

# 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 or DALI dimmable
- 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

Dust-tight and water jet-proof

### Variants on request

- High-power LEDs: 3000K CRI 97 or 2700K, 3500K, 4000K 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
	Efficient Spherolit technology
	Different light distributions
	Different light colours

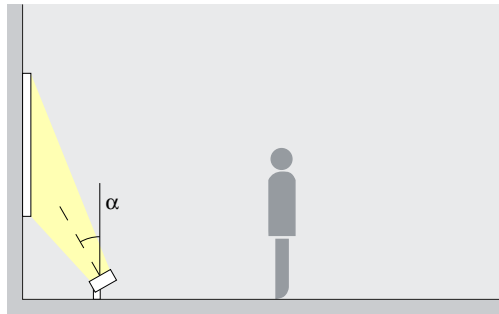
	Excellent thermal management
	EMC-optimised
	Degree scale for good adjustability
	Pivotable through 90° Lockable
	Protection mode IP65
	Accessory for mounting variants

	Switchable
	Phase dimmable + On-board Dim
	DALI dimmable

# Kona Projectors – Luminaire arrangement

## Projectors

Narrow spot, Spot, Flood



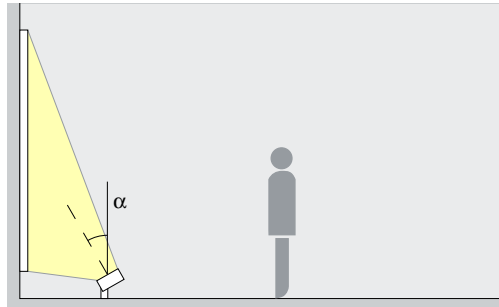
## Accentuation

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



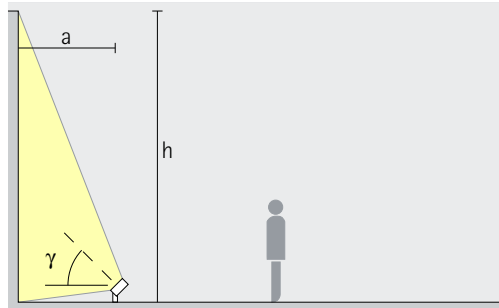
## Washlighting

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

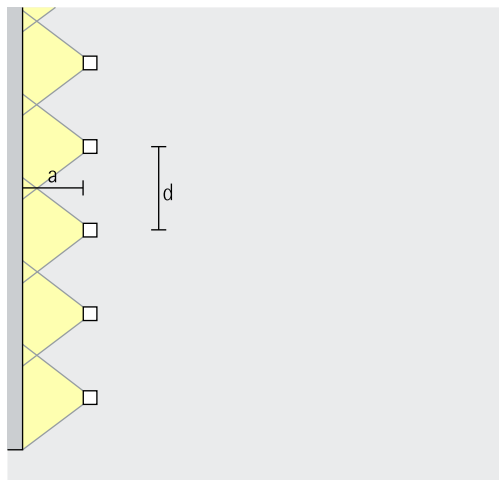
Wallwash



## Wallwashing

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:  $d \leq 1.2 \times a$

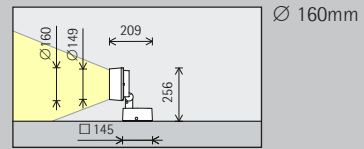
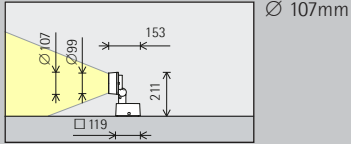
The optimal wall offset and luminaire spacing for each product are indicated in the wallwasher tables in the catalogue and the product data sheets.

Pinacoteca Brera,  
Milan. Lighting  
design: Alessandra  
Quarto, Angelo  
Rossi, Milan. Elec-  
trical engineering:  
Protec. Photogra-  
phy: ERCO



# Kona Projectors, floodlights, wallwasher

## Construction size



## LED module

Maximum value at 4000K CRI 82

6W/825lm	2W/275lm (Narrow spot)
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12W/1650lm	8W/1100lm (Narrow spot)
19W/2700lm	
24W/3300lm	

## 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

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

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	Narrow spot		Wide flood
	Spot		Extra wide flood
	Flood		Oval flood
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			Wallwash

## Control

	Switchable
	Phase dimmable + On-board Dim
	DALI

	Switchable
	Phase dimmable + On-board Dim
	DALI

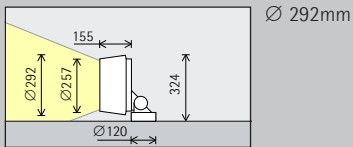
## Colour (housing)

	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

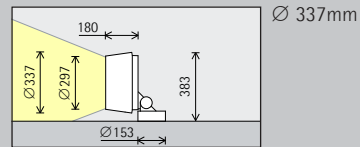
48W/6600lm	18W/2475lm (Narrow spot)
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	2700K CRI 92 *		3500K CRI 92 *
	3000K CRI 92		4000K CRI 82
	3000K CRI 97 *		4000K CRI 92 *

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

72W/9900lm	32W/4400lm (Narrow spot)
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	2700K CRI 92 *		3500K CRI 92 *
	3000K CRI 92		4000K CRI 82
	3000K CRI 97 *		4000K CRI 92 *

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

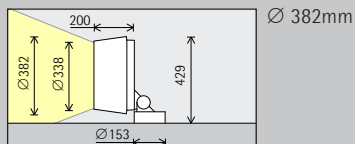
Article numbers and planning data:  
[www.erco.com/015663](http://www.erco.com/015663)

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



# Kona Projectors, floodlights, wallwasher

## Construction size



## LED module Maximum value at 4000K CRI 82

96W/13200lm	42W/5775lm (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 *

## 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





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.

\* available on request

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[www.erco.com/015663](http://www.erco.com/015663)

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





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

The Shed/Hudson  
Yards, New York.  
Architecture: Diller  
Scofidio + Renfro,  
New York (lead  
architects), Rock-  
well Group, New  
York (collaborat-  
ing architects).  
Lighting design:  
Tillotson Design  
Associates, New  
York. Photography:  
Timothy Schenk,  
New York



