

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 ideal for illuminating large buildings and objects. The round, conically-shaped luminaire housing provides outstanding visual comfort with very good shielding properties. The family of luminaires consists of several sizes with diverse light distributions – ranging from point-based illumination from extended distances with narrow spot Spherolit lenses and wide flood and oval flood distributions to homogenous wallwashing with a wallwash lens. Its high luminous flux makes Kona an ideal lighting

tool for large projection distances and wide spacing between luminaires. Its circular design means the luminaire can be flexibly used in highly different room situations and architectural styles. The maintenance-free, durable optoelectronics reduce operating costs and also enable operation in difficult-to-access installation locations. Kona features a weather-resistant housing and is precisely aligned thanks to a pan-and-tilt mounting plate. With extensive mounting accessories the luminaire is also easy to install in a wide variety of outdoor applications.





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

Kona Projectors, floodlights, wallwashers



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.



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.



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

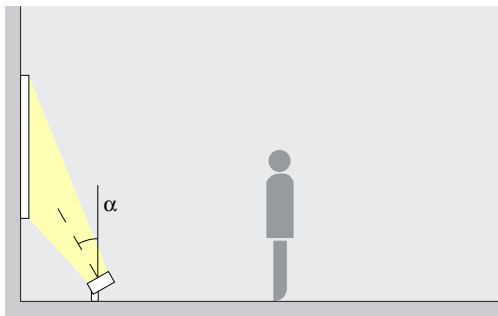
	Excellent thermal management
	EMC-optimised
	Degree scale for good adjustability
	Pivotable through 90° Lockable
	Protection mode IP65
	Accessory for mounting variants

	Switchable
	Phase dimmable + On-board Dim
	DALI dimmable

Kona Projectors, floodlights, wallwashers – Luminaire arrangement

Projectors

Narrow spot, Spot, Flood



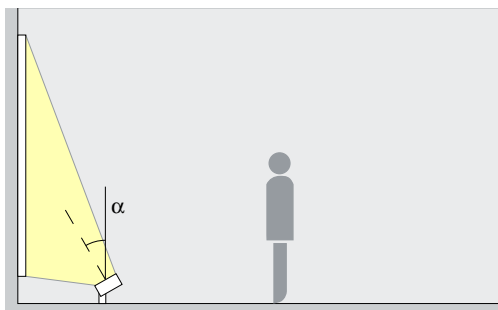
Accentuation

The ideal angle of tilt (α) for accent lighting with Kona projectors is around 30° . 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



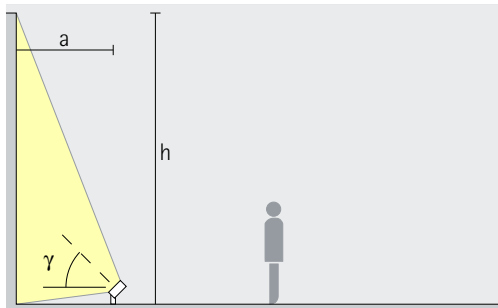
Washlighting

Kona projectors ensure uniform floodlighting of long wall surfaces, columns or trees. The ideal angle of tilt (α) for this is around 30°

Arrangement: $\alpha = 30^\circ$

Lens wallwashers

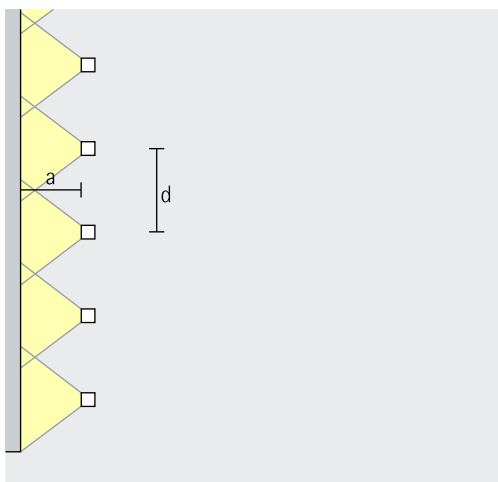
Wallwash



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 (γ) of approx. 55° .

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: $d \leq 1.2 \times a$

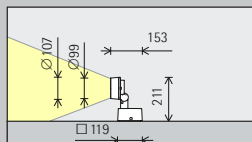
The optimal wall offset and luminaire spacing for each product are indicated in the wallwasher tables in the catalogue and the product data sheets.

Opera forecourt,
Sydney / Australia.
Lighting design:
NDYLIGHT, Sydney.
Photography:
Jackie Chan,
Sydney.

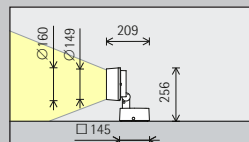


Kona Projectors, floodlights, wallwasher

Construction size



Ø 107mm



Ø 160mm

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

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

Control

	Switchable
	Phase dimmable + On-board Dim
	DALI

	Switchable
	Phase dimmable + On-board Dim
	DALI

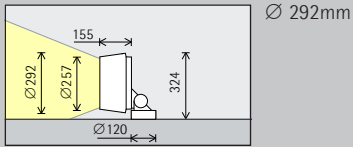
Colour (housing)

	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

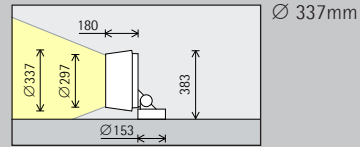
48W/6600lm	18W/2475lm (Narrow spot)
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	2700K CRI 92 *		3500K CRI 92 *
	3000K CRI 92		4000K CRI 82
	3000K CRI 97 *		4000K CRI 92 *

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

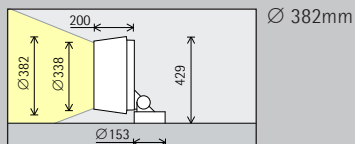
Article numbers and planning data:
www.erco.com/015663

Design and application:
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. Archi-
tecture: East Chi-
na Architectural
Design Institute,
Shanghai Zhang
Ming Architectur-
al Design Institute
& CallisonRTKL.
Lighting design:
Shanghai New
Century Lighting
Co., Ltd. Photogra-
phy: Jackie Chan,
Sydney.

* available on request

Article numbers and planning data:
www.erco.com/015663

Design and application:
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.

Opera forecourt,
Sydney / Australia.
Lighting design:
NDYLIGHT, Sydney.
Photography:
Jackie Chan,
Sydney.



