

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

- Graphite 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

Kona Projectors



Improved visual comfort
ERCO has developed luminaires with special housing designs and highquality 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



IP65 Protection mode IP65



Accessory for mounting variants



Switchable



Phase dimmable + On-board Dim



DALI dimmable

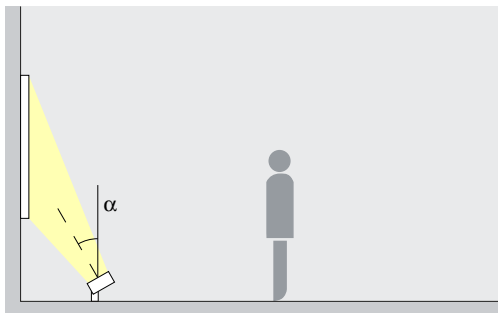


Casambi Bluetooth

Kona Projectors – Luminaire arrangement

Projectors

Narrow spot, Spot, Flood

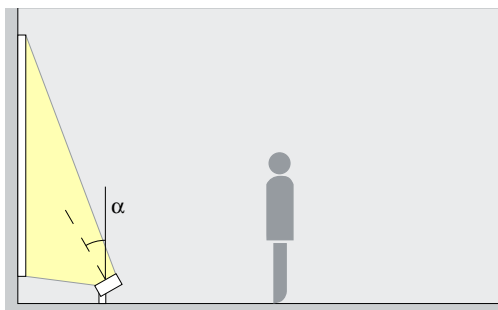


The ideal angle of tilt (α) for accent lighting with Kona projectors is around 30° . This emphasises the three-dimensionality of architectural details, sculptures or trees, without distorting the spatial impression with excessive shadowing.

Arrangement: $\alpha = 30^\circ$

Floodlights

Wide flood, Extra wide flood, Oval flood

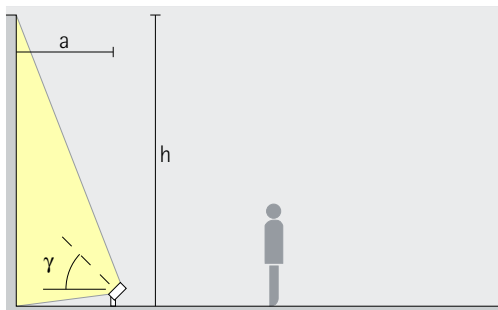


Kona projectors ensure uniform floodlighting of long wall surfaces, columns or trees. The ideal angle of tilt (α) for this is around 30°

Arrangement: $\alpha = 30^\circ$

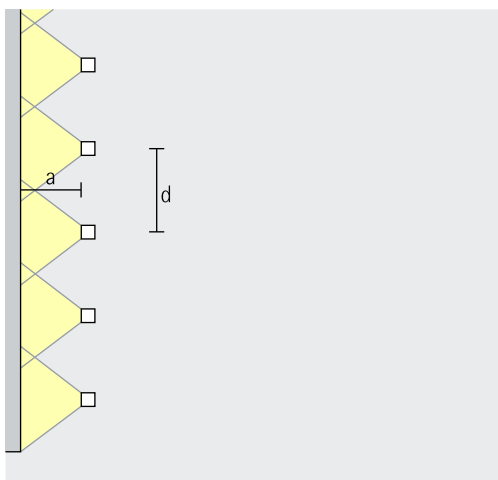
Lens wallwashers

Wallwash



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: $d \leq 1.2 \times a$

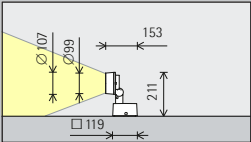
The optimal wall offset and luminaire spacing for each product are indicated in the wallwasher tables in the catalogue and the product data sheets.

Gyeongbokgung
Palace, Seoul.
Lighting design:
bitzro & partners,
Seoul. Photogra-
phy: Jackie Chan,
Sydney.

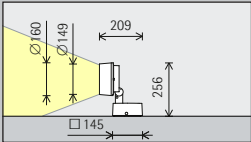


Kona Projectors

Construction size



Ø 107mm



Ø 160mm

LED module
Maximum value
at 4000K CRI 92

6.1W/862lm	2W/287lm (Narrow spot)
------------	------------------------

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

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

Control

	Switchable		DALI
	Phase dimmable + On-board Dim		Casambi Bluetooth

	Switchable		DALI
	Phase dimmable + On-board Dim		Casambi Bluetooth

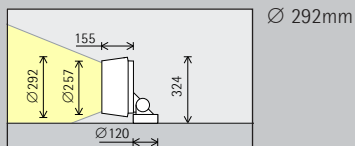
Colour (housing)

	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

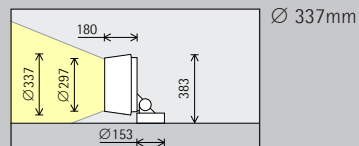
48.5W/6893lm	18.2W/2585lm (Narrow spot)
--------------	----------------------------

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)
---------------	----------------------------

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 *

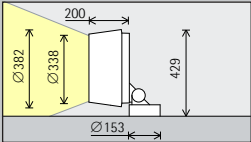
* available on request

www.erco.com/kona



Kona Projectors

Construction size Ø 382mm



LED module
Maximum value
at 4000K CRI 92

97W/13786lm	42.4W/6031lm (Narrow spot)
-------------	----------------------------

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





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

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





Aquatic Centre at
 Olympic Park,
 Munich. Cli-
 ent: Stadtwerke
 München GmbH.
 Architecture:
 Behnisch &
 Partner (archi-
 tect), Otto Frei
 (roof construc-
 tion), Stuttgart
 / Planplus
 GmbH Architek-
 ten, Munich
 (remodelling,
 refurbishment,
 project plan-
 ning). Electrical
 engineering:
 Ingenieurbüro
 Riemhofer,
 Munich, Paul
 and Michael Riem-
 hofer, Munich.
 Lighting design:
 3lpi lichtplaner
 + beratende
 ingenieure
 partnerschafts-
 gesellschaft mbh,
 Munich, Beatrice
 Seidt, Florian Zach.
 Construction
 management: ap
 architektur und
 projekte gmbh,
 Munich. Photo-
 graphy: David
 Schreyer.