



## 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 comprises two sizes and seven ERCO light distributions, produced 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) or black
- 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

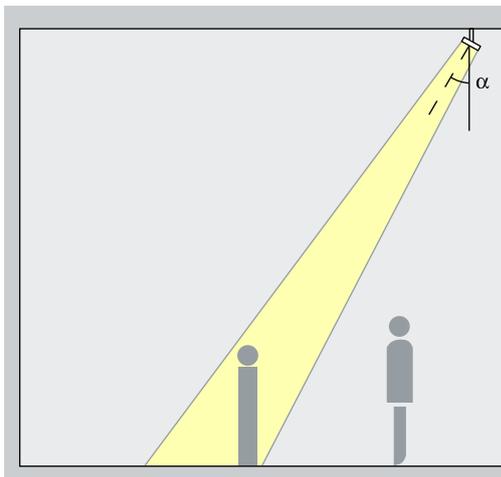


Casambi Bluetooth

# Stella for track 220-240V – Luminaire arrangement

## Spotlights

Narrow spot, Spot, Flood



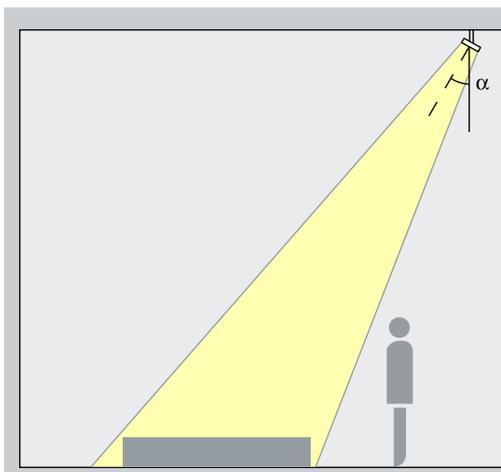
Exhibits and architectural details are effectively accentuated by Stella spotlights mounted at great height. The ideal angle of tilt ( $\alpha$ ) for this is around  $30^\circ$ . The object is modelled without distorting the effect as a result of excessive shadowing.

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

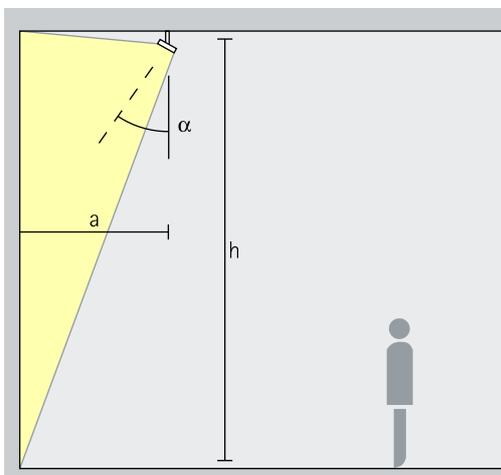


The ideal angle of tilt ( $\alpha$ ) for wash-lighting of large areas or objects is around  $30^\circ$ .

Arrangement:  $\alpha = 30^\circ$

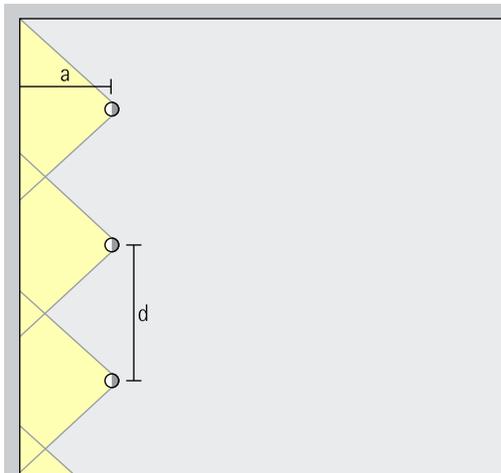
## Lens wallwashers

Wallwash



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:  $d \leq 1.2 \times a$

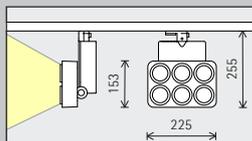
Optimal wall offset and luminaire spacing values are indicated in the wallwasher tables on the product data sheets.

Volvo, Naarden.  
Photography:  
Vincent van den  
Boogaard.

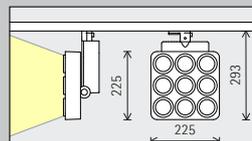


# Stella for track 220-240V

Construction size



225mm/153mm



225mm/225mm

LED module  
Maximum value  
at 4000K CRI 92

55.9W/7279lm	38.3W/5100lm (Narrow spot)
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73.8W/9836lm	74.6W/9706lm (Narrow spot)
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Light colour

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

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

Light distribution

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

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

Control

	Phase dimmable + On-board Dim
	DALI
	Casambi Bluetooth

	Phase dimmable + On-board Dim
	DALI
	Casambi Bluetooth

Colour (housing)

	White		10,000 colours *
	Black		

	White		10,000 colours *
	Black		

Accessories

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

\* available on request

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





Neresheim Abbey,  
Neresheim. Archi-  
tecture: Balthasar  
Neumanns, Georg  
Dehio. Photogra-  
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Mayer, Berlin.