



## Stella – For high rooms and high demands

### **High output, efficient and precise accent lighting**

High lumen-output luminaires are needed for large lighting distances and high rooms – e.g. for displaying large sculptures in the foyer of a museum or for uniform wallwashing in an airport. Stella are precisely these high output spotlights, floodlights and wallwashers for track. The Stella range consists of two sizes and all light distributions within the ERCO system of luminaires generated by highly efficient Spherolit lens optics. As a result, complex lighting tasks can be flexibly and

consistently resolved. The simple technical design of the cast aluminium housing ensures optimum heat management and thus a long service life.



## 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

### 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 luminaire head

- White (RAL9002), black or silver
- Cast aluminium, powder-coated
- Luminaire head pivotable from 0° to 90°. Screw for setting the inclination angle
- Housing can be rotated through 360° on the adapter
- Internal wiring

### 4 Control gear

- 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 3-circuit adapter or ERCO DALI adapter

#### Variants on request

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



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

# Stella for track 220-240V



## Large lumen packages for very high illuminances

The attention of the viewer can be focused via contrasting accents. ERCO has high-performance luminaires with large lumen packages in its range for this purpose.

## 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.

### Special characteristics



Large lumen packages for very high illuminances



Oval flood, freely rotatable



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



Phase dimmable + On-board Dim



DALI dimmable

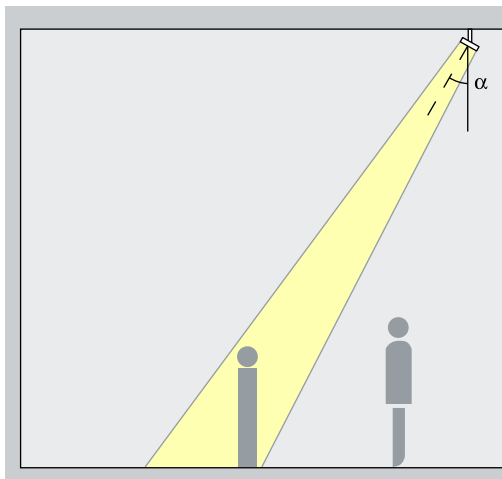


Casambi Bluetooth

# Stella for track 220-240V – Luminaire arrangement

## Spotlights

Narrow spot, Spot, Flood



## Accentuation

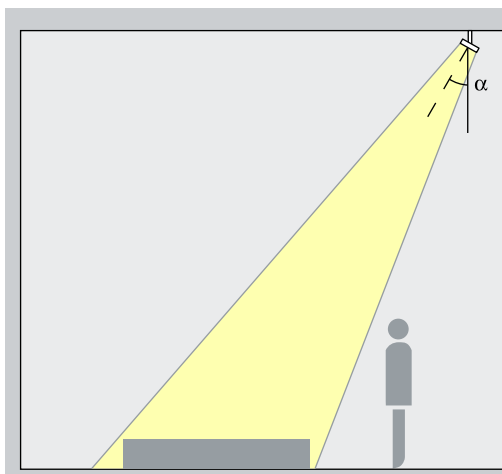
Exhibits and architectural details are effectively accentuated by Stella spotlights mounted at great height. The ideal angle of tilt ( $\alpha$ ) for this is around  $30^\circ$ . The object is modelled without distorting the effect as a result of excessive shadowing.

Arrangement:  $\alpha = 30^\circ$

Application area: Luminaires with narrow spot and spot distributions are ideal particularly for accentuation from room heights above 8m.

## Floodlights

Wide flood, Extra wide flood, Oval flood



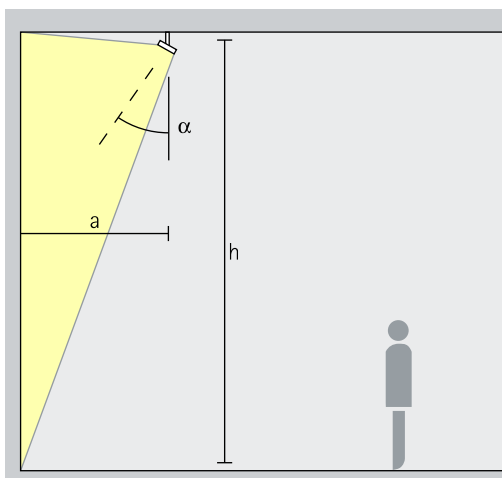
## Washlighting

The ideal angle of tilt ( $\alpha$ ) for washlighting of large areas or objects is around  $30^\circ$ .

Arrangement:  $\alpha = 30^\circ$

## Lens wallwashers

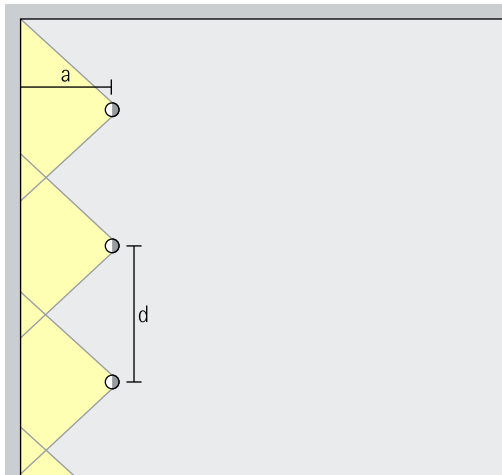
Wallwash



## Wallwashing

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

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



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

Arrangement:  $d \leq 1.2 \times a$

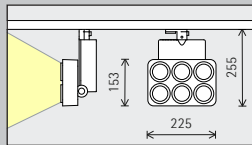
Optimal wall offset and luminaire spacing values are indicated in the wallwasher tables on the product data sheets.

Durack Centre,  
Perth. Lighting  
design: Lighting  
Options Australia,  
Perth. Photogra-  
phy: Matt Devlin,  
Perth.

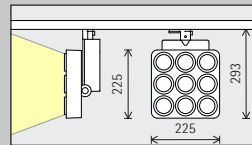


# Stella for track 220-240V

## Construction size



225mm/153mm



225mm/225mm

## LED module Maximum value at 4000K CRI 82

36/4950lm	28W/3850lm (Narrow spot)
57W/7380lm	39W/4970lm (Narrow spot)

74W/9585lm	76W/9840lm (Narrow spot)
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## 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
Lens wallwashers			
	Wallwash		

Spotlights		Floodlights	
	Narrow spot		Wide flood
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## Control

	Phase dimmable + On-board Dim
	DALI
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	Phase dimmable + On-board Dim
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## Colour (housing)

	White		Silver
	Black		10,000 colours *

	White		Silver
	Black		10,000 colours *

## Accessories

	Lenses		Honeycomb anti-glare screen
	Snoots		Honeycomb anti-glare screen
	Cross-baffle		



Cathedral, Siena  
Photography:  
Frieder Blickle,  
Hamburg.

\* available on request

Article numbers and planning data:  
[www.erco.com/016766](http://www.erco.com/016766)

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





