



Light for museums and cultural institutions



IL
InstaLighting



Lighting in museums places the highest demands on lighting designers. The presentation and protection of the exhibits on display, the colour rendering, the atmosphere of the space and architecture as well as the quality of the visit must all work together harmoniously to ensure the works of art can develop their full effect.

Light for museums requires the utmost precision. Each work of art forms a unique world of colours, details and materials. InstaLighting's lighting systems highlight these qualities and support the high-quality implementation of curatorial concepts.

Highest light quality and colour fidelity with Stratas

Colour rendering almost like daylight

Natural light is perceived by the human eye as perfect light for colour rendering, as sunlight encompasses the full range of wavelengths between 380 and 700 nanometres (nm). The colour rendering index (CRI) measures how accurately an artificial light source reproduces the colour spectrum when compared with natural sunlight. The perfect CRI value is 100, which corresponds to natural sunlight.

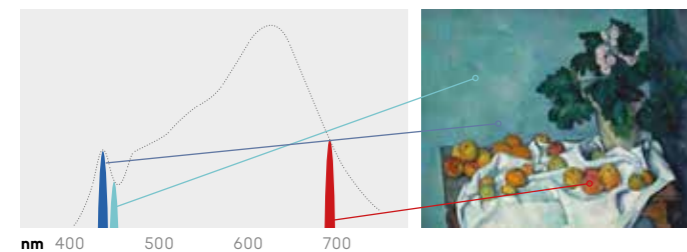
The Xicato LED modules in our Stratas spotlights achieve a colour rendering value of 98 across the entire colour spectrum with 50,000 hours of life. Even after thousands of hours of operation, there is no change in light quality. This makes our Stratas spotlight series the optimal lighting system for museums.



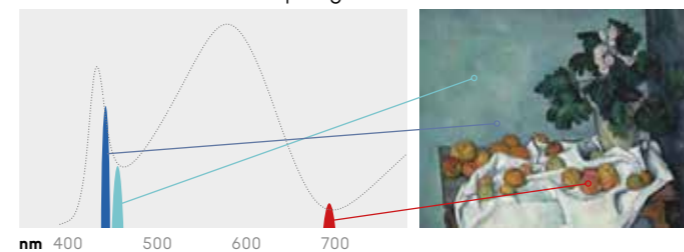
The Xicato LED modules in our Stratas spotlights achieve highest colour rendering values very close to natural daylight.

Stratas spotlights achieve an accurate colour rendering index (CRI) of 98

Conventional LED modules



Xicato modules in Stratas spotlights



	98	99	97	96	98	97	98	97	95	99	93	94	98	97	99
Ra	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15





Modern Literature Museum, Marbach
LT1 Stratas XIC , LT1 Stratas XIC WW, track spotlights



NS Documentation Center, Munich

Flexibility for changing exhibition concepts

Intelligent control and modular products

Changing exhibitions require that the lighting systems used are highly flexible – oil paintings need different lighting to sculptures or works on paper. Exhibitions live from the ways in which light can be used as a creative element to set the scene, depending on the design concept and what the curator wants to achieve. Are they aiming for

contrasts, uniformly illuminated rooms or accent lighting on certain objects to direct visitors' attention? InstaLighting has specialised in the development of modular lighting concepts. Thanks to a wide range of accessories, interchangeable optics and flexible, digital control, the light adapts to any desired requirement.

Systems

- Dimming
- Digital control and mesh networks such as "Casambi"
- Multiple optics
- Filters and attachments
- Sensors for daylight and movement

Applications

- Protection of light-sensitive materials
- Adaptation of light to material qualities and shapes
- Illumination of different vertical and horizontal surfaces
- Tool-free adjustment and reconfiguration
- Sustainable lighting concepts and reducing energy costs



Sustainability and architecture

Save energy – increase light quality

The presentation of works of art is closely linked to the quality of the architectural environment. The sustainability of the materials used, along with air quality or energy consumption, are significant factors in museum architecture – because only something that makes no one ill and benefits everyone can be beautiful.


Using LEDs in conjunction with control concepts that adapt the light to the daylight or the way rooms are used can lead to considerable savings in energy consumption. Especially in office areas, entrance halls, corridors, sanitary facilities, shops or premises for events, investments in energy-efficient refurbishments pay for themselves within just a few years.

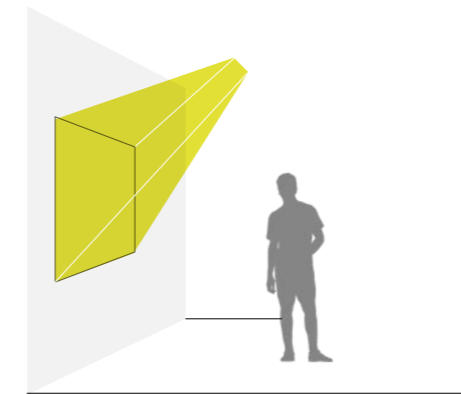


House of Brandenburg-Prussian History, Potsdam
LT1 Stratas XIC, track spotlights

Staging art Highlighting contours and showcasing details

Contour spotlights allow objects to stand out from the exhibition space and showcase them against their surroundings. Like this, it is possible to create stand-out focal points and dramatic moments that allow visitors to enter into a new relationship with an artwork and that combine with the spatial experience to create something more holistic.

 Contour spotlight



Vertical lighting and ideal illumination Create contrasts and highlight objects

Objects of different sizes in dynamic arrangements, different colours, textures or surfaces must be placed in the right light. InstaLighting lighting systems not only have a wide range of optics, but can also be adapted in brightness and light colour to the corresponding requirements for illuminating works of art.

Changeable optics



Modern Literature Museum, Marbach
LT1 Stratas XIC, LT1 Stratas XIC WW, track spotlights



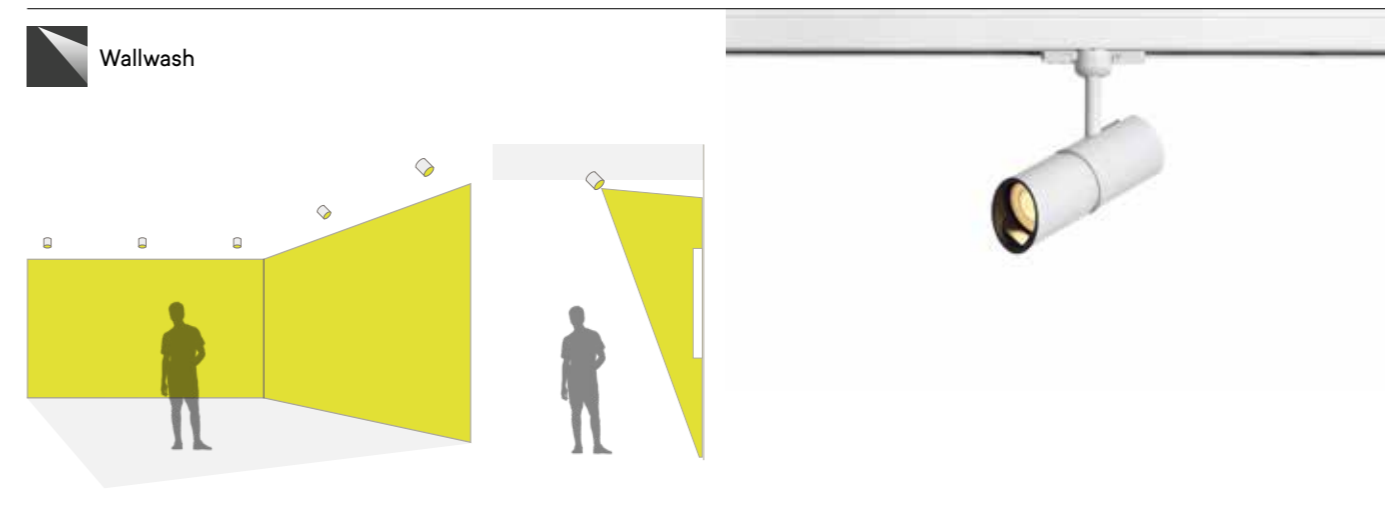
Dommuseum, Mainz
LT1 Stratas XIC, Schienenstrahler

Surface design with wallwash effects

Uniform illumination for wall texts or large-scale wall designs

Wall texts and graphic displays explain contexts to visitors of an exhibition. Uniform illumination makes texts easier to read and ensures accessibility even for people with impaired vision.

Not only special wallwash optics play a role here, but also the quality of the LED modules with flicker-free lighting effects even when the brightness is dimmed.

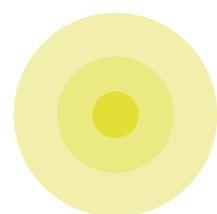


Flexibility and simplicity

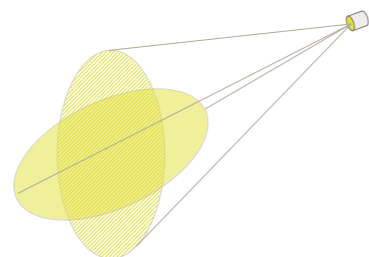
All possibilities in one light system

Variable adjustment of the beam angle and simple clip-on lenses allow precise control of the lighting effect without the need to replace the luminaire. Zoom optics and a wide range of accessories expand options and reduce costs.

Zoom optic (14°-48°)



Sculpture lens for portrait and landscape objects



Modern Literature Museum, Marbach
LT1 Stratas XIC, LT1 Stratas XIC WW, track spotlights

Track spotlight LT1 Stratas XIC

Optimum quality of light and
Colour reproduction

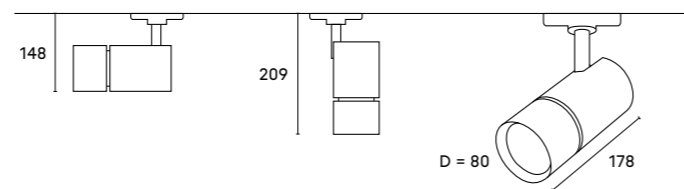


CRI 98

Available light colours

3.000 K

Dimensions XIC (mm)



Optiken und Lichtverteilungen



Stratas XIC
11° / 20° / 40° / 60°
1.050 / 1.800 lm
26 / 27 W
Poti / Poti & DALI /
Dali and Bluetooth

Stratas XIC WW
Wallwash
1.800 lm
27 W
Poti / Poti & DALI /
Dali and Bluetooth

Accessories



Honeycomb Sculpture lens Anti-glare cylinder Ring grid



Track spotlight LT1 Stratas MB

Optimum quality of light and
Colour reproduction

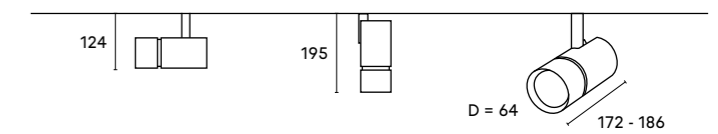


CRI 98

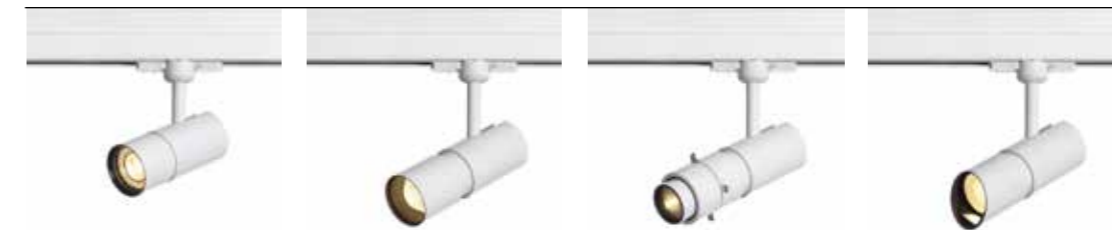
Available light colours

3.000 K

Dimensions MB (mm)



Optics and light distributions



Stratas MB
14° / 30° / 43° / 60°
650 / 1.050 / 1.140 lm
17 W
Poti / Poti & DALI

Stratas MB Zoom
14° - 48°
740 lm (@48°)
17 W
Poti / Poti & DALI

Stratas MB PR
Contour
650 lm
17 W
Poti / Poti & DALI

Stratas MB WW
Wallwash
1050 lm
24 W
Poti / Poti & DALI

Accessories



Honeycomb Sculpture lens Diffusor Anti-glare cylinder Snoot





St. Nikolai memorial, Hamburg
 OS1 3050, spotlights and floodlights
 OS3 1065, spotlights and floodlights



Humboldt Forum, Berlin
 OHR1 4020 LN, OGL4 LH2 handrail light inserts,
 recessed floor lights

Illumination of facades, orientation and mise-en-scène in outdoor areas

Museums are points of interest for visitors and constitute centres in the cultural life of a city or region. The architectural design of facades and the quality of the public space in front of the museum open up cultural institutions to the city and society. Light gives this space identity, creates security and can itself become a medium for artistic interventions.

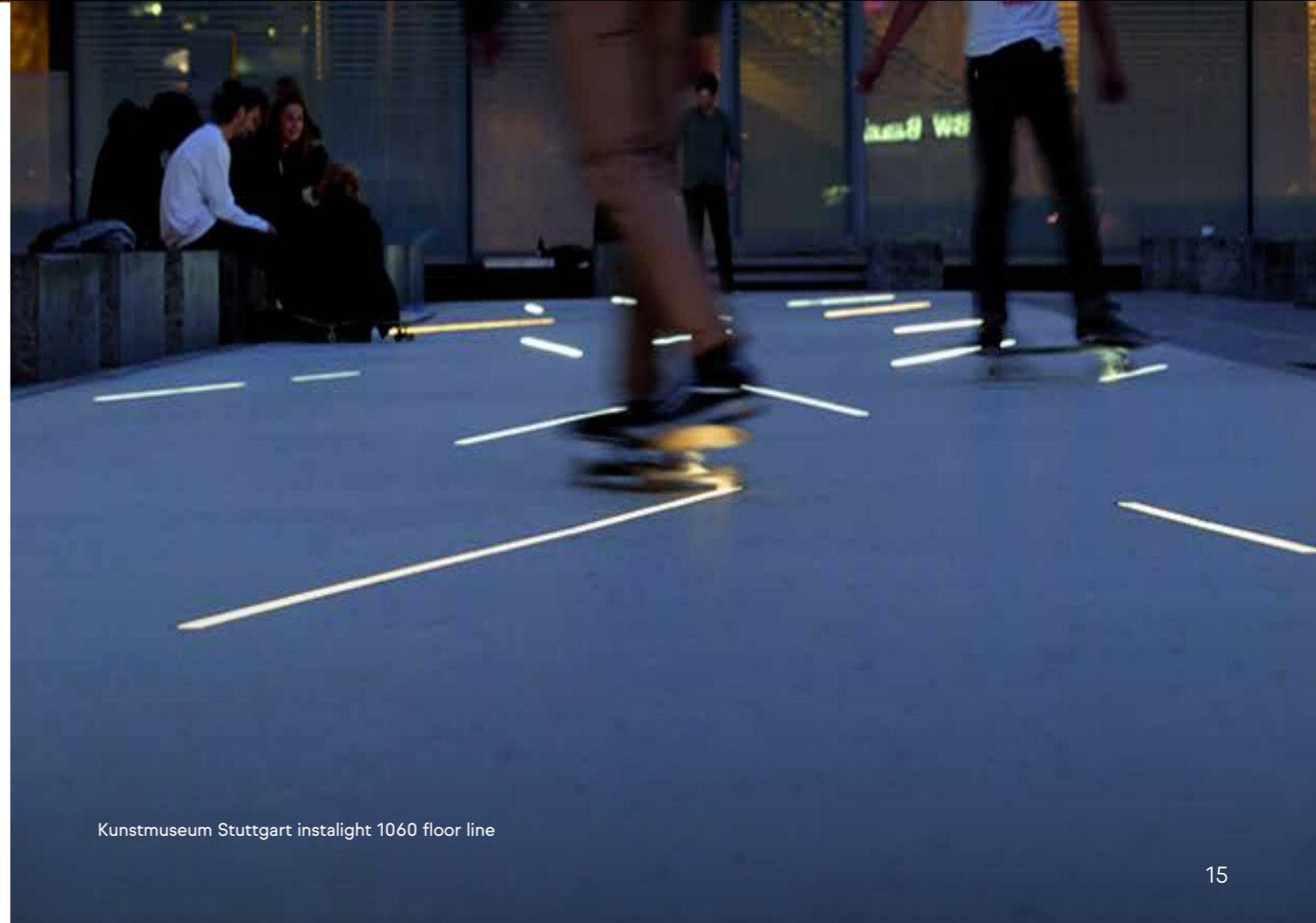
Floor line OGL1



Handrail insert OHR 2



Outdoor projector OS4



Kunstmuseum Stuttgart instalight 1060 floor line



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