

MUSEO/radius



exenia

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Precise Radial Beam Technology

Precise beam definitions and **subtle gradations** available from **6° through to 40°** make **Radius** a high-precision lighting tool.



Create Scenes of Brilliant Light

Two types of **Dynamic White** are available to allow control across the whole of the white LED spectrum. Also options with **RGBW** to create a vivid array of colours and detail, **all controlled via DMX/RDM or DALI**.

And not forgetting the exclusive **Lumentalk system** which allows scenic and programmable visual creations even where wiring and additional infrastructure interventions are impossible.

Accessorise your Control

Complementary accessories allow for complete control of the illuminated visual elements. A series of **innovative, modular attachments** can be utilised to further the aesthetics of visual comfort and **control of the luminaire**.



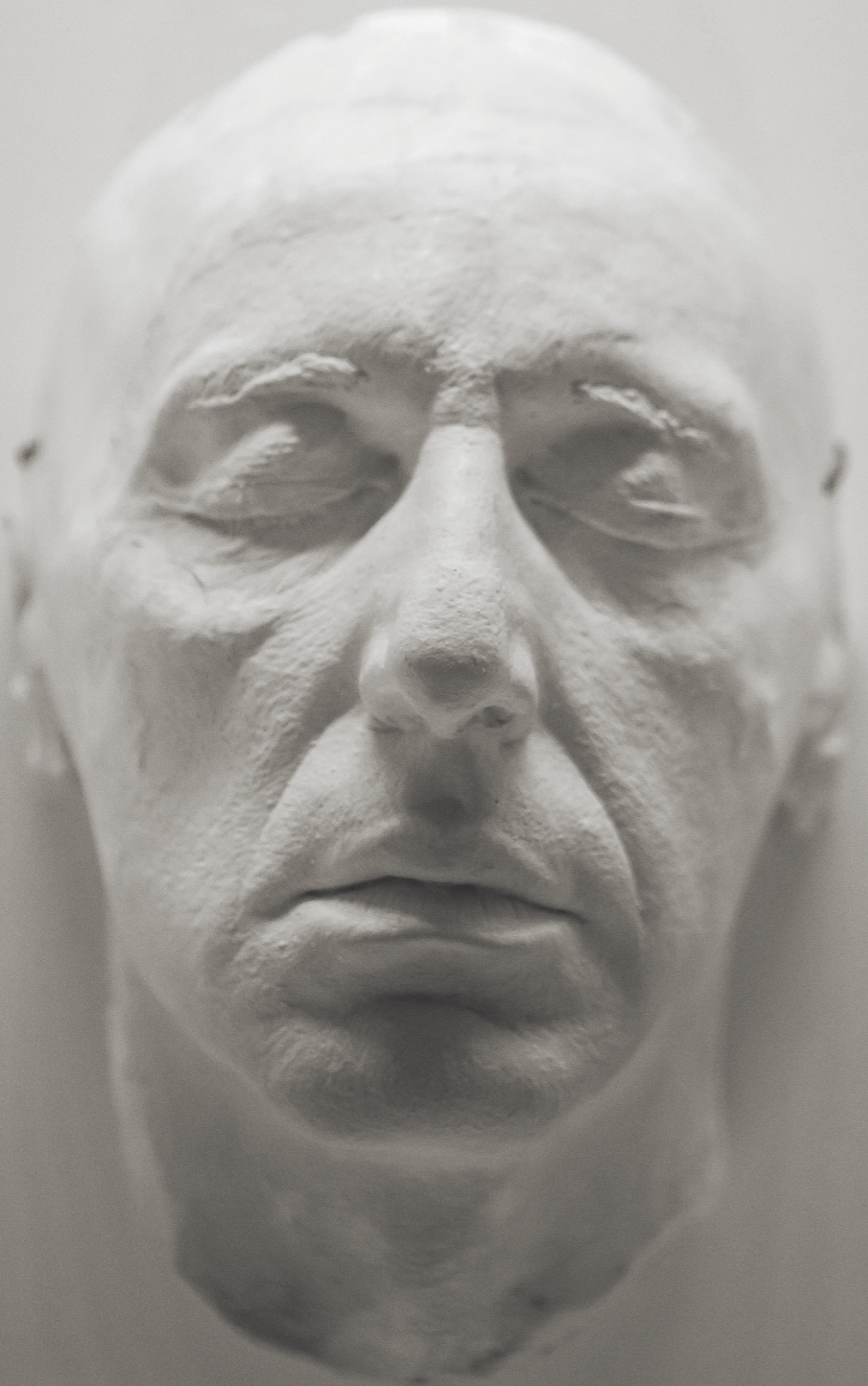
Art illuminated



For many artists, light is the main ingredient in their art. The manipulation of light to form depth and drama is many a painter and architect's mainstay. The Museo Radius family was developed to ensure the work of these artists can be seen for all their beauty.

These luminaires are sized to best suit a number of indoor applications, from lighting a cathedral ceiling to a sculpture's curves and corners.

Invisible revelation



The Art of Mounting

Mounting options are specifically designed to be unobtrusive while overcoming dimensional and mechanical restrictions. With three sizes and luminaire heads that are highly adjustable, their reach is extensive.

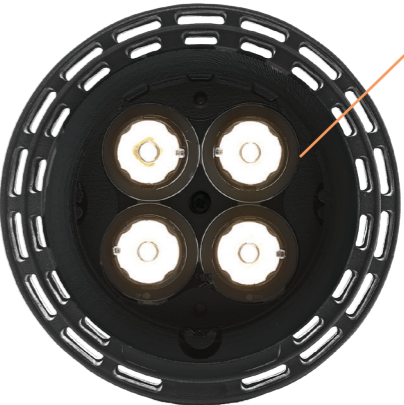
The Art of Lighting

Stackable and field-changeable accessories — including louvres, snoots, and spread lenses — help you craft light to your design and vision while making sure the art and architecture are appropriately lit.

Medium
Ø144 mm



Small
Ø118 mm



Nano
Ø57 mm



Historic structures

The interior lighting of historical structures celebrates valuable architecture while increasing safety, and enhancing civic pride. With low-impact, go-anywhere mounting options and a choice of colours to blend with any building material, let the celebrations begin.

Museums and galleries

Light can make or break an exhibition. Regardless of a work's inherent brilliance it still needs to be brought to 'life' by light. At its very best, exhibition lighting illuminates the artwork as it was meant to be seen by the artist and enhances the experience of the viewer without any compromise. The MUSEO RADIUS family is devoted to bringing the very best lighting experience to exhibitions, their flexibility in delivering differing concepts of light from the many mounting options available, make them a curator's dream.



Places of worship

The power of light is a cherished aspect in many places of worship. The use of non-invasive, high-performance lighting fixtures, with precision optics along with minimal, soft shapes and colour finishes matched to the surface on which they are installed, let light do its real magic. The Museo Radius family is that magic.



High ceilings and atriums

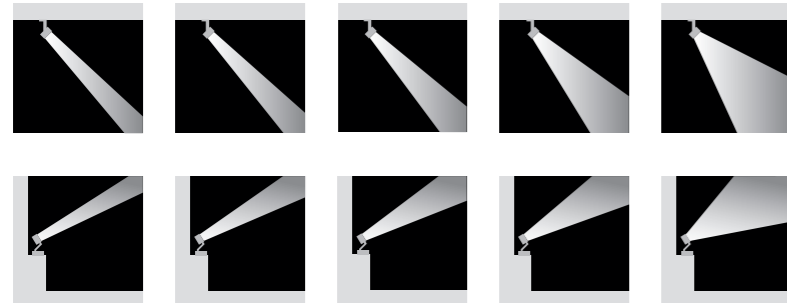
The Museo Radius family has the power to reach their targets while staying out of sight. Their ability to be mounted in hard to reach places along with their chameleon-like finish options, make them even harder to detect while lighting cathedral ceilings or grand entryways.

Up to
83,370 cd



Optics

With a wide range of optics, including Very Narrow Spot 6° (providing up to 83,370 cd), you can light precisely what you want without sacrificing quality of light. Lumenpulse optics have always been known for their accuracy and reach. Luminaires can be placed far from prying eyes and still light their targets. Each optical choice is ready to enhance any space, no matter the design.



Very narrow 6° Narrow spot 10° Narrow flood 15° Medium 25° Flood 40°



RA90+

Colour
consistency
within 2
SDCM

Quality of light

Lumenpulse optics produce an attractive, well-controlled beam with a tight field angle and minimal spill.

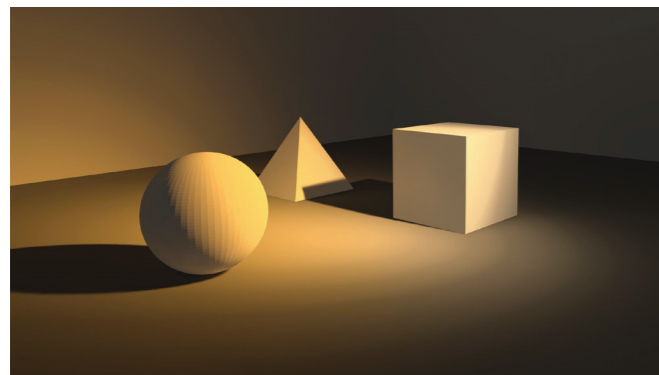
We designed them that way; we experimented until we got it right. Quality is something we insist upon; exquisite light is our business.


*Options vary according to model. Consult specification sheets.

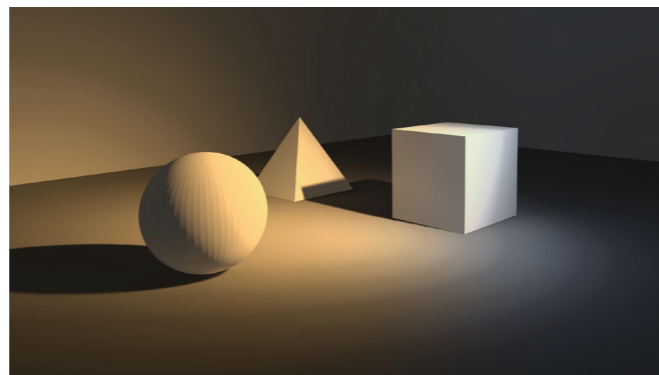


Dynamic light

The options for 'Dynamic White' and 'Dynamic Warm White' versions increase the opportunity to enable the creation of sophisticated scenarios while opening up the design to dedicated subtle adjustments; where on each work, its most intimate atmosphere can be calibrated by changes in illumination.



 Dynamic Warm 2200K/3000K



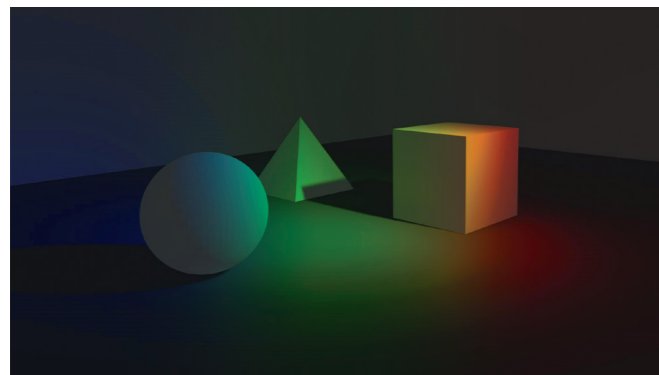
 Dynamic White 2700K/6500K



*Dynamic colour and dynamic white options are available for Museo Radius Medium models only.

Creative light

MUSEO Radius also offers a refined RGBW version where white light and tri-colour RED/GREEN/BLUE can be mixed to achieve innumerable chromatic saturations and precisely tuned graphic effects to suit any installation.



RGBW



*Dynamic colour and dynamic white sono disponibili solo per il modello Medium.

Base version

The new Base Mount option is designed to be mounted in nooks and crannies so prevalent on historic structures. It calls small cornices and shallow alcoves home. The mounting arm has two points of adjustment to light precisely what you need lit.



The Museo Radius is an adept accomplice in the art of accenting. Excellent for emboldening decor and architectural features from a great height, the Museo Radius has the performance, quality of light, and optic options needed to bring out the details of epic spaces.



Very narrow
6°



Narrow spot
10°

The Museo Radius family can be recessed into a ceiling, mounted on a track, or base-mounted on shallow lintels and cornices. This gives lighting designers the flexibility needed to respect the architecture of essential structures while providing the general lighting essential to keeping a space safe and attractive to visitors.



Medium
25°



Flood
40°

Track version

Control how people see a space. The Track Mount is fitted with a track adapter that is compatible with UNITRACK, Stucchi tracks, or any Eurostandard track. Using the Museo Radius Track Mount lets you use any number of controls, from Bluetooth to DALI.*

The art of accenting art is also the art of adaptability. Museum and gallery shows change, sometimes multiple times a year. A luminaire that can change its programming, positioning, and accessories is art's best friend.



Very narrow
6°



Narrow spot
10°

*A Bluetooth to DALI translator accessory is required to enable Bluetooth control.

Monopoint version

The Monopoint Mount allows you to wire a single unit to a junction box and is available with two different adapters (surface mount or recessed adapter). The perfect tool for accent lighting, light is easily directed however you need it.

General lighting provides a base coat of light that can then be built upon. Used in conjunction with other applications, or on its own, general lighting is a staple of multi-use spaces such as offices, circulation areas, conference rooms, public spaces, atriums, and airports.



Medium
25°



Flood
40°



*A Bluetooth to DALI translator accessory is required to enable Bluetooth control.

Optical accessories

Louvres, snoots, and spread lenses let you craft the light for your designs while making sure the art and architecture are appropriately lit. Easily changeable in the field means you can change the optical accessories and your mind as often as you like.



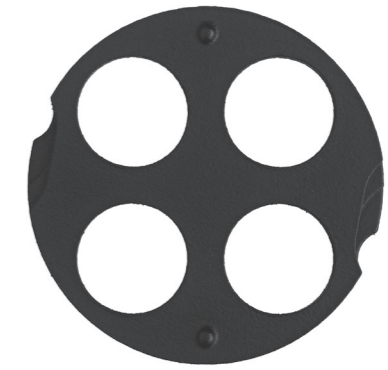
Standard equipment



Primary louvre

Nano/Small/Medium

Primary ring, included, houses all accessories with a quick-click system.



Secondary louvre

Small/Medium

Internal antiglare module, it can be configured in double overlapping element with twist and lock system. It does not change the aesthetic impact while remaining protected from the front glass. Available for Small and Medium versions.



Glass lens

Nano/Small/Medium

Front screen, in very high transparency glass, it guarantees protection and maximum optical efficiency of the system.

Accessories



Snoot

Nano/Medium

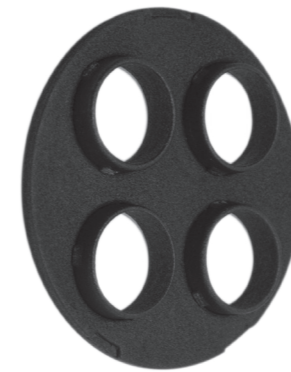
Anti-glare tool. Circular shielding shape, with external rapid-click system.



Visor

Nano/Medium

Anti-glare tool. Partial shielding shape, with external rapid-click system.



Snoot

Small

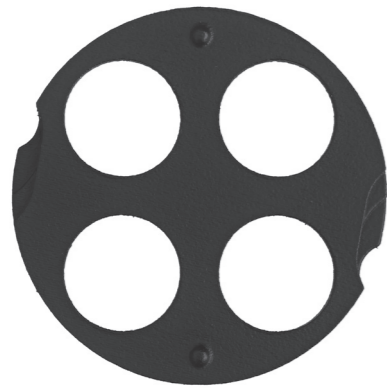
Omnidirectional fractional collar, anti-glare system. External insertion with quick-click system.



Multivisor

Small

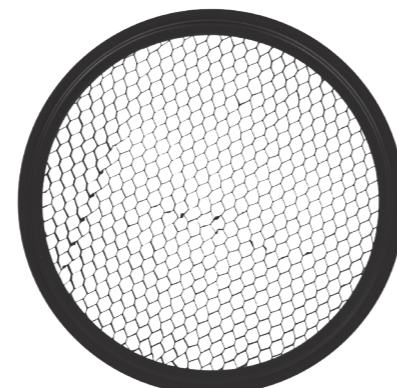
Directional fractional collar anti-glare system. External insertion with quick-click system.



Secondary Louvre

Small/Medium

Twist and lock module, internal positioning for incrementable anti-glare.



Honeycomb louvre

Nano/Small/Medium

Honeycomb anti-glare module. Quick-snap external insertion.



Linear spread lens

1° x 40°

Nano/Small/Medium

Elliptical beam rotatable lens, with quick snap insertion.



Linear spread lens

1° x 60°

Nano/Small/Medium

Elliptical beam rotatable lens, with quick snap insertion.

Options stacked with possibility

Create a signature, memorable space. The combinations are as endless as the imagination. Stack up to five optical accessories to create your ideal shape of light.



Consult specification sheets for recommended accessory composition
*Provided with luminaire

Finishes

New finishes, such as matte sand, rust effect, and concrete grey, blend seamlessly with stone, wood, or marble interiors to become as unobtrusive as possible.



MATT SAND



RUST EFFECT



CONCRETE GREY



TEXTURED BLACK



TEXTURED WHITE



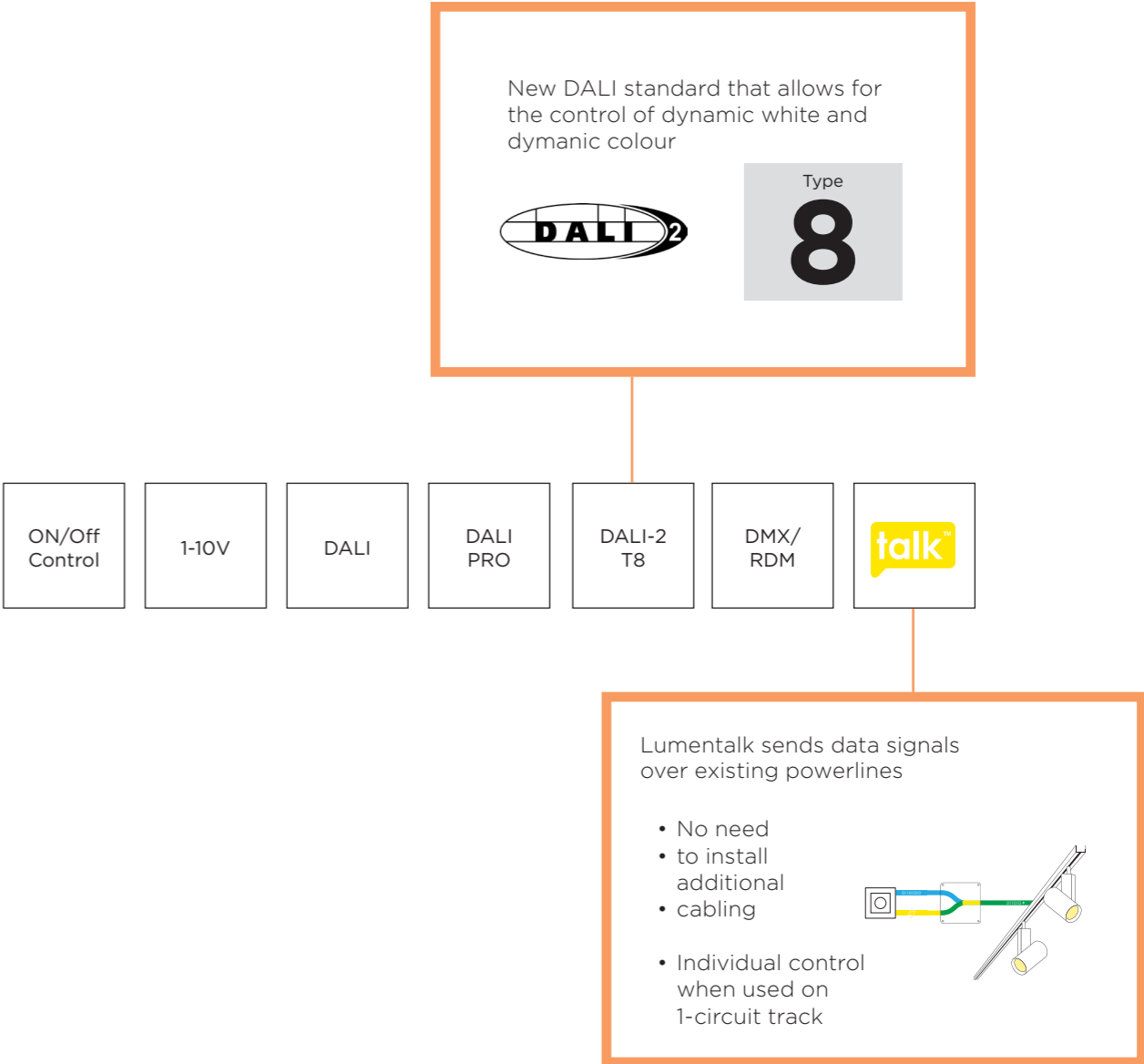
CUSTOM COLOURS

Controls



The Museo Radius lets you choose how to best control your lights. The new DALI-2 T8 offers a familiar indoor control protocol for dynamic installations while Bluetooth provides the ultimate in ease and flexibility of control.

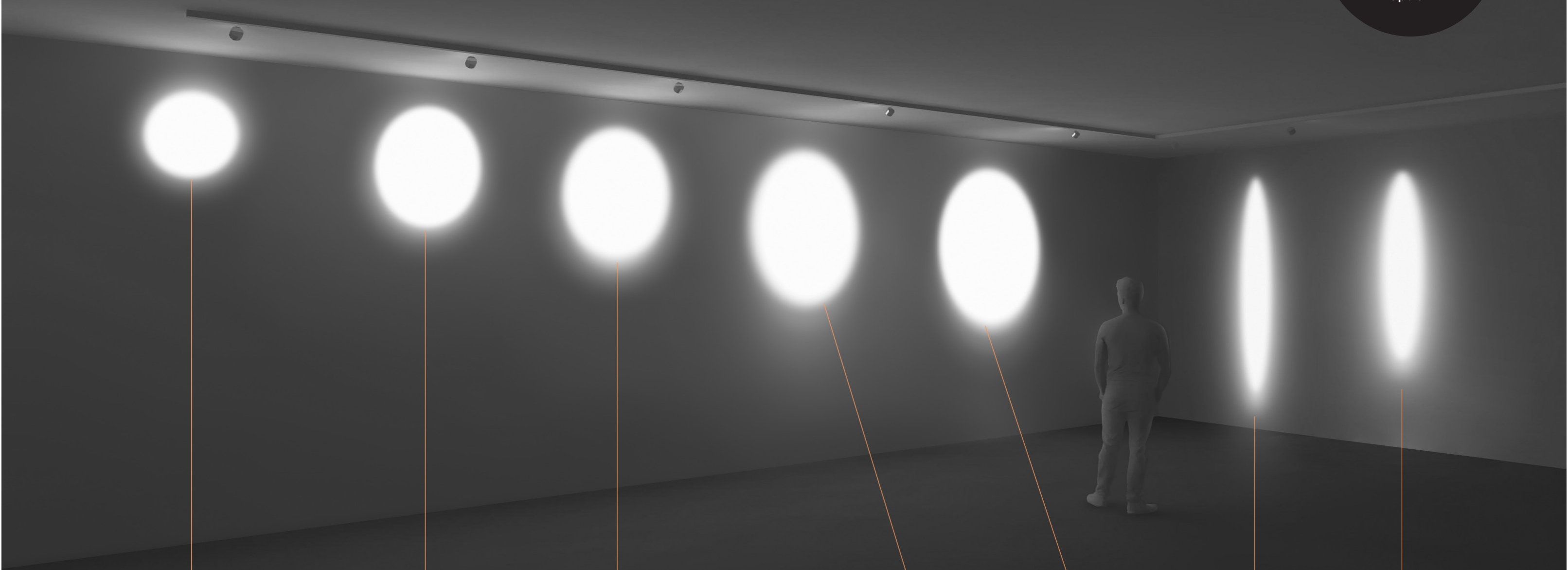
Our tried and true Lumentalk control protocol lets you send digital information over your existing wiring, lowering the cost and impact on historical structures as no new wiring is required.



Performance

The Museo Radius family's performance is an art unto itself. With their first-class offerings of dynamic warm and white or colour, every performance gets an encore. Their enhanced digital control and dimmability; long-term energy and maintenance savings (L80 up to 180,000 hrs); high output capabilities (up to 4000lm); and exceptional colour rendering and consistency (CRI90 within a 2-step MacAdam ellipse) are worthy of a standing ovation.

Spread lenses are easily installed in the field and can be combined with any Museo Radius optic.*



Very Narrow
6°
26 W
1,875 lm
83,370 cd

Narrow Spot
10°
31,5 W
2,697 lm
36,166 cd

Narrow Flood
15°
37 W
2,774 lm
38,263 cd

Medium
25°
48 W
3,986 lm
16,663 cd

Flood
40°
48 W
3,299 lm
9,265 cd

Very Narrow + Flood linear spread lens
6°x 60°
26 W
1,444 lm
11,754 cd

Very Narrow + Spot linear spread lens
6°x 40°
26 W
1,579 lm
8,121 cd

NOTE: Performance based on Museo Radius Medium 4000K.

Summary sheet

MUSEO RADIUS BASE/MEDIUM

CE RoHS IP20

CRI	80+	90+	80+	90+	80+	
SHADES OF LIGHT	2200K 2700K 3000K 3500K 4000K	Dynamic white 2700K / 6500K	Warm white dynamic 2200K / 3000K	RGBW Bianco 4000K		
DISTRIBUTION OF THE LIGHT	Very Narrow 6° /26W Narrow Spot 10° /32W Narrow Flood 15° /37W Medium 25° /48W Flood 40° /48W Elliptical Spot - Elliptical Flood -	Very Narrow 6° /26W Narrow Spot 10° /26W Narrow Flood 15° /26W Medium 25° /26W Flood 40° /26W Elliptical Spot - Elliptical Flood -	Very Narrow 6° /26W Narrow Spot 10° /26W Narrow Flood 15° /26W Medium 25° /26W Flood 40° /26W Elliptical Spot - Elliptical Flood -	Very Narrow 6° /26W Narrow Spot 10° /26W Narrow Flood 15° /26W Medium 25° /26W Flood 40° /26W Elliptical Spot - Elliptical Flood -		
CONTROLS	ON/OFF 1-10V Dimming DALI T6 DALI PRO 0,1% dimming Lumentalk	DALI-2 T8 DMX/RDM Lumentalk	DALI-2 T8 DMX/RDM Lumentalk	DALI-2 T8 DMX/RDM Lumentalk		
FINISHES	Textured Black Textured White Concrete Grey Matt Sand Rust effect Custom finish and colours	Textured Black Textured White Concrete Grey Matt Sand Rust effect Custom finish and colours	Textured Black Textured White Concrete Grey Matt Sand Rust effect Custom finish and colours	Textured Black Textured White Concrete Grey Matt Sand Rust effect Custom finish and colours		
OPTICAL ACCESSORIES	Secondary louvre Honeycomb louvre Snoot Visor	Snoot Visor	Snoot Visor	Snoot Visor		

MUSEO RADIUS SMALL/BASE

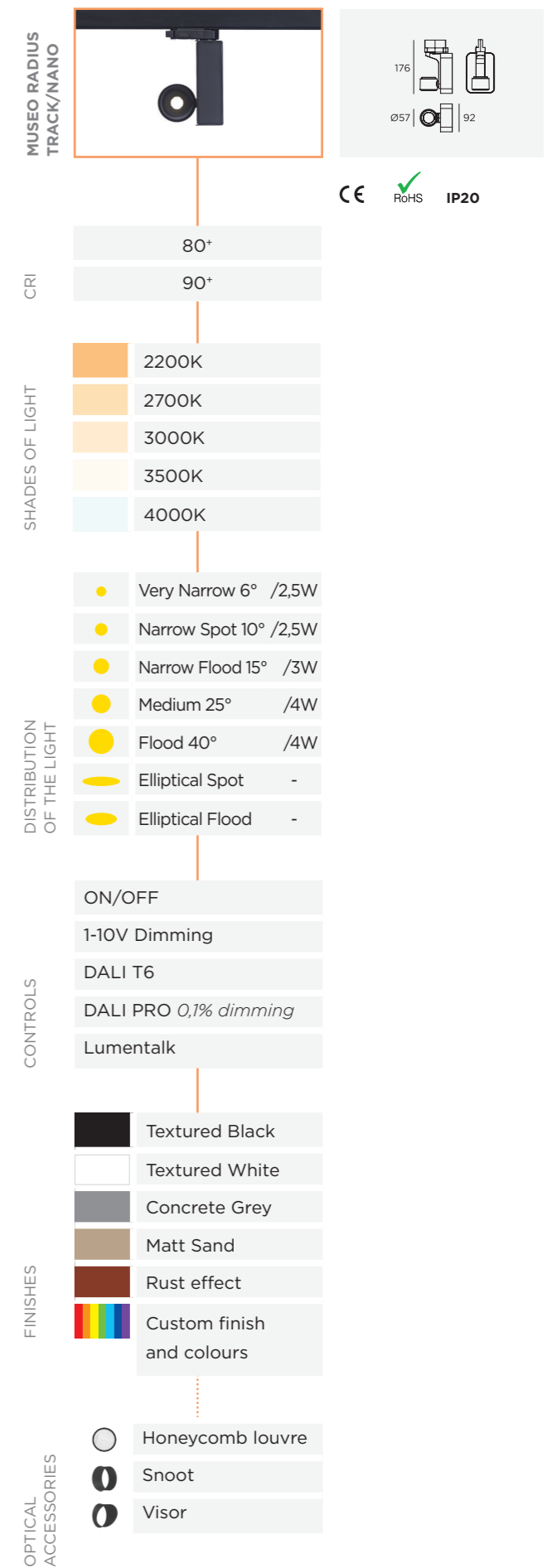
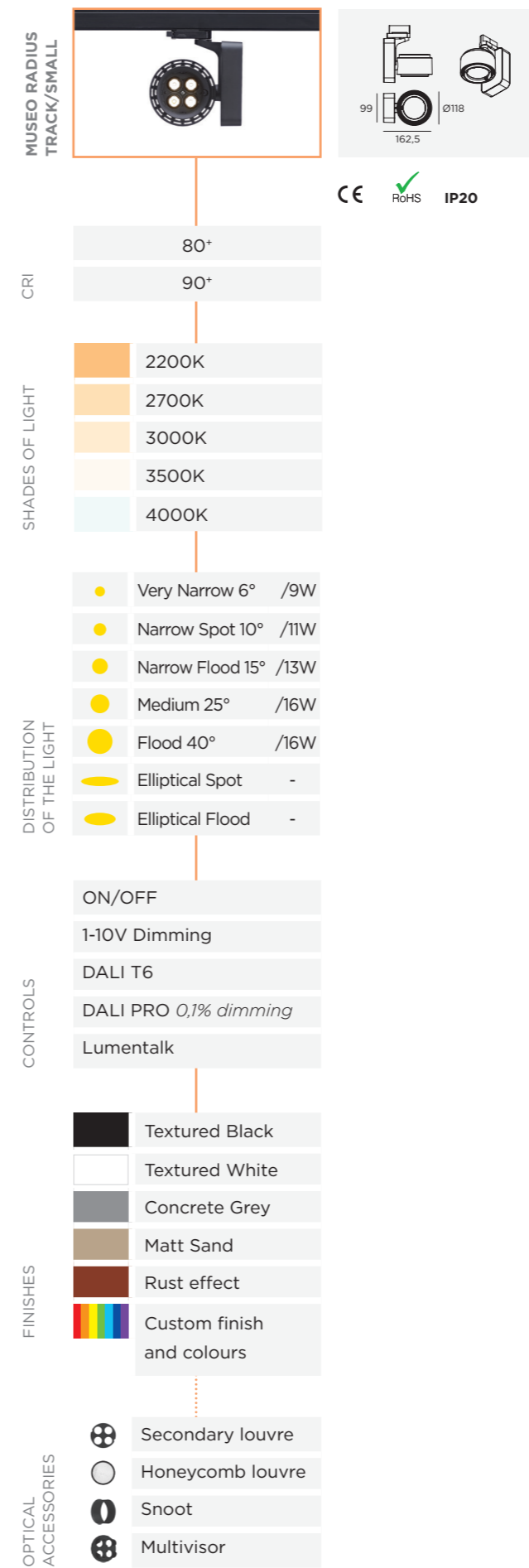
CE RoHS IP20

CRI	80+	90+
SHADES OF LIGHT	2200K 2700K 3000K 3500K 4000K	
DISTRIBUTION OF THE LIGHT	Very Narrow 6° /9W Narrow Spot 10° /11W Narrow Flood 15° /13W Medium 25° /16W Flood 40° /16W Elliptical Spot - Elliptical Flood -	
CONTROLS	ON/OFF 1-10V Dimming DALI T6 DALI PRO 0,1% dimming Lumentalk	
FINISHES	Textured Black Textured White Concrete Grey Matt Sand Rust effect Custom finish and colours	
OPTICAL ACCESSORIES	Secondary louvre Honeycomb louvre Snoot Visor Multivisor	

MUSEO RADIUS NANO/BASE

CE RoHS IP20

CRI	80+	90+
SHADES OF LIGHT	2200K 2700K 3000K 3500K 4000K	
DISTRIBUTION OF THE LIGHT	Very Narrow 6° /2,5W Narrow Spot 10° /2,5W Narrow Flood 15° /3W Medium 25° /4W Flood 40° /4W Elliptical Spot - Elliptical Flood -	
CONTROLS	ON/OFF 1-10V Dimming DALI T6 DALI PRO 0,1% dimming Lumentalk	
FINISHES	Textured Black Textured White Concrete Grey Matt Sand Rust effect Custom finish and colours	
OPTICAL ACCESSORIES	Honeycomb louvre Snoot Visor	



The Basilica of San Miniato

Florence - Italy



Case History



The Basilica of San Miniato al Monte, in Florence, is an absolute jewel. Not only because of its outer beauty, but also due to the masterpieces kept within its walls. Although it is a much sought-after tourist destination, the basilica is set aside from the more chaotic tourist circuits, attracting only the most attentive and intrepid visitors.

Upon entering the basilica, one is struck by the contrast between the natural outdoor light and the darkness of the interior. It is this darkness that holds the brunt of the charm. The shadows fall naturally throughout the architecture, while thoughtful lighting in the shadowed areas intrigue and invite visitors. Massimo Iarussi's lighting design balances this natural and artificial light play while keeping the integrity of the architecture intact.



To pull off this type of design, with a minimal amount of impact on the space, Massimo Iarussi, Architect, used the Museo Radius family. Some of these projectors were placed at up to 20m away from their targets, to remain hidden, and used beams as narrow as 6°, which allowed for precise lighting over such a distance. Museo Radius luminaires were also used to light the main areas of the church, as well as to highlight the ceiling and the main aisles. The result preserves the shadows and enhances the overall contrast in the basilica.

Installed fixtures:

**Museo Radius
2700K
Very narrow 6° beam
Lumentalk**



Bringing a long lost ceiling back to light

The architectural elements throughout the basilica are tactfully lit to allow the contrast between bright daylight and the shadows to guide the eyes of visitors towards the presbytery effortlessly, then towards the apsidal basin and its marvellous mosaic, which is the focal point of the basilica. The flooring's mosaic marble inlays are illuminated by Museo Radius luminaires mounted on the trusses above, using a 6° beam.

The use of the control protocol, Lumentalk, made it unnecessary to install additional data because of its capability to send digital signals over pre-existing electrical wiring. Lumentalk was paramount in preserving the historic architecture and helping to make the lighting design seem inherent to the space while still granting DMX/RDM digitally controlled fixtures.

In both daylight and during the night, the luminaires work to complement the architecture and art of the Basilica of San Miniato al Monte without interfering with the structure and its innate shadow play. The outcome of such a design is that the austerity, and awe of such a monumental space stays intact while still allowing visitors, parishioners, and clergy to move safely throughout.

The creation of differentiated lighting scenes for each of the Basilica's many functions using Lumentalk.



Maximum contrast for concerts and other special functions.



Medium contrast for daily religious functions.



Higher illumination to highlight and showcase architectural elements.

Baroque emotion. the Guercino in Cento

Cento, Ferrara - Italy



Case History



The exhibition “Baroque emotion. Il Guercino a Cento” offered an important opportunity to admire the work of Giovanni Francesco Barbieri, known as Guercino (Cento, 1575 - Bologna, 1666) in his hometown, to which he was intimately linked and deeply loved by it. The location of the exhibition was the Church of San Francesco - now deconsecrated, and since 1870 owned by the Heritage of Studies - which after the earthquakes of 2012 became the home of the San Lorenzo Art Gallery.

The interior of the church, which is completely white, presents compositional solutions of clear Baroque inspiration.

Among all the architectural and sculptural elements, the generous cornices - placed over eleven meters high - that surround the whole church certainly stood out. The widespread presence of these frames suggested the idea for using the new MUSEO Radius projectors to provide a solution to lighting the works of art.

In the space offered by the main nave and the presbytery area, an interesting setting created by a strong contrasting chromaticity, hosted 27 paintings - most of which belong to the Civic Art Gallery. In the evocative “blue room” a collection of over 20 drawings - owned by the Municipality of Cento - has been found, rarely visible to the public. In both exhibitions, the MUSEO Radius has created an illuminance respectful of the history of the building, minimal in disturbance, but above all of great precision.



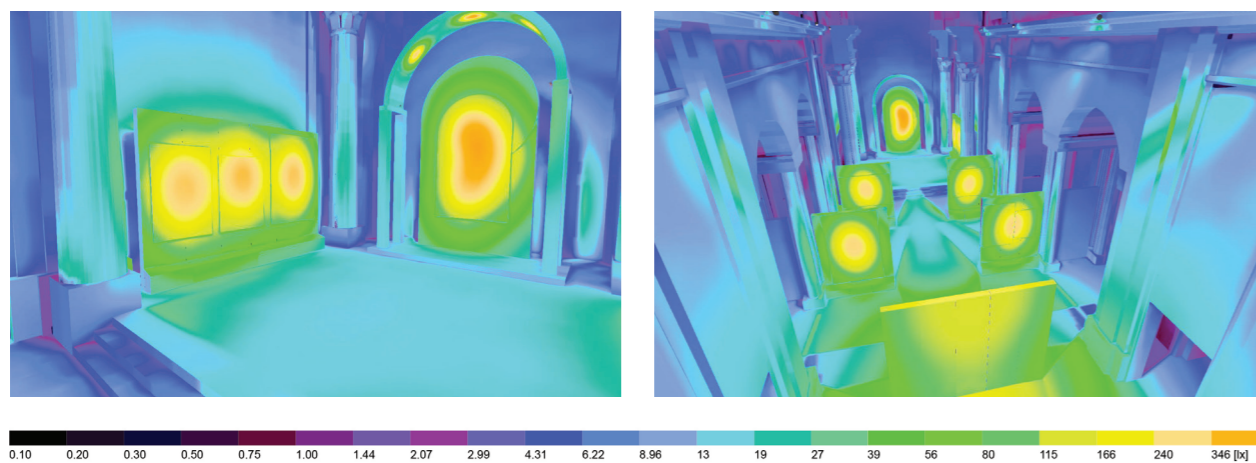


Photo: DIGITALMEDIA100 / Stefano Ghelfi / Cento (FE)

The arrangement of the display panels and their considerable distance from the frames made it necessary to carry out a preliminary lighting design study for the installation of the luminaires. The calculated simulation made it possible to precisely identify both the beam angle requirement of the MUSEO Radius and the lumen outputs, which were both adapted to the required lighting levels.

Throughout the consultation process, the network and volumes of the display panels contained within the architectural elements required an appropriate study to further allow for the optimum positioning of the luminaires. Therefore reducing shadows and any unwanted light reflections on the art works. The precision of the beams offered by the MUSEO Radius combined with the use of the Visor accessory, made it possible to obtain optimal illumination of the works exhibited, along with a high level of visual comfort for the visitor.



Installed fixtures:

- Museo Radius**
- Medium Base / Nano Base**
- 3000K**
- Very narrow 6° beam**
- DALI**

Note

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