Uniscan 120V – A minimalist and multi-talented

The specialist for galleries as a supplement to existing lighting installations
Compact, flexible and easy to handle: Uniscan brings maximum quality of light to sophisticated art galleries and museums. The neutral, cylindrical shape blends into spaces of all styles. Adaptability is a key feature of Uniscan, because every exhibition needs different light. Light distributions can be changed at any time thanks to the interchangeable lens units. The darklight lenses give the Uniscan spotlights a magical appearance. Tunable white and wireless control via Casambi Bluetooth make it possible to interactively design with light colors and dimming values. Further dimming options and interfaces with interchangeable control units ensure future-proof connectivity.

Uniscan 120V for 2-circuit track

Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO lenses
- Made of optical polymer
- Darklight lenses: narrow spot, spot, flood, wide flood or extra wide flood
- Spherolit lenses: oval flood, oval wide flood or wallwash
- Zoom lenses: zoom spot or zoom oval; continuously focusable
- Projection lenses: narrow framing or wide framing; continuously focusable

2 Lens unit
- Rotatable through 360°
- Polymer, white or black
- Contour spotlights with framing attachment

3 ERCO LED-module
- High-power LEDs: warm white (2700K or 3000K), neutral white (3500K or 4000K), tunable white (2700-7500K) or RGBW
- Collimating lens made of optical polymer

4 Housing and bracket
- White (RAL9002), black or silver
- Die cast zinc or cast aluminum, powder-coated
- Pivotable 0°–90°
- Bracket: cast aluminum/polymer; rotatable through 360° on adapter

5 Control gear
- On-board Dim, Casambi Bluetooth or Zigbee
- On-board Dim version: rotary control for control of brightness on the luminaire

6 ERCO turning transadapter for 2-circuit track

Variants on request
- Housing: 10,000 further colors

Please contact your ERCO consultant.

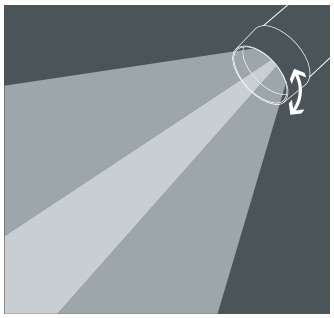
Design and application:
www.erco.com/uniscan-120v

Uniscan 120V for 2-circuit track

Colored light
Using colored light, the environment can be designed and transformed with either subtle or dramatic contrasts. LEDs enable you to generate colored light very efficiently and flexibly.

Darklight lens
The darklight lens not only creates a magical impression with just one light point. It also features precise, uniform light distributions, wide flexibility in the selection of beam characteristics and state of the art efficiency.

Contour spotlights
Framing attachments enable a sharply defined light beam. In this way fascinating effects can be created with contour spotlights, where crisply illuminated pictures appear to illuminate from within.



Zoom spotlights
The light beam diameter can be infinitely adjusted from spot (15°) to wide flood (65°) by simply turning the lens. Zoom spotlights are particularly suitable for illuminating areas with changing exhibits and merchandise.

Tunable white technology
Just as the color temperature outdoors changes continuously during the day, the color temperature of the lighting can be adjusted indoors to e.g. support lighting concepts for Human Centric Lighting.

Special characteristics

- Colored light
- Efficient darklight technology
- Contour spotlight
- Zoom spotlight
- Tunable white

- Efficient darklight technology
- Optical cut-off 40°/50°/60° from horizontal
- Different light distributions
- Oval flood, freely rotatable
- Different light colors

- Excellent thermal management
- EMC-optimized
- Various housing colors
- Various construction sizes
- Pivotable through 90°
- Accessory for maximum visual comfort

- On-board Dim
- Casambi Bluetooth
- Zigbee

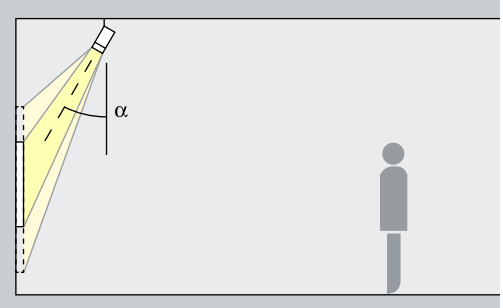
Uniscan 120V for 2-circuit track – Luminaire arrangement

Spotlights
Narrow spot, Spot, Flood

Accentuation
Works of art, merchandise and architectural details are effectively accentuated with Uniscan. The ideal angle of tilt (α) for this is around 30°. The object is modeled without distorting the effect as a result of excessive shadowing. It also prevents shadows cast by the observer.

Arrangement: α = 30°

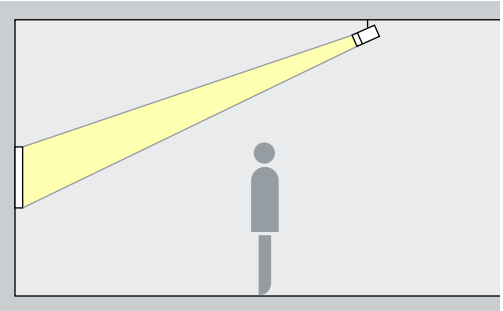
Zoom spotlights
Zoom spot, Zoom oval

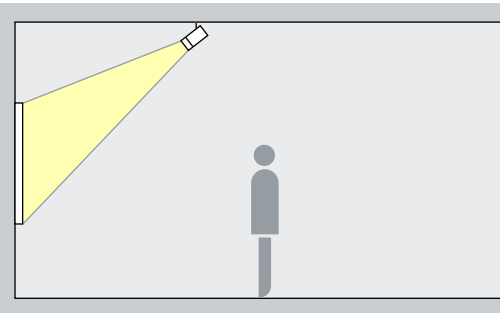


Accentuation
Zoom spotlights feature a continuously adjustable beam angle. With the spot to wide flood zoom range, smaller works of art can be accentuated effectively at an inclination angle (α) of approximately 30°. The oval zoom is suitable for linear works of art. The object is modeled without distorting the effect as a result of excessive shadowing. It also prevents shadows cast by the observer.

Arrangement: α = 30°

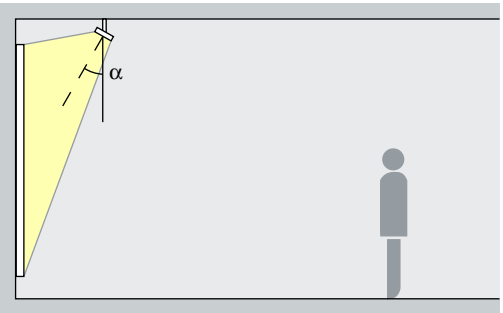
Contour spotlights
Narrow framing, Wide framing





Projection
Contour spotlights generate freely adjustable, crisp-edged light beams. As a result fascinating effects can be created where pictures appear to illuminate from within. Select narrow framing to accurately illuminate small exhibits from a long distance and wide framing to accurately illuminate large exhibits from a short distance.

Floodlights
Wide flood, Extra wide flood, Oval wide flood, Oval flood

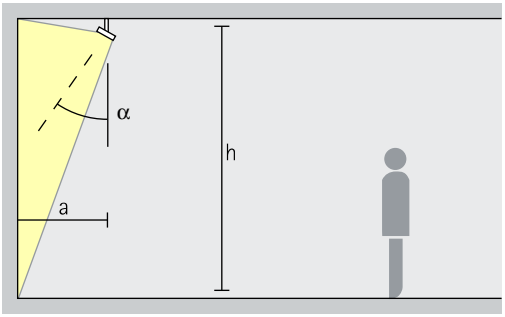


Washlighting
The ideal angle of tilt (α) for floodlighting objects with a long, square shape, e.g. pictures, sculptures or merchandise displays, is around 30°.

Arrangement: α = 30°

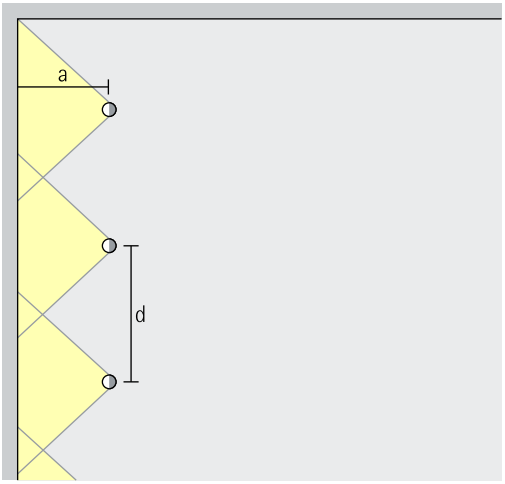
Uniscan 120V for 2-circuit track – Luminaire arrangement

Lens wallwashers
Wallwash



Wallwashing
For uniform vertical lighting, the distance to the wall (a) of Uniscan lens wallwashers should be around one third of the room height (h). This results in an angle of tilt (α) of around 35°.

Arrangement: a = 1/3 x h or α = 35°



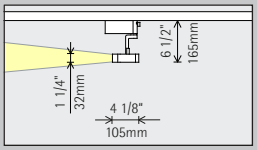
For good longitudinal uniformity, the spacing (d) of Uniscan lens wallwashers may be up to 1.2 times the distance to the wall (a).

Arrangement: d ≤ 1.2 x a

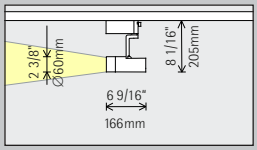
Optimal wall distances and luminaire spacing values for individual products are specified in the wallwasher tables at www.erco.com.

Uniscan 120V for 2-circuit track

Size



XS
∅ 1 1/4"



S
∅ 2 3/8"

LED module
Maximum value at 4000K CRI 82

XS	
2W/262lm	3.1W/369lm (Narrow spot)
3.1W/369lm	

S	
8.1W/1048lm	3.1W/369lm (Narrow spot)
12.4W/1476lm	

Light color

XS			
2700K CRI 92		3500K CRI 92	
3000K CRI 92		4000K CRI 82	
3000K CRI 97		4000K CRI 92	

S			
2700K CRI 92		3500K CRI 92	
3000K CRI 92		4000K CRI 82	
3000K CRI 97		4000K CRI 92	

Light distribution

XS			
Spotlights		Floodlights	
Narrow spot		Wide flood	
Spot		Extra wide flood	
Flood		Oval flood	
Zoom spotlights		Oval wide flood	
Zoom spot		Lens wallwashers	
Zoom oval		Wallwash	

S			
Spotlights		Floodlights	
Narrow spot		Wide flood	
Spot		Extra wide flood	
Flood		Oval flood	
Zoom spotlights		Oval wide flood	
Zoom spot		Lens wallwashers	
Zoom oval		Wallwash	
Contour spotlights			
Narrow framing			
Wide framing			

Control

XS			
On-board Dim			
Casambi Bluetooth + 0-10V via Bridge			
Zigbee			

S			
On-board Dim			
Casambi Bluetooth + 0-10V via Bridge			
Zigbee			

Color (housing)

XS			
White		Silver	
Black		10,000 Colors *	

S			
White		Silver	
Black		10,000 Colors *	

Accessories

Lenses		Lens Units		Snoot		Add-on Control Units	
Filter		Honeycomb louvre		Barn doors		Bridges/Gateways * 0-10V, DALI, DMX	

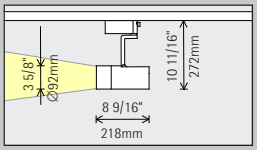
* available on request

Article numbers and planning data:
www.erco.com/022635-us

Design and application:
www.erco.com/uniscan-120V/en_us

Uniscan 120V for 2-circuit track

Size



M
Ø 3 5/8"

LED module
Maximum value at 4000K CRI 82

14.1W/1843lm	4.2W/464lm (Narrow spot)
21.7W/2582lm	

18.3W/2154lm

Light color

2700K CRI 92	3500K CRI 92
3000K CRI 92	4000K CRI 82
3000K CRI 97	4000K CRI 92

Tunable white

Light distribution

Spotlights	Floodlights
Narrow spot	Wide flood
Spot	Extra wide flood
Flood	Oval flood
Zoom spotlights	Oval wide flood
Zoom spot	Lens wallwashers
Zoom oval	Wallwash
Contour spotlights	
Narrow framing	
Wide framing	

Spotlights	Floodlights
Spot	Wide flood
Flood	Extra wide flood
Zoom spotlights	Oval flood
Zoom spot	Oval wide flood
Zoom oval	Lens wallwashers
Contour spotlights	Wallwash
Narrow framing	
Wide framing	

Control

- On-board Dim
- Casambi Bluetooth + 0-10V via Bridge
- Zigbee

- Casambi Bluetooth + 0-10V via Bridge
- Zigbee

Color (housing)

White	Silver
Black	10,000 Colors *

White	Silver
Black	10,000 Colors *

Accessories

Lenses	Lens Units	Snoot	Add-on Control Units
Filter	Honeycomb louvre	Barn doors	Bridges/Gateways * 0-10V, DALI, DMX

17.7W/1520lm

RGBW

Spotlights	Floodlights
Spot	Wide flood
Flood	Extra wide flood
Zoom spotlights	Oval flood
Zoom spot	Oval wide flood
Zoom oval	Lens wallwashers
Contour spotlights	Wallwash
Narrow framing	
Wide framing	

Casambi Bluetooth
+ 0-10V via Bridge

Zigbee

White	Silver
Black	10,000 Colors *

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