

# Kona – Maximum visual comfort for a wide range of lighting tasks

## High luminous flux and maximum visual comfort for lighting tasks in the outdoor area

Kona is suitable for illuminating large buildings and objects. The round, conically-shaped luminaire housing provides outstanding visual comfort with very good shielding properties. From focused lighting from a long distance to floodlighting and uniform wall-washing: all is possible. Its high luminous flux makes Kona an ideal lighting tool for large projection distances. The maintenance-free, durable optoelectronics reduce operating costs and also enable operation in difficult-to-access

installation locations. The weather-resistant housing can be precisely aligned thanks to a pan-and-tilt mounting plate. Extensive mounting accessories allow Kona to be installed flexibly.





## 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
- Narrow spot, spot and flood: cut-off angle 30°

### 2 ERCO LED-module

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

### 3 Housing

- Graphit m
- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Double powder-coated
- Optimised surface for reduced accumulation of dirt
- Anti-glare cone: polymer, black lacquered
- Safety glass

### 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 Mounting plate and hinge

- Corrosion-resistant cast aluminium, No-Rinse surface treatment or polymer
- Graphite m, double powder-coated or coated
- 90° tilt, 300° rotation or 120° tilt, 360° rotation
- Internal wiring

### Protection mode IP65

### Variants on request

- High-power LEDs: 3000K CRI 97 or 2700K, 3500K with CRI 92
  - Housing: 10,000 further colours
- Please contact your ERCO consultant.



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

# Kona Projectors



**Improved visual comfort**  
 ERCO has developed luminaires with special housing designs and high-quality optical components specifically for demanding visual tasks to provide enhanced visual comfort.



**Large lumen packages for very high illuminances**  
 The attention of the viewer can be focused via contrasting accents. ERCO offers high-performance luminaires with large lumen packages 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.



**Various construction sizes**  
 The luminaires in the ERCO product range cover a wide variety of lumen categories and therefore offer an appropriate solution for a large number of lighting tasks.

Special characteristics	
	Improved visual comfort
	Large lumen packages for very high illuminances
	Oval flood, freely rotatable
	Various construction sizes

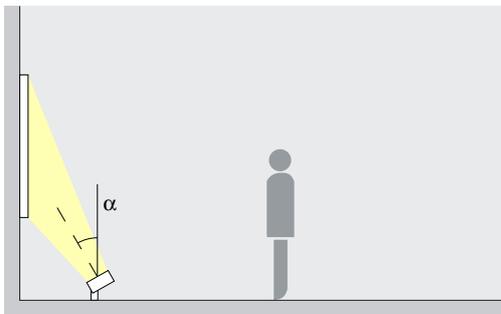
	ERCO high-power LEDs		Excellent thermal management
	Efficient Spherolit technology		EMC-optimised
	Different light distributions		Degree scale for good adjustability
	Different light colours		
			Protection mode IP65
			Accessory for mounting variants

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

# Kona Projectors – Luminaire arrangement

## Projectors

Narrow spot, Spot, Flood

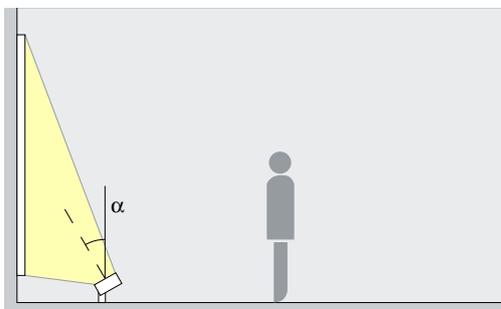


The ideal angle of tilt ( $\alpha$ ) for accent lighting with Kona projectors is around  $30^\circ$ . This emphasises the three-dimensionality of architectural details, sculptures or trees, without distorting the spatial impression with excessive shadowing.

Arrangement:  $\alpha = 30^\circ$

## Floodlights

Wide flood, Extra wide flood, Oval flood

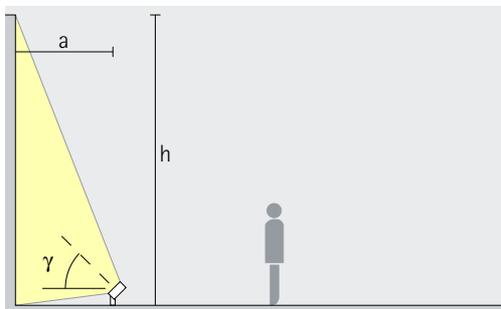


Kona projectors ensure uniform floodlighting of long wall surfaces, columns or trees. The ideal angle of tilt ( $\alpha$ ) for this is around  $30^\circ$

Arrangement:  $\alpha = 30^\circ$

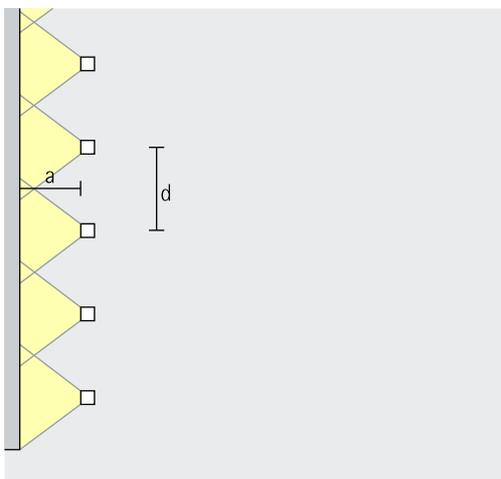
## Lens wallwashers

Wallwash



Uniform vertical illuminance in the outdoor area defines spatial borders. Here, the distance ( $a$ ) of Kona lens wallwashers from the wall should be around one third of the room height ( $h$ ). This results in an angle of tilt ( $\gamma$ ) of approx.  $55^\circ$ .

Arrangement:  $a = 1/3 \times h$  or  $\gamma = 55^\circ$



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

Arrangement:  $d \leq 1.2 \times a$

The optimal wall offset and luminaire spacing for each product are indicated in the wallwasher tables in the catalogue and the product data sheets.

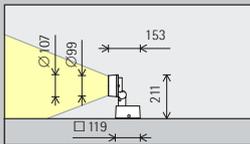
Gyeongbokgung Palace, Seoul. Lighting design: bitzro & partners, Seoul. Photography: Jackie Chan, Sydney.



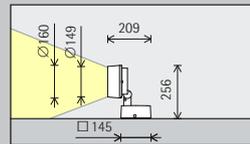
Wijnhuizen, Zutphen. Lighting design: Studio DL, Hildesheim. Photography: Thomas Mayer, Neuss.

# Kona Projectors

## Construction size



Ø 107mm



Ø 160mm

## LED module

Maximum value at 4000K CRI 92

6.1W/862lm	2W/287lm (Narrow spot)
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12.1W/1723lm	8.1W/1149lm (Narrow spot)
18.8W/2785lm	
24.3W/3446lm	

## 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

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

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## Control

	Switchable		DALI
	Phase dimmable + On-board Dim		Casambi Bluetooth

	Switchable		DALI
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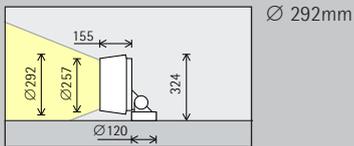
## Colour (housing)

	Graphit m
	10,000 colours *

	Graphit m
	10,000 colours *

## Accessories

	Distribution box		Mounting plate		Adapter piece
	Ground spike		Cantilever arm		Spacer
	Anchorage unit		Attachment		
	Concrete anchor		Clamping plate		



Ø 292mm

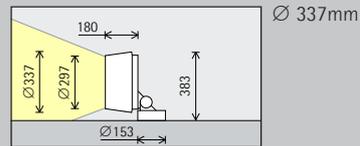
48.5W/6893lm	18.2W/2585lm (Narrow spot)
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	2700K CRI 92 *		3500K CRI 92 *
	3000K CRI 92		4000K CRI 92
	3000K CRI 97 *		

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

	Switchable
	DALI

	Graphit m
	10,000 colours *



Ø 337mm

72.8W/10339lm	32.3W/4595lm (Narrow spot)
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	2700K CRI 92 *		3500K CRI 92 *
	3000K CRI 92		4000K CRI 92
	3000K CRI 97 *		

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

	Switchable
	DALI

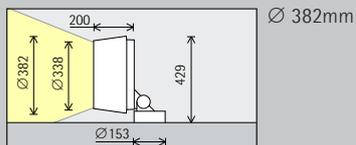
	Graphit m
	10,000 colours *

\* available on request



# Kona Projectors

## Construction size



## LED module

Maximum value at 4000K CRI 92

97W/13786lm	42.4W/6031lm (Narrow spot)
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## Light colour

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

## Light distribution

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

## Control

	Switchable
	DALI

## Colour (housing)

	Graphit m
	10,000 colours *

## Accessories

	Distribution box		Mounting plate
	Ground spike		Cantilever arm
	Anchorage unit		Attachment
	Concrete anchor		Clamping plate
	Adapter piece		Spacer

\* available on request

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





The Central Mall, Shanghai. Architecture: East China Architectural Design Institute, Shanghai Zhang Ming Architectural Design Institute & CallisonRTKL. Lighting design: Shanghai New Century Lighting Co., Ltd. Photography: Jackie Chan, Sydney.

DAV Climbing  
Centre Augsburg.  
Architecture:  
Ott Architek-  
ten, Augsburg.  
Lighting design  
and installation:  
Elektrotechnik  
Waldemar Müller  
GmbH, Augsburg.  
Electrical engin-  
eering: IB Pommer,  
Gräfelting. Pho-  
tography: Moritz  
Hillebrand, Zurich.





Brüggehaus, Hamburg. Architecture: GRS Reimer Architekten, Hans-Ulrich Zöllner Architekten. Lighting design: list lichtdesign GbR, Hamburg.