



ZUMTOBEL



ARCOS III

zumtobel.us/arcos



The new ARCOS has surpassed itself. The newly developed optical system offers even better light quality and unique flexibility. We've retained the tried-and-tested minimalist design and the precise structures.

David Chipperfield

David Chipperfield Architects, London | UK



"ARCO"
AND COMPANYS





Bauhaus Museum Dessau
Addenda Architects, Barcelona | ES

A MASTERPIECE OF LIGHTING

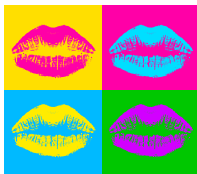
Museum visitors can lose themselves in the beauty of the artworks thanks to lighting that promises absolute freedom in presentation and drama. **ARCOS III zoomfocus** tunableWhite allows the light to be adapted for any era or style.



Old Masters



Impressionism



Contemporary art



Photography

LIGHTING FOR ALL:

ARCOS III zoomfocus tunableWhite allows the light to be adapted for any era or style.



Lehmann Maupin Gallery, Hong Kong | CN

LEE BUL





SIZE L

Spot - 10050 cbcp



SIZE M

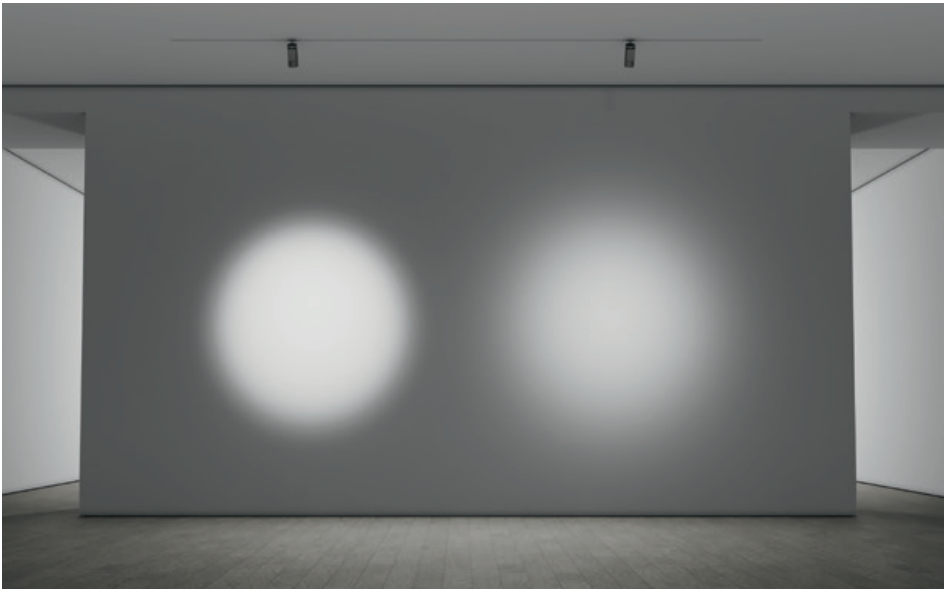
Spot - 10050 cbcp



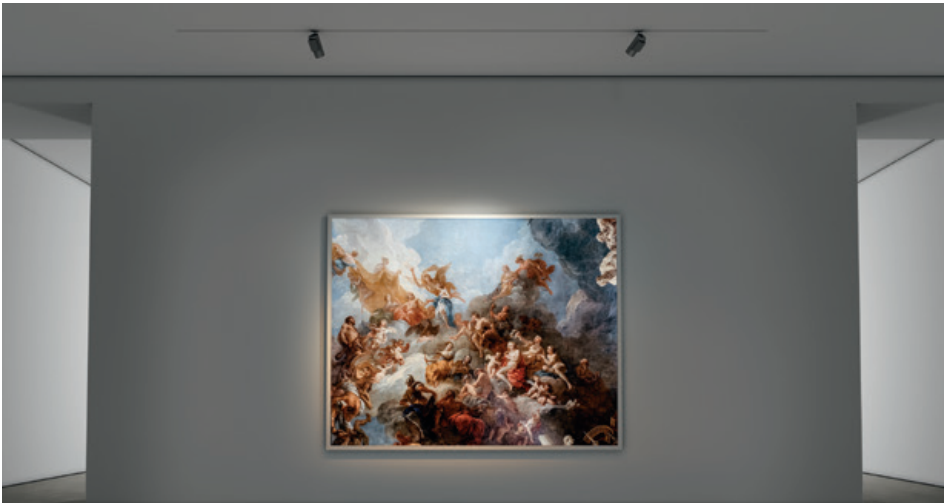
The spotlight can be flexibly adapted to the size of the artwork. Whichever beam angle is selected, you'll find absolute precision and excellent uniformity without stray light.



Thanks to the unique, easy-to-adjust zoomfocus lens, the same light distribution can be achieved from different distances and beam edges sharpened or softened as required.



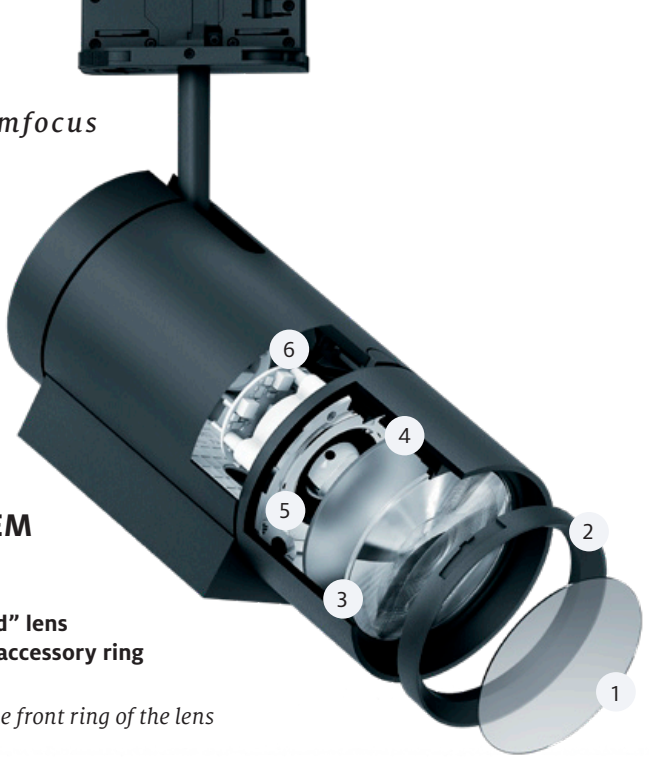
Whether accent lighting for sculptures and selected details – employing maximum contrast (left luminaire) or lighting with a softer beam (right luminaire): the fine adjustment of the beam characteristic using the focus function ensures a better quality of perception.



For this painting a mix of warm-white lighting for the whole surface (left luminaire) and cool-white accent lighting on the blue image area (right luminaire) was selected.

Variable color temperatures and adjustable light distribution – all from a single luminaire. A combination of warm-white and cool-white color temperatures paired with flood and spot distributions opens up a new level of perception and storytelling.

ARCOS III zoomfocus



OPTICAL SYSTEM

- 1 Oval lens and “Very wideflood” lens optional in the accessory ring**
 - Rotatable
 - Integrated in the front ring of the lens
- 2 Accessory ring**
- 3 Zoom lens**
 - Integrated within the zoomfocus cartridge
 - Intuitive handling
 - Light distribution options from Spot to Wideflood
 - Excellent glare control
 - Precision mechanics link zoom & focus control
- 4 Focus lens**
 - Integrated in the front ring of the lens
 - Intuitive handling
 - Enables softening or sharpening of beam edges
 - Precision mechanics link zoom & focus control
- 5 Mixing chamber with spherical lens**
 - Excellent color mixing and directing of the mixed light into the zoomfocus lens cartridge
 - Excellent color mixing and light beaming of the LED circuit board in the zoomfocus lens
- 6 LED module**
 - Maximum luminances in a very compact size
 - Excellent color rendering
 - 3-channel tunableWhite Ra > 90 (SDCM2) for perfect white light quality

ADAPTABLE

This ultra-precise lighting tool adapts easily to different ceiling heights and spatial configurations. Zooming and focussing is intuitive and functions in the same way as a camera lens. The special lens system enables variable light distribution as well as adjustable beam edges and color temperatures. No stray light. No multiple shadows. The gaze is drawn to what's important.

ARCOS III zoomfocus has been developed for constantly changing requirements at the highest level.

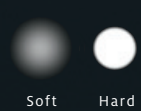
ZOOM



OVAL ZOOM



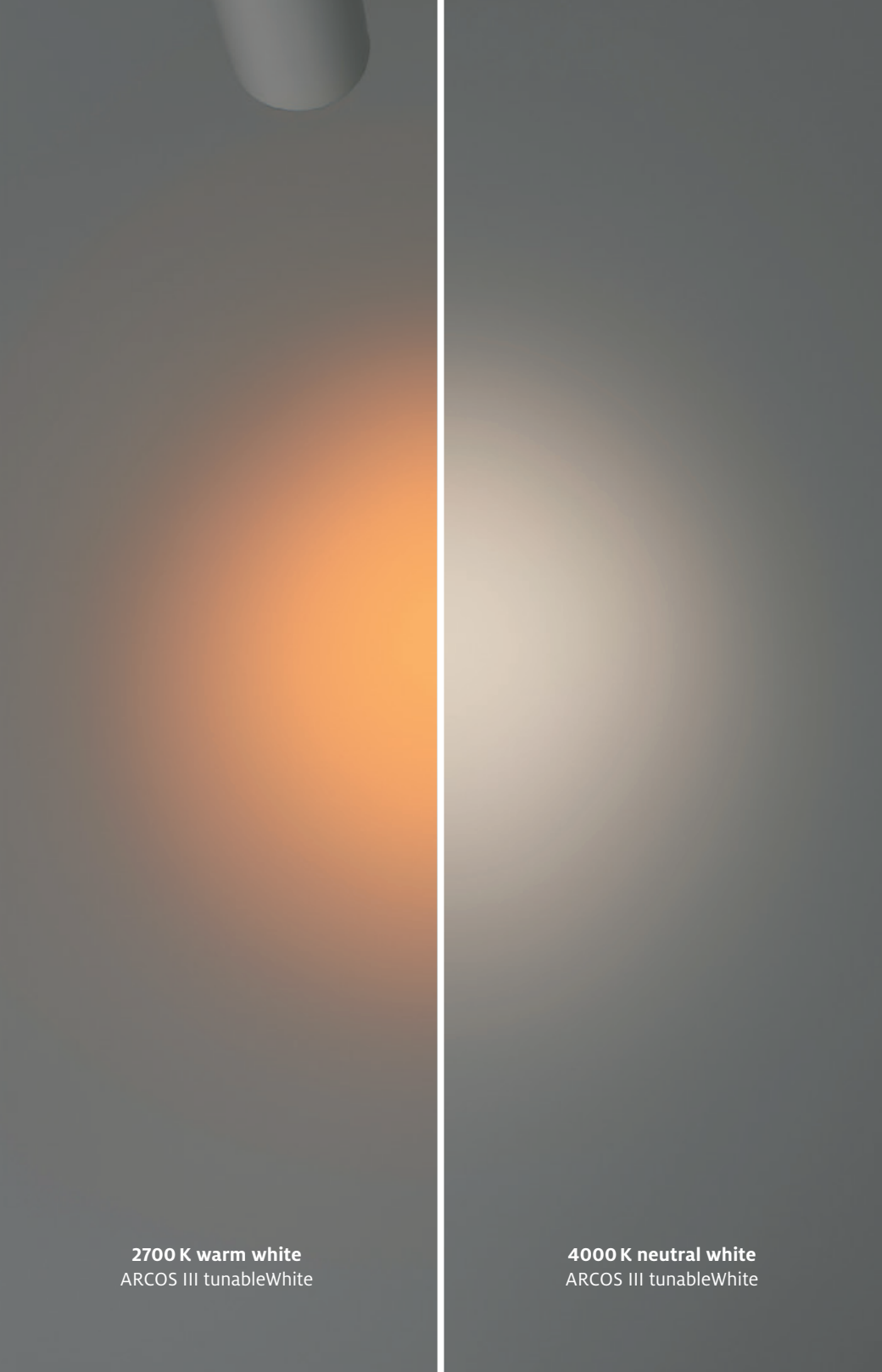
FOCUS



TUNABLE WHITE



2700K – 6500K



2700 K warm white
ARCOS III tunableWhite

4000 K neutral white
ARCOS III tunableWhite

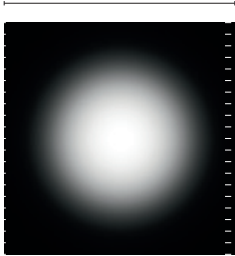
EVEN

The extremely precise light distribution ensures ultra uniformity and strong contrast for excellent quality of perception.

ARCOS III zoomfocus enables artworks to be illuminated with the right amount of light and without disruptive stray light.

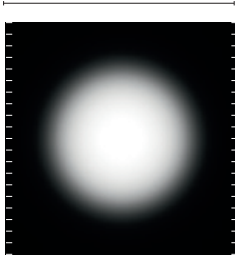
Soft edge

>90% of light reaches the area of 78" X 78"



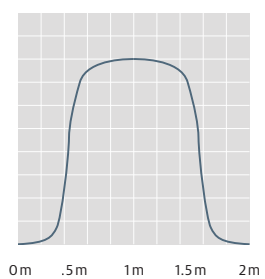
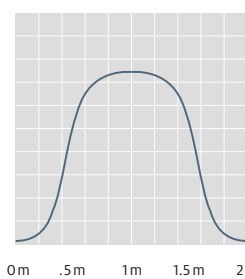
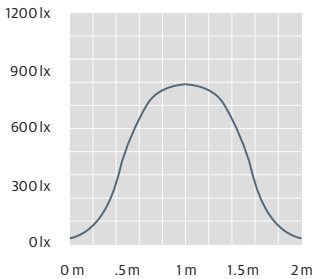
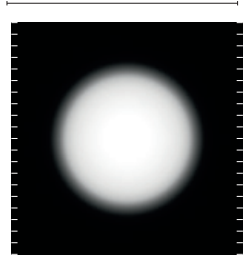
Soft to hard edge

>94% of light reaches the area of 78" X 78"



Hard edge

>96% of light reaches the area of 78" X 78"



Framework conditions

Distance between luminaire and wall: 13' | Beam angle: 15°



Conventional lighting with one type of luminaire



Using at least two luminaires in accordance with the Monza Method, contrasts and tonal differences are increased and details better perceived by the observer.

ORIGINALITY

Only the right light makes viewing an artwork a truly impactful experience. That's why we've equipped ARCOS III zoomfocus with our 3-channel tunableWhite technology. Combining the perfect color spectra with the right light distributions enables structures, colors, fine details and materials to be authentically presented, creating the contrasts and effects required.



TUNABLE WHITE FOR CHANGES OF MOOD

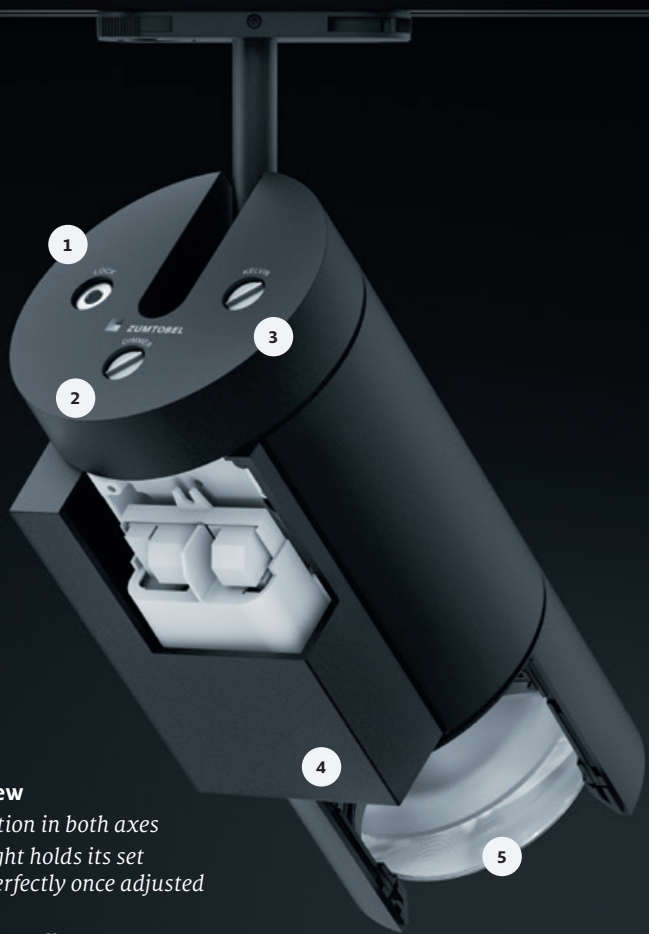
ARCOS tunableWhite technology uses adjustable light colors in combination with variable light distributions to create diverse moods and effects in order to meet a wide variety of requirements for exhibitions, styles and objects. The high color rendering with an Ra

value > 90 and color consistency (MacAdam 2) as well as the high color contrast resulting from the 3-channel color mixing substantially improves the presentation of the exhibit. **ARCOS III zoomfocus** gives museums managers a more sensitive and adaptable spotlight.

THE MONZA METHOD

The Monza Method is based on the relationship between colors and the human system of perception. Through the controlled changing and combining of light sources with different spectral distribution curves, particular pigments can be better perceived by

the human eye. A slow, dynamic changing of color temperature can be used to draw attention to different colors and figures, allowing them to be viewed from other perspectives.



- 1 Locking screw**
- Locks position in both axes
 - The spotlight holds its set position perfectly once adjusted

- 2 Dimming controller**
- ON-board dimming
 - Bluetooth® options allow full control of footcandle values on the objects - to present but also conserve the artwork.

- 3 Color temperature controller**
- Seamless adjustment of the color temperature from 2700 K to 6500 K via control system or directly on the spotlight

- 4 Driver**
- Electronic driver components thermally separated from the LED
 - Bluetooth® driver and integrated Beacon enable easy integration into smart digital museum concepts
 - tunableWhite
 - 5 – 10 V

Lens

- 5**
- Highly intuitive and innovative zoomfocus lens
 - Variable light distributions and beam characteristics combined in a single mechanism

SOPHISTICATED

Precise and intuitively adjustable lighting for the flexible presentation of artworks. The selected spotlight position is secured thanks to the locking function.

The thermal separation of electronics and LED guarantees a long life time.

Networking via Bluetooth® makes the light easier to adjust and offers brand new possibilities for visitor interaction.

INTERACTIVE AND SUSTAINABLE

Interaction with digital museum guides allows the luminaires to detect when someone is standing in front of the artwork. Details about the origins of the work and the artist can be played on the end device. Art exhibitions become an informative experience.

The targeted lighting and a stronger contrast reduce the amount of light needed and collateral stray light. The smart luminaire opens up new ways of saving energy and reducing the potential for damage. The light can be easily dimmed or the color temperature adjusted using an app via Bluetooth® basicDim Wireless or onboard directly on the luminaire.



Albertinum, Dresden | DE

Architecture: Staab Architekten, Berlin | DE



National Museum, Warsaw | PL

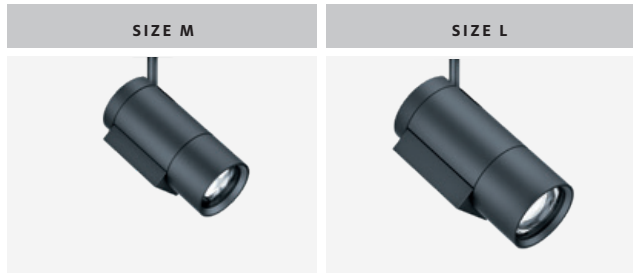
Architecture: WWA, Warsaw | PL



Stedelijk Museum, Amsterdam | NL

Architecture: Mels Crowwel, Benthem Crowwel Architects, Amsterdam | NL





DIMENSIONS	Diameter 4"	Diameter 4.75"
LIGHT DISTRIBUTION / BEAM ANGLE	ZOOM FWHM Superspot 9° – Wideflood > 30° FOCUS (beam edge) FW10th 14° – 50°	ZOOM FWHM Superspot 7° – Wideflood > 37° FOCUS (beam edge) FW10th 11° - 76°
ACCESSORIES	Oval lenses, Wideflood lens, Fix Beam setting	Oval lenses, Wideflood lens, Superspot cone & Fix Beam setting
COLOR TEMPERATURES	2700 K – 6500 K (tunableWhite)	
COLOR RENDERING	CRI Ra > 90 (3-channel tunableWhite)	
SDCM	MacAdam 2	
CONTROL / LIGHT MANAGEMENT	Bluetooth® basicDIM Wireless + beacon integrated, 5 – 10V ON-board, flicker-free dimming	
COLORS	<input type="checkbox"/> White matte (WH) <input checked="" type="checkbox"/> Anthracite matte (AZ)	
ADJUSTMENT	Rotatable 360°, pivotable 90°, lockable	

T H E L I G H T

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We reserve the right to make technical changes without notice.