

XTYLOS
THE FIRST BEAM EFFECT POWERED BY LASER

CLAYPAKY
AN OSRAM BUSINESS



XTYLOS

THE LASER REVOLUTION IN BEAM MOVING LIGHTS

The entertainment industry is constantly looking for new technology to impress audiences with new surprising effects. Nowadays, rapid technological development means that new fixtures, which perform better in terms of power, light output and lifespan, while reducing weight and overall dimensions, are continually introduced onto the market. However, they are usually an evolution of previous models rather than being revolutionary. The new Claypaky XTYLOS, on the contrary, is a real revolution.

The XTYLOS stems from the joint

experience of two great companies: Osram, one of the world's leading manufacturers of light sources, and Claypaky, which has constantly innovated the world of show lighting by inventing luminaires that have become industry standards.

The XTYLOS uses a totally innovative technology. It is a compact beam moving light with unique optical and chromatic characteristics, making use of a **tailor-made laser source**. This laser source is enclosed in a reliable, safe and fully sealed module and it is the powerful engine of an incredible array of colors.

This mode of using a laser source is very innovative. Lasers are renowned for being rather complicated and expensive devices; so far their most frequent application as a light source has been in the field of video projection. To use laser light in the new XTYLOS, Claypaky and Osram's R&D departments have created a totally new, patent-pending optical group and carried out countless tests on performance and safety aspects. The result is a luminaire with no equal on the market.



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*Installation with 100 Xtylos @ Jova Beach Party 2019
Linate, Milan, September 2019. Concept by Giò Forma Studio*

Let's look at the main exclusive features of the XTYLOS:

HIGH ENERGY EFFICIENCY

Its power consumption and luminous efficacy are excellent. Each of the RGB colors requires less than 100 Watt, the equivalent of a low consumption fixture, but the resulting light output easily exceeds any high-power beam moving light.

FULL BEAM OF LIGHT WITHOUT VISIBLE HOTSPOTS

A special patent-pending design optical system turns the laser-emitted light into a solid, dense,

saturated light beam without any visible hotspots. The beam aperture ranges from 1° to 7° and it can be decreased further to 0.5° using the beam diameter reducers provided on the gobo wheel. The resulting pencil beams are of exceptional intensity, and cannot be reproduced by any other light sources, either LED or traditional.

AMAZINGLY BRIGHT AND SATURATED COLORS WITH THE EXCLUSIVE TURBO COLOR SYSTEM

The XTYLOS uses laser technology with RGB additive color mixing. In contrast to the subtractive mixing

used with discharge lamps, colored light beams are as bright as a white light beam! With the XTYLOS you always have a **Turbo-Red**, a **Turbo-Blue**, and a **Turbo-Green** at your disposal, together with all their combinations, which are infinitely brighter than those produced by a traditional bulb. Color consistency is literally unequalled both across different fixtures and during lifetime. Lighting designers will finally be able to create their shows making extensive use of colors, without fear of them being overwhelmed by the rest of the lighting rig.

NEVER-SEEN-BEFORE MID-AIR EFFECTS

The range of effects is very wide and complete: two gobo wheels - with 7 rotating gobos and 12 fixed gobos (including 7 beam diameter reducers) - a wheel with 3 prisms + 1 frost, and a sixteen facet prism on a dedicated channel which can be overlapped with the prism wheel. These effects are enhanced by the laser source and by the visibility of the aerial colors, giving rise to never-seen-before mid-air effects.

UNMATCHED DYNAMISM

Effect and color changes alternate virtually instantaneously, in such a way that they are difficult for the human eye to perceive. Besides allowing lighting scenes to be changed very quickly and accurately, the speed of this change itself can be used as a breath-taking effect.

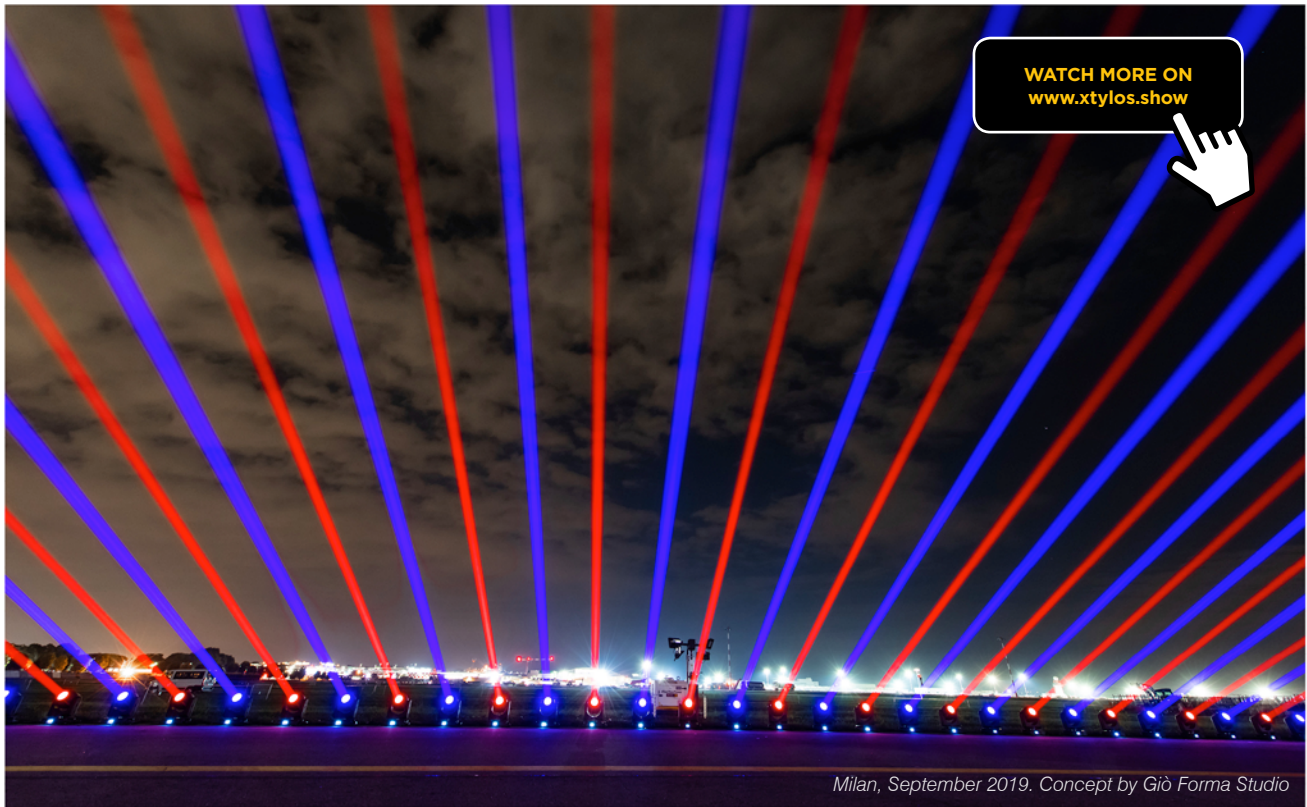
SAFE, SEALED LASER MODULE

The laser unit is housed in a safe, sealed module, which is not accessible to users. This module produces a beam of light with incredible optical characteristics: bright, perfectly collimated, uniformly mixed and evenly distributed across its section. Unlike some discharge lamp fixtures, its beam comes with a negligible amount of heat, so there is no risk of heating up scenery and objects.



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Milan, September 2019. Concept by Giò Forma Studio

SMALL DIMENSIONS

An extraordinarily compact housing, together with the most advanced electronics on the market, make the XTYLOS extremely fast and responsive to pan-tilt movements. Its compact size means it can be easily installed on pre-rigs or housed inside the Claypaky Igloo for fixed outdoor installations.

LONG LASTING SOURCE WITHOUT DECAY

The laser source lasts for approxi-

mately 20,000 hours (equivalent to over 12 years of average use by a rental company) with **minimal decay** in luminous efficacy. This is a significant technology improvement which results in an excellent ROI for rental companies.

INTERNAL MODULARITY

The laser module is easily accessible and replaceable at the end of its life. The electronic module is a disjointed unit and it may be replaced separately from the light source, if faulty.

The XTYLOS is definitely the **most dynamic light on the market**. It is ideal tool for all rental companies, for use at major events, and at any show which would like to stand out with colorful beams and never-seen-before effects. It is also perfect for permanent installations in theme-parks and TV studios.

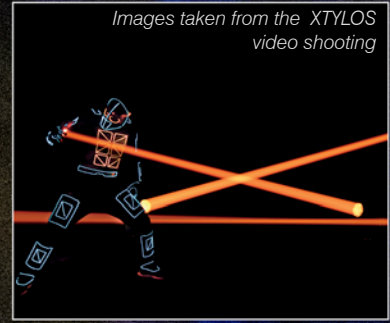
The XTYLOS is the first moving head light with a laser source, and this opens up new, surprising prospects for the development of the entire entertainment lighting world.



Milan, September 2019. Concept by Giò Forma Studio



Images taken from the XTYLOS video shooting



CLICK TO WATCH THE VIDEO ON YOUTUBE



WEIGHT AND DIMENSIONS

24 Kg (53 lbs)

388 x 294 x 582 mm (15.27 x 11.27 x 22.91 in)

MAIN FEATURES

- Light Source: Tailor-made laser engine, enclosed in a sealed module
- Long lasting light source (20,000 hours) with minimal decay
- Solid, flat field, saturated, ultra-concentrated light beam without any visible hotspots.
- Aperture: 1°-7° range (up to 0.5° using beam diameter reducers)
- RGB additive color mixing, with exclusive Turbo-colors
- Unequalled color consistency both across different fixtures and during lifetime.
- Exclusive mid-air graphic effects
- One wheel with 7 rotating gobos
- One wheel with 12 fixed gobo slots (incl. 7 beam reducers)
- One wheel with 3 prisms and 1 frost filter
- Sixteen-facet prism on a dedicated channel
- Unmatched effect and color change speed
- Compact housing with easy accessibility to all modules
- Extremely fast pan-tilt movements
- Ultra-precise 24-bit digital dimmer



RISK GROUP 3 - WARNING: POSSIBLY HAZARDOUS OPTICAL RADIATION EMITTED FROM THIS PRODUCT. DO NOT LOOK AT OPERATING LAMP SOURCE. EYE INJURY MAY RESULT. EN/IEC 62471 - HAZARD DISTANCE: REFER TO THE MANUAL. CLASS 1 LASER PRODUCT, ACCORDING TO IEC 60825-1:2014-05 CLAUSE 4.4.