK 10 | |
| **Ingress Protection** | IP66<br>Extruded silicone gasket<br>Cable gland with anchoring device<br>Breathing system with activated carbon filter | | |
| **Dimensions (dia x h)** | 200 x 178 mm | 240 x 209 mm | 300 x 262 mm |
| **Weight** | 3.3kg | 3.9kg | 5.5kg |
| **Windage area** | 0.03m² | 0.04m² | 0.06m² |
| **Materials used** | Aluminium 71%<br>Steel 10%<br>Glass 6%,<br>Plastic 2%<br>Other 11% | Aluminium 72%<br>Glass 8%<br>Steel 2%,<br>Plastic 2%<br>Other 16% | Aluminium 74%<br>Glass 10%<br>Steel 2%<br>Plastic 2%<br>Other 12% |
| **Electrical class** | Class I or II | | |
| **Wiring** | Luminaire pre-wired in the factory | | |

## DIMENSIONS

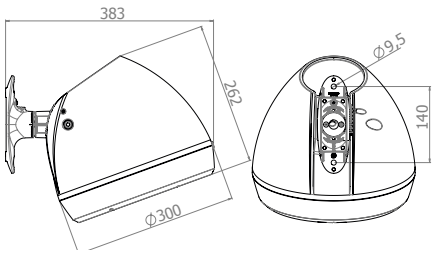
XEON 1




XEON 2




XEON 3




XEON 2

XEON 3

## SOURCES & PHOTOMETRIC DISTRIBUTIONS

| | XEON 1 | XEON 2 | XEON 3 |
|---|---|---|---|
| **Sources** | COB | XEON | |
| **Colour temperature** | 2700 K, 3000 K, 4000 K | | |
| **Optical Distribution** | **UNILENS** | **ORALENS** | |
| | PFI, PFM, PFL | PFI, PFM, PFL, ERS, ERL | |
| **Power supply current** | Adjustable up to 700 mA | | |

**E/L/P:** Lighting/Luminance/Projection, R/C/**T/F/P: Road/**Circular/Pavement/Beam/Zebra crossing, E/S/L/A/D/G: **Narrow/Standa**rd/Wide/Asymmetrical/Right/Left

XEON Modules

## OPTIONS

| | XEON 1 | XEON 2 | XEON 3 |
|---|---|---|---|
| **At the lighting point** | | | |
| Adjustable current (driver or bottom of the pole) | √ | √ | √ |
| Dimming (driver, bottom of the pole or Bluetooth) | √ | √ | √ |
| Built-in detection | - | - | - |
| Remote detection | √ | √ | √ |
| DALI protocol | √ | √ | √ |
| Smart-Ready® configuration (ZD4i) | - | √ | √ |
| **In a local network** | | | |
| Communicating detection with pilot wire | √ | √ | √ |
| Wireless communication sensing | √ | √ | √ |
| **Remote management** | | | |
| WIZARD CMS system | √ | √ | √ |

Details of the functions available on pages 272 to 279 and in the LED synopsis located on under the flap on the front cover

## ACCESSORIES

Visor options, canon, anti-glare grill and diffusing glass

Anti-glare grill

Visor

Canon

## MECHANICAL INTERFACES

**Mounting** for conical or cylindro-conical pole
Tilts:
Position indicators in increments of 5°
- Adjustment on the horizontal plane: -60° to +60° with end stop, screw lock
- Max. adjustment on the vertical plane: 0° to +75°, screw lock

**Wall bracket** via specific slider
Spacing: 140 mm

**Lateral bracket mounting**
Tilts:
- Adjustment in the horizontal plane: - 75° to + 75° (illumination upward or downward), ATTENTION graduations range only from -40° to +40° with limit stop, locked by screw.

Max adjustment in the vertical plane:
XEON 1: -15° to +60°, locked by screw
XEON 2: -15° to +65°, locked by screw
XEON 3: -15° to +70°, locked by screw

**XEON Top** penetrating fixing for pole ø60 / ø62 mm x 324mm.
- XEON 1: from 5° to 85°, h = 184 to 345 mm
- XEON 2: from 5° to 90°, h = 164 to 365 mm
- XEON 3: from 5° to 95°, h = 128 to 397 mm

**Post top bracket**, outreach 515 mm for XEON 1, 538 mm for XEON 2 and 578 mm for XEON 3

## MAINTENANCE

**Maintenance of the equipment and LEDs**

Projector opening with 3 captive screws (safety wire)
Rapid electrical disconnection without tools
Removable LED module on site

# XEON

Design: ECLATEC

**XEON**
RGBW

## XEON RGBW

| **Product name** | XEON 1 | XEON 2 | XEON 3 |
|---|---|---|---|
| **Applications** | Heritage building enhancement, illumination, visual accentuation | | |
| **Static colours** | Monochromatic lights, red, green, blue, white and combinations of these four colours | | |
| **Chromatic variations** | Chromatic variations | | |
| **Control** | DMX protocol (DALI protocol on request) | | |
| **Programmation** | Optional programming of the driver, for fixed colours or chromatic variations, using a programming module | | |
| **Wiring** | Prewiring of DMX in the factory | | |

| | **XEON 1** | |
|---|---|---|
| **Intensity (mA)** | 700 | |
| **Optical Distribution** | PFL (Aperture at Imax/2 = 36°)<br>PFM Aperture at Imax/2 = 22°) | |
| **Color** | Outgoing flow (lm) | Power (W) |
| **Red** | 160 | 10 |
| **Green** | 360 | 11 |
| **Blue** | 85 | 11,5 |
| **White** | 590 | 11 |

| | **XEON 2** | |
|---|---|---|
| **Intensity (mA)** | 700 | |
| **Optical Distribution** | PFI with 10° diffuser or 30° diffuser | |
| **Color** | Outgoing flow (lm) | Power (W) |
| **Red** | 650 | 15 |
| **Green** | 940 | 18 |
| **Blue** | 235 | 18 |
| **White** | 925 | 18 |

| | **XEON 3** | |
|---|---|---|
| **Intensity (mA)** | 700 | |
| **Optical Distribution** | PFI with 10° diffuser or 30° diffuser | |
| **Color** | Outgoing flow (lm) | Power (W) |
| **Red** | 490 | 11 |
| **Green** | 710 | 13,5 |
| **Blue** | 180 | 13,5 |
| **White** | 700 | 13,5 |

PF/I-M-L: Beam projection/ Intensive-Medium-Large

**XEON**
Fixed camera

**XEON**
CCTV camera

**XEON**
Loudspeaker

## CCTV

XEON 2 and 3 can integrate **CCTV** cameras, connected by Web browser, which operate day and night.

| Product name | XEON 2 | XEON 3 |
|---|---|---|
| **Protocol** | Compatible with the protocol defined by ONVIF (open protocol: Open Network Video Interface Forum) and therefore compatible with most security systems | |
| **Connection** | Internet connection allowing viewing from a control station | |
| **Resolution** | Full HD 1920x1080, digital zoom, optimization of image quality | |
| **Recording** | Possible on SD card | |
| **Power supply** | PoE ou DC | |
| **Fonctionnality** | Detection | |
| **Impact protection** | IP 66 | |
| **Ingress Protection** | IK 10 | |
| **Working temperature** | -20°C to +50°C | |
| **Power** | 8 to 10W | |
| **Dimensions and mechanical interfaces** | Refer to chapter LIGHTING | |

**Fixed camera**
A discreet solution, with a fixed SAMSUNG camera entirely integrated into the projector and three compatible lenses according to the installation height, the field of view and the area of coverage.

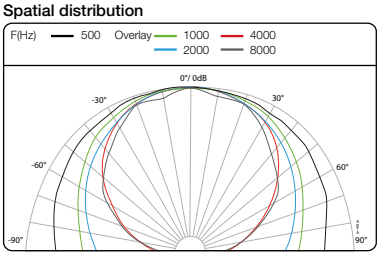
**CCTV camera**
A dissuasive and visible solution, with an AXIS PTZ camera offering panoramic vision and the possibility of horizontal and vertical movement, allowing objects to be tracked on the move.

## SOUND

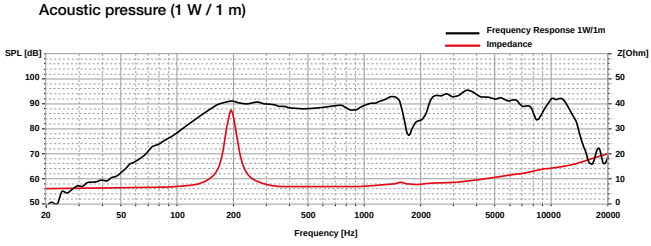
XEON 2 and 3 can integrate a **loudspeaker** allowing voice messages, information or music to be broadcast. This 100 V analog sound system is connected to an on-site audio amplifier, which provides power directly to the speaker.
The audio amplifier is also connected to the audio source.

| Product name | XEON 2 | XEON 3 |
|---|---|---|
| **Finitions** | Polyester powder coating, any colour available | |
| **Electroacoustic system** | - Transformer 50 W<br>- Impedance 8 Ω<br>- Sound pressure level 89 dB (1 W / 1 m) to 17 kHz<br>- Frequency response of 250 Hz to 7000 Hz<br>- Working temperature: -40°C à +120°C | |
| **Dimensions and mechanical interfaces** | Refer to chapter LIGHTING | |

**Spatial distribution**




**Acoustic pressure (1 W / 1 m)**



# XEON

Design: ECLATEC

**XEON 3**
GOBO

## GOBO

**XEON 3** can integrate a **GOBO** projector capable of projecting monochrome or multicolored black and white images or messages up to 12 m.
In order to provide maximum resolution, the optics of GOBOs Floodlights are made of dichroic glass, allowing superior flexibility of colours and light effects, including metallic or pastel colours (metallic GOBOs available).

In addition, the 5500K LED source with IRC 80 provides crisp, clear projection with perfect colour rendering, regardless of the surrounding environment.

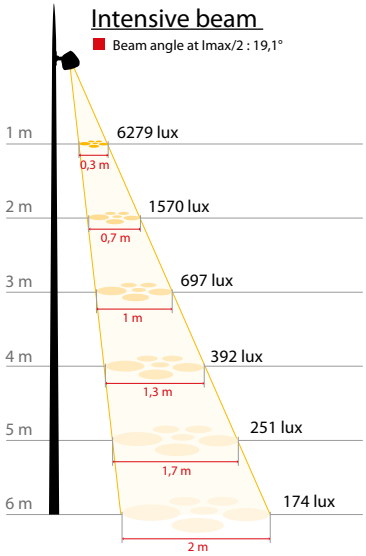
| | |
|---|---|
| **Product name** | XEON 3 |
| **Housing** | Injection cast aluminium body, module and mechanical interfaces |
| **Bowl** | Heat-tempered and screen-printed glass bowl |
| **Finish** | In polyester powder coating, in a choice of colours |
| **Power** | 34 W |
| **Impact protection** | IK 10 |
| **Ingress Protection** | IP 66 |
| **Weight** | 6.8kg |
| **Windage area** | 0.06m² |
| **Electrical class** | Class I only |
| **Wiring** | Pre-wired in the factory |
| **Dimensions et interfaces** | Refer to chapter LIGHTING |

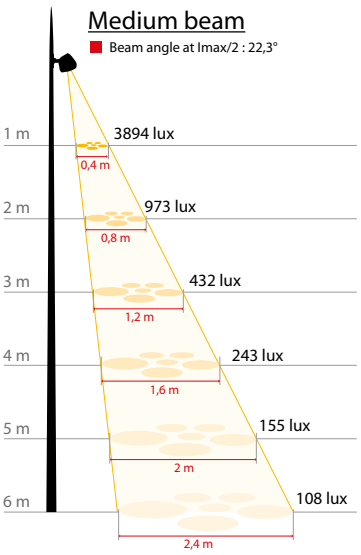
## INSTALLING/ CHANGING THE GOBO

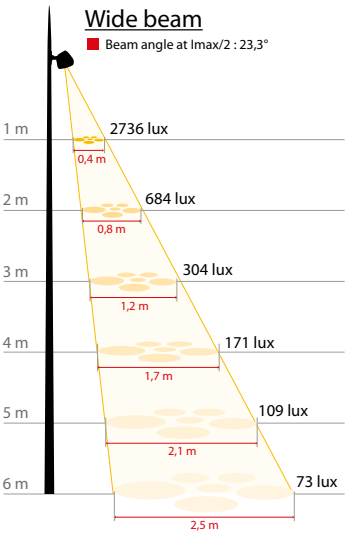
| | |
|---|---|
| **Opening** | Open the XEON via the three captive screws on the front panel to access the internal projector |
| **Installation** | Easy installation of the GOBO in the projector following instructions |
| **Adjustment** | Adjust the focus by turning the lens (by first unscrewing the locking screw, and tightening it after adjustment) |

## CHOICE OF LENS

Three lenses allow a great diversity between the size of the projected graphics and the projection distance.
In general, for the same projection distance, the larger the angle of opening, the larger the projected area, and the less bright the projected image.




The illumination data are only indicative and not contractual.

## RENDERINGS, EFFECTS AND PATTERNS

A large library of figurative GOBO patterns such as foliage or clouds, as well as abstract patterns, are available on request.
ECLATEC can also create **personalized patterns** on any theme, or using a photo, as requested by the customer.

### In steel

Disk cut to pattern, logo, with text required. This is the least expensive solution for colourless projection.

**Examples of existing patterns:**


### In glass

The colored GOBOs are formed by superimposing layers of dichroic glass with engraved shapes, to mix the colours necessary for the image by subtraction. These custom glass GOBOs are ultra-thin (1.1mm thick for monochrome and black and white models, and 1.9mm for multicolored models), providing excellent image projection.

**Examples of existing patterns:**

The pattern to be projected must be provided in a vector format, in order to be transcribed on the GOBO. ECLATEC can convert your computer files into this format.

## EXEMPLES OF USES

**Projection of patterns on the ground**


**Projection of messages on buildings**