



## Optec New – The durable universal talent

### **A spotlight for all situations, consistently designed for sustainability**

Durable and adaptable at the same time: the new generation of our top-selling Optec combines these characteristics to achieve maximum sustainability. Optec New was developed as part of our "Lighting Durability: Service Life of 20 Years" and stands for durable, economical and sustainable lighting solutions. The proven, high-efficiency lighting technology for more lux per watt on the target surface is supplemented by a design aimed at durability due to

high quality components. Thanks to upgrades and updates, Optec also remains adaptable. As with its predecessors, Optec New meets all quality of light needs in shops, galleries and museums, especially on existing track installations. The system of interchangeable optics and suitable accessories provides limitless flexibility of use, now and well into the future.



## 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
- Spherolit lenses: narrow spot, spot, flood, wide flood, extra wide flood, oval flood or wallwash
- Zoom lenses: zoom spot; 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) or tunable white (2700-7500K)
- Collimating lens made of optical polymer

### 4 Cylindrical light head

- White (RAL9002) or black
- Cast aluminium, powder-coated
- 270° tilt

### 5 Housing

- White (RAL9002) or black
- Polymer
- Rotatable through 360° on adapter

### 6 Control gear

- On-board Dim, DALI dimmable or Casambi Bluetooth
- On-board Dim version: rotary control for control of brightness on the luminaire

### 7 ERCO 3-circuit adapter or ERCO DALI adapter

#### Variants on request

- Housing: 10,000 further colours
  - Adapter: track adapters from other manufacturers
- Please contact your ERCO consultant.

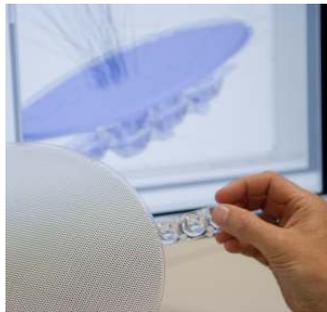


Design and application:  
[www.erco.com/optec-new](http://www.erco.com/optec-new)

# Optec New for track 220-240V



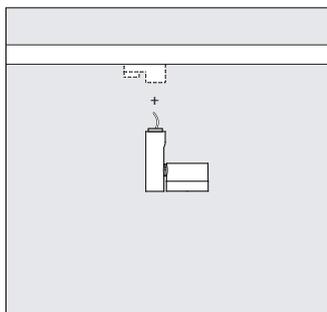
**Particularly durable**  
Optec New has been designed and tested for a life cycle of about 75,000 hours. This corresponds to a service life of 20 years, presuming standard product use, compliance with maintenance intervals and a period of illumination of about ten hours per day.



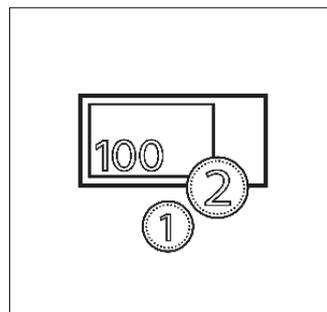
**More light on the target surface**  
The lens system, developed and manufactured in-house, precisely projects the light with no spill light. The accent lighting of the ERCO spotlight thus sets itself clearly apart from conventional spotlights.



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



**Further adapters on request**  
Is your project already equipped with track from other manufacturers? To make sure you don't have to do without ERCO lighting quality, we supply spotlights on request with other track adapters, e.g. Eutrac or Global.



**Very good price performance ratio**  
Optec New as an entry-level product offers you an attractive price-performance ratio. This is particularly interesting for lighting design tasks with economic efficiency in mind.

Special characteristics	
	Very high durability
	High-efficiency lighting technology
	Tunable white
	Further adapters available
	Very good price performance ratio

	ERCO high-power LEDs
	Efficient Spherolit technology
	Different light distributions
	Oval flood, freely rotatable
	Different light colours

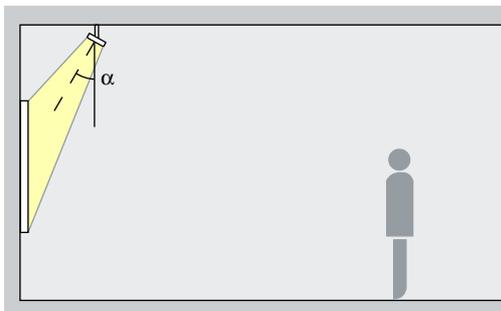
	Excellent thermal management
	EMC-optimised
	Various housing colours
	Various construction sizes
	Pivotable through 270°
	Accessory for maximum visual comfort

	On-board Dim
	DALI dimmable
	Casambi Bluetooth

# Optec New for track 220-240V – Luminaire arrangement

## Spotlights

Narrow spot, Spot, Flood

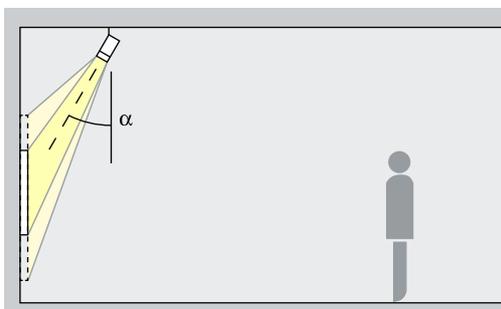


Optec spotlights accentuate artwork, products and architectural details effectively. The ideal angle of tilt ( $\alpha$ ) for this is around 30°. The object is modelled without distorting the effect as a result of excessive shadowing. It also prevents shadows cast by the observer.

Arrangement:  $\alpha = 30^\circ$

## Zoom spotlights

Zoom spot

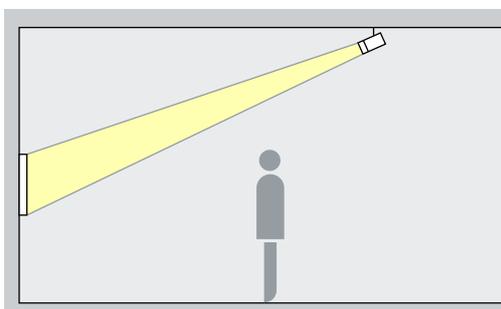


Zoom spotlights feature a continuously adjustable beam angle. With the spot to wide flood zoom range, smaller works of art can be accentuated effectively at an inclination angle ( $\alpha$ ) of approximately 30°. The object is modelled without distorting the effect as a result of excessive shadowing.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

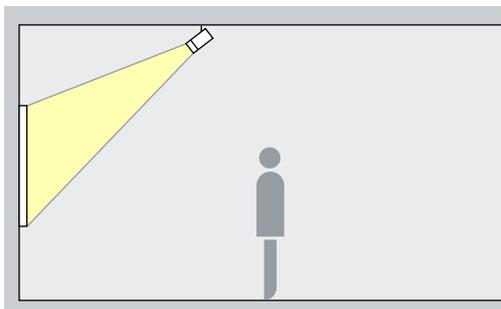
Arrangement:  $\alpha = 30^\circ$

## Contour spotlights

Narrow framing, Wide framing

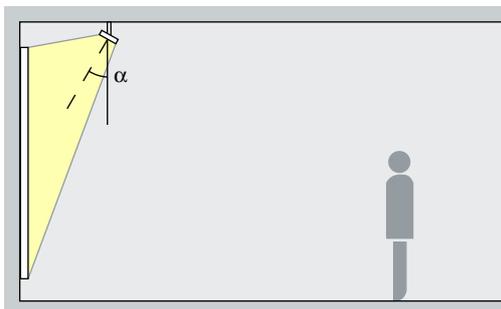


Contour spotlights generate freely adjustable, crisp-edged light beams. As a result fascinating effects can be created where pictures appear to illuminate from within. Select narrow framing to accurately illuminate small exhibits from a long distance and wide framing to accurately illuminate large exhibits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



## Floodlights

Wide flood, Extra wide flood, Oval flood

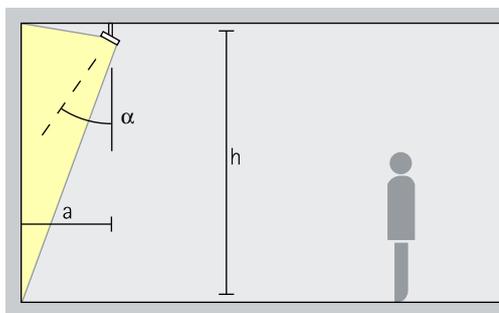


The ideal angle of tilt ( $\alpha$ ) for flood-lighting objects with a long, square shape, e.g. pictures, sculptures or merchandise displays, is around 30°.

Arrangement:  $\alpha = 30^\circ$

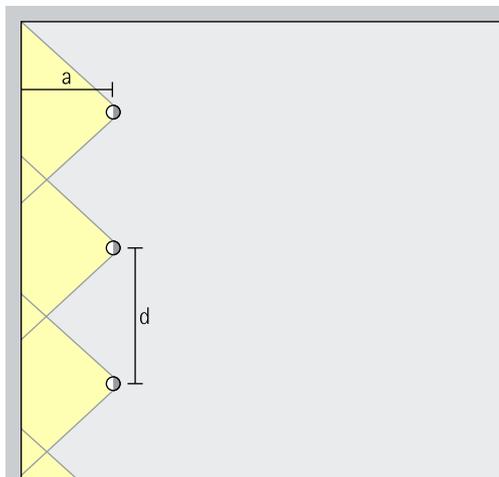
# Optec New for track 220-240V – Luminaire arrangement

## Lens wallwashers Wallwash



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

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



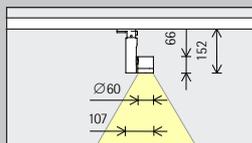
For good longitudinal uniformity, the luminaire spacing (d) of Optec wallwashers may be up to 1.5 times the distance to the wall (a).

Arrangement:  $d \leq 1.5 \times a$

Optimal wall distances and luminaire spacing values for individual products are specified in the wall-washer tables at [www.erco.com](http://www.erco.com).

# Optec New for track 220-240V

Size



S  
Ø 60mm

LED module  
Maximum value  
at 4000K CRI 92

9.9W/1350lm	3,1W/339lm (Narrow spot)	6.9W/719lm
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Light colour

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

	Tunable white
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Light distribution

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

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

Control

	On-board Dim		DALI
	DALI		Casambi Bluetooth
	Casambi Bluetooth		

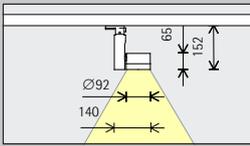
Colour (housing)

	White		10,000 colours *
	Black		

	White		10,000 colours *
	Black		

Accessory

	Lens Units		Honeycomb louvre		Barn doors
	Lenses		Snoot		



M  
 Ø 92mm

19.6W/2736lm	4.2W/426lm (Narrow spot)	12.6W/1335lm
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	2700K CRI 92		3500K CRI 92
	3000K CRI 92		4000K CRI 92
	3000K CRI 97		

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

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

	On-board Dim
	DALI
	Casambi Bluetooth

	DALI
	Casambi Bluetooth

	White		10,000 colours *
	Black		

	White		10,000 colours *
	Black		

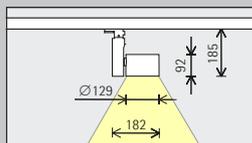
\* available on request

[www.erco.com/optec-new](http://www.erco.com/optec-new)



# Optec New for track 220-240V

Size



L  
Ø 129mm

LED module  
Maximum value  
at 4000K CRI 92

34.8W/4864lm	9.3W/1213lm (Narrow spot)	24.3W/2454lm
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Light colour

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

	Tunable white
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Light distribution

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

Control

On-board Dim	DALI
DALI	Casambi Bluetooth
Casambi Bluetooth	

Colour (housing)

	White		10,000 colours *
	Black		

Accessory

	Lens Units		Honeycomb louvre		Barn doors
	Lenses		Snoot		

\* available on request

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