



## Oseris – The pivotal feature

### **Compact, versatile spotlights with characteristic semi-spherical joint**

Oseris is a brilliant concept designed to enrich the world of digital lighting – the swivel joint is bevelled flush against the semi-spherical light head for a slick design. As well as enhancing the aesthetic appeal of the lighting tool, the idea behind this feature is to facilitate precise alignment – and to provide real value added in tight spaces such as ceiling channels. Oseris spotlights feature Spherolit lenses that enable a wide range of light distribution patterns,

and in various sizes and wattages achieve a variety of lumen packages to allow for differentiated lighting concepts with maximum freedom in design. The control gear is housed in the ERCO transadapter. Snoots are available as accessories for any situation requiring optimum glare control. This makes Oseris an exceptionally versatile lighting tool that lends itself for use in shops and museums as well as high-end residences: compact, precise and efficient – Oseris evokes character and charm with striking features that add to the

already impressive diversity of spotlight designs in the ERCO range.



## 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 Spherolit lens

- Light distributions: narrow spot, spot, flood, wide flood, extra wide flood, oval flood or wallwash
- Oval flood 360° rotation

or

### Attachment (zoom spotlight)

- Zoom lens, continuously focusable
- Light distributions: zoom spot, zoom oval
- Zoom oval 360° rotation

### 2 ERCO LED-module

- High-power LEDs: warm white (2700K or 3000K) or neutral white (3500K or 4000K)
- Collimating lens made of optical polymer

### 3 Housing and bracket

- White (RAL9002), black or silver
- Cast aluminium, powder-coated
- 0°-90° tilt
- Bracket on transadapter rotatable through 360°
- Internal wiring

### 4 Control gear

- Switchable, phase dimmable+On-board Dim, DALI dimmable or Casambi Bluetooth
- Phase dimmable + On-board Dim version: Dimming with external dimmers (trailing edge) possible and rotary control for brightness control on the luminaire

### 5 ERCO transadapter or ERCO DALI transadapter

### Variants on request

- Housing: 10,000 further colours
  - Ceiling channel system
- Please contact your ERCO consultant.

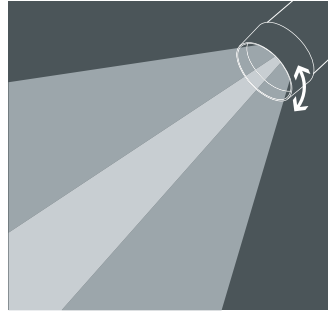


Design and application:  
[www.erco.com/oseris](http://www.erco.com/oseris)

# Oseris for track 220-240V



**Oval flood freely rotatable**  
The oval flood Spherolit lens can be freely rotated with round luminaire heads to optimally match the lighting to various objects.



**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.



**Small luminaire dimensions**  
Small luminaires are discreet and place the focus on the light itself. Compact luminaire dimensions are particularly advantageous with small rooms.



**Ideal for ceiling channels**  
The compact design and central pivot point predestine some luminaires for installation in ceiling channels.

Special characteristics	
	Oval flood, freely rotatable
	Zoom spotlight
	Small luminaire dimensions
	Ideal for ceiling channels

	ERCO high-power LEDs
	Efficient Spherolit technology
	Different light distributions
	Different light colours

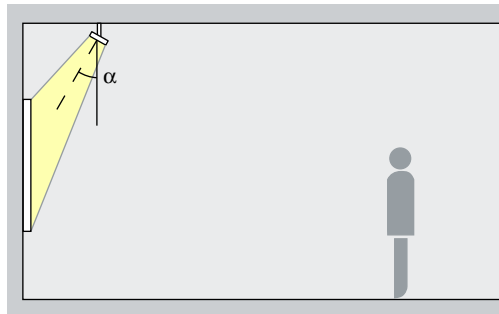
	Excellent thermal management
	EMC-optimised
	Various housing colours
	Various construction sizes
	Pivotable through 90°
	Accessory for maximum visual comfort

	Switchable
	Phase dimmable + On-board Dim
	DALI dimmable
	Casambi Bluetooth

# Oseris for track 220-240V – Luminaire arrangement

## Spotlights

Narrow spot, Spot, Flood



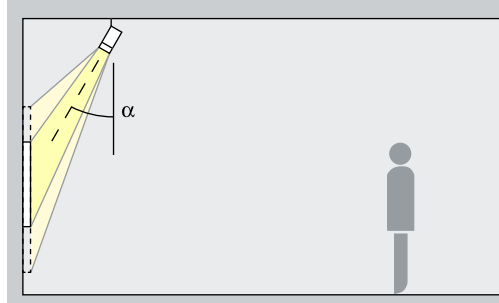
### Accentuation

Oseris spotlights accentuate artwork, products and architectural details effectively. The ideal angle of tilt ( $\alpha$ ) for this is around  $30^\circ$ . The object is modelled without distorting the effect as a result of excessive shadowing. It also prevents shadows cast by the observer.

Arrangement:  $\alpha = 30^\circ$

## Zoom spotlight

Zoom spot, Zoom oval



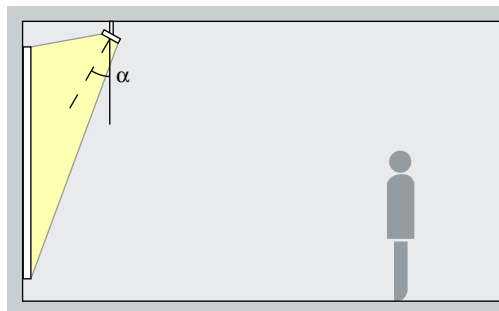
### Accentuation

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 ( $\alpha$ ) of approximately  $30^\circ$ . The oval zoom is suitable for linear works of art. The object is modelled without distorting the effect as a result of excessive shadowing. It also prevents shadows cast by the observer.

Arrangement:  $\alpha = 30^\circ$

## Floodlights

Wide flood, Extra wide flood, Oval flood



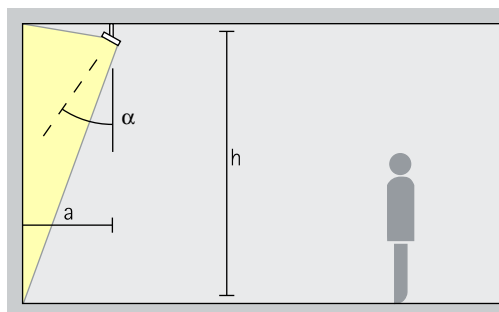
### Washlighting

The ideal angle of tilt ( $\alpha$ ) for floodlighting objects with a long, square shape, e.g. pictures, sculptures or merchandise displays, is around  $30^\circ$ .

Arrangement:  $\alpha = 30^\circ$

## Lens wallwashers

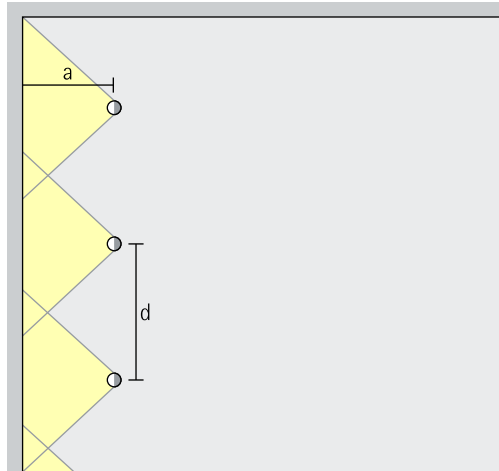
Wallwash



### Wallwashing

For uniform vertical illuminance, the distance ( $a$ ) of Oseris lens wallwashers from the wall should be around one third of the wall height ( $h$ ). This results in an angle of tilt ( $a$ ) of approx.  $35^\circ$ .

Arrangement:  $a = 1/3 \times h$  bzw.  $\alpha = 35^\circ$



For good longitudinal uniformity, the spacing ( $d$ ) of Oseris lens wallwashers may be up to 1.2 times the offset from the wall ( $a$ ).

Arrangement:  $d \leq 1.2 \times a$

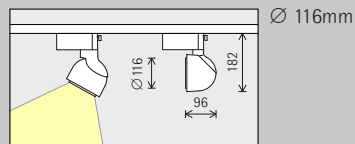
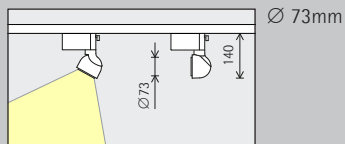
Optimal wall offset and luminaire spacing values are indicated in the wallwasher tables on the product data sheets.

Forum Groningen, Groningen.  
Architecture:  
NL Architects,  
Amsterdam. Photography:  
Roos Aldershoff, Amsterdam.



# Oseris for track 220-240V

## Construction size



## LED module Maximum value at 4000K CRI 82

6W/825lm	2W/275lm (Narrow spot)
10W/1230lm	3W/410lm (Narrow spot)

12W/1650lm	4W/550lm (Narrow spot)
19W/2460lm	6W/820lm (Narrow spot)

## Light colour

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

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

## Light distribution

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

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	Narrow spot		Wide flood
	Spot		Extra wide flood
	Flood		Oval flood
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## Control

	Switchable		DALI
	Phase dimmable + On-board Dim		Casambi Bluetooth

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## Colour (housing)

	White		Silver
	Black		10,000 colours *

	White		Silver
	Black		10.000 Farben *

## Accessories

	Lenses		Cross-baffle
	Snoots		Honeycomb anti-glare screen



Ekonomikum at the University of Uppsala, Uppsala. Architecture: Swe-co Architects, Jonas Kjellander, Stockholm. Photography: Johan Elm, Stockholm.

\* available on request

Article numbers and planning data:  
[www.erco.com/016049](http://www.erco.com/016049)

Design and application:  
[www.erco.com/oseris](http://www.erco.com/oseris)



