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# Lighting

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MUSEUM LIGHTING • STAGE LIGHTING • GARDEN LIGHTING

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Image courtesy of Stoane Lighting. Lighting designer on the project: Roundlight Ltd.



**Ali Kay,**  
Director, Head of  
Development at  
Stoane Lighting

"The focus for museum and gallery lighting has been on the exhibit quality of lighting. Quality is a function of the light sources used, with best colour rendering, colour consistency and durability key indicators of high quality light sources. Other components used also have a clear impact on the quality of the results, luminaires with beam options, customisability and large selections of accessories offer flexibility to give the exhibition designer the tools to light their exhibits well.

Great lighting can be transformational in museums and galleries; artwork can appear more vivid, previously hidden details appear, spaces can feel more inviting, interactive, or more dramatic. Through the use of connected technology, lighting can be used to monitor lux hour exposure of sensitive artworks, to enhance the visitor experience, or to provide location-based services.

The quality and durability of the luminaire also comes into the equation. Luminaires for this market are very often track mounted, handled a lot, and so a long service life is crucial. It should be the manufacturers responsibility to work with museums and galleries through the lifetime of the products in service.

At The Holburne Museum in Bath, Stoane Lighting's ReNew service recently completed LED based remanufacturing of 300 luminaires on site. This was possible due to the repairable and robust construction of the original Stoane Lighting halogen luminaires.

The museum and gallery sector face a challenge in modernising their luminaires to deal with halogen lamp restrictions, they have options to replace with new or look at local LED based remanufacturing of their existing luminaires. The Holburne Museum were able to reduce the carbon impact by remanufacturing rather than buying new, to reduce their operational energy consumption, benefit from a product warranty re-set, see improvements in lighting quality and whilst closing for only one day. The use of sustainability metrics and calculations allowed these benefits to be quantified.

Luminaire and light quality remains paramount, but museums and galleries now have opportunities to take a different approach, to keep luminaires in use for longer and to lower their environmental impacts in doing so."

**Stoane Lighting**  
+44 (0)131 440 1313  
[www.stoanelighting.com](http://www.stoanelighting.com)

**Stefania  
Bianchini,** Head  
of Technical Office  
at formalighting  
Milan HQ


"As specialists in museum and gallery lighting, formalighting provide a wide range of solutions to highlight exhibitions, showcases and displays. Lighting becomes part of the exhibition, telling the visitor a story, guiding them around a space, and drawing the eye to artefacts.

La Biblioteca Marciana di Venezia is one of the oldest and most important libraries in the world, home to many Italian masterpieces of artwork and extraordinary globes and maps. formalighting's architectural lighting products were specified for the La Biblioteca Marciana di Venezia project by Lighting Designer Romano Baratta Lighting Studio. The aim of the lighting design was to encourage visitors to explore what is present in the displays while evoking emotions and sensations through the atmosphere and design of the space.

This project has reshaped museum lighting by not only highlighting the displays, but also illuminating the history embedded in its architecture. A carefully crafted lighting design brings together the lighting of the exhibition and the enhancement of the pieces, along with enhancing the overall atmosphere and experience for visitors.

One of the greatest challenges in museum lighting is to avoid shadows and reflections on the art and display cases, with lighting blending seamlessly into the design while also drawing attention to what it needs to.

The formalighting fixtures used in this project were the Zero 66, Zero Framing Projector and Microline 7x7, controlled by Casambi Technologies with an integrated motion sensor which triggers the changing light scene.

Through the automated system of visual scenarios and perspective guidance through the light itself, visitors can discover and admire the 16th century architecture through targeted focuses, before diving into the masterpieces. The new lighting has made it possible to grasp the colour and contrast of the pieces, with the artwork not seen in this way before the new lighting made it possible." 

**formalighting**  
+39 02 9354 0300  
[www.formalighting.com](http://www.formalighting.com)



Image courtesy of Romano Baratta Lighting Studio.