

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's 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 is 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 LEDs: warm white (3000K) or neutral white (4000K)
- Collimating lens made of optical polymer

3 Housing

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

4 Control gear

- Switchable or 0-10V dimmable

5 Mounting plate and hinge

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

Suitable for wet locations (IP65)

Dust-proof and water jet-proof

Variants on request

- High-power LEDs: 3000K CRI 97 or 2700K, 3500K, 4000K with CRI 92
 - Housing: 10,000 further colors
- 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 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 colors

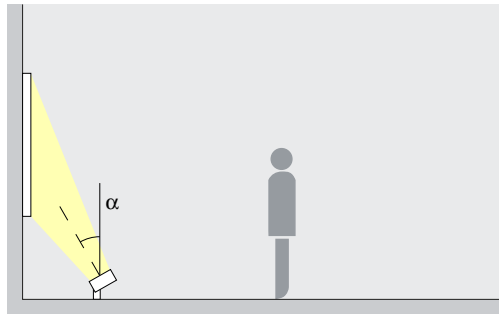
	Excellent thermal management
	EMC-optimized
	Degree scale for good adjustability
	Pivotable through 90° Lockable
	Wet location
	Accessory for mounting variants

	Switchable
	0-10V dimmable

Kona Projectors – Luminaire arrangement

Projectors

Narrow spot, Spot, Flood



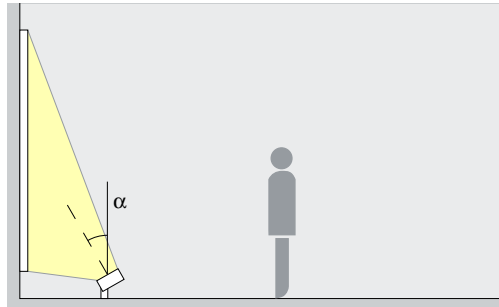
Accentuation

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



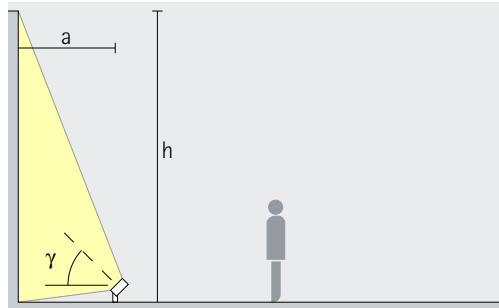
Washlighting

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

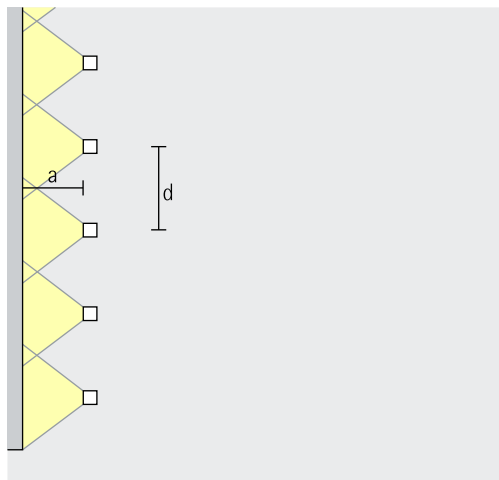
Wallwash



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: $d \leq 1.2 \times a$

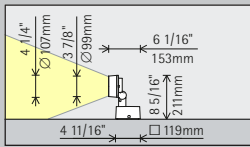
The optimal wall offset and luminaire spacing for each product are indicated in the wallwasher tables in the catalogue and the product data sheets.

Düsseldorfer
Schauspiel-
haus, Düsseldorf.
Architecture:
ingenhoven archi-
tects, Düsseldorf.
Lighting design:
Tropp Lighting
Design, Weilheim.
Photography:
ingenhoven archi-
tects / HGEsch

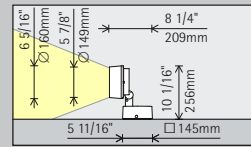


Kona Projectors

Construction size



Ø 4 1/4"



Ø 6 5/16"

LED module

Maximum value at 4000K CRI 82

6.1W/786lm	2W/262lm (Narrow spot)
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12.1W/1572lm	8.1W/1048lm (Narrow spot)
18.6W/2213lm	
24.3W/3144lm	

Light color

	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 **
0-10V	0-10V

0-10V	0-10V
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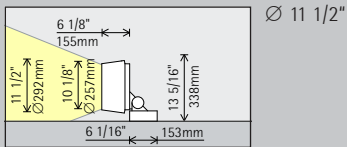
Color (housing)

	Graphit m
	10,000 colors *

	Graphit m
	10,000 colors *

Accessories

	Ground spike		Mounting plate		Clamping plate
	Ground socket		Cantilever arm		Adapter piece
	Concrete anchor		Attachment		Spacer



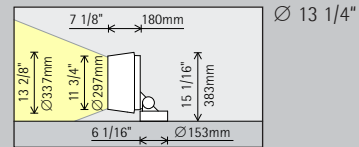
48.5W/6288lm	18.2W/2358lm (Narrow spot)
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	2700K CRI 92 *		3500K CRI 92 *
	3000K CRI 92		4000K CRI 82
	3000K CRI 97 *		4000K CRI 92 *

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

0-10V 0-10V

	Graphit m
	10,000 colors *



72.8W/9432lm	32.3W/4192lm (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

0-10V 0-10V

	Graphit m
	10,000 colors *

* available on request
 ** Only for narrow spot light distribution

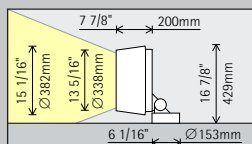
Article numbers and planning data:
www.erco.com/015663-us

Design and application:
www.erco.com/kona



Kona Projectors

Construction size



Ø 15 1/16"

LED module

Maximum value at 4000K CRI 82

97W/12576lm	42.4W/5502lm (Narrow spot)
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Light color

	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

0-10V	0-10V
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Color (housing)

	Graphit m
	10,000 colors *

Accessories

	Ground spike		Attachment
	Ground socket		Clamping plate
	Concrete anchor		Adapter piece
	Mounting plate		Spacer
	Cantilever arm		



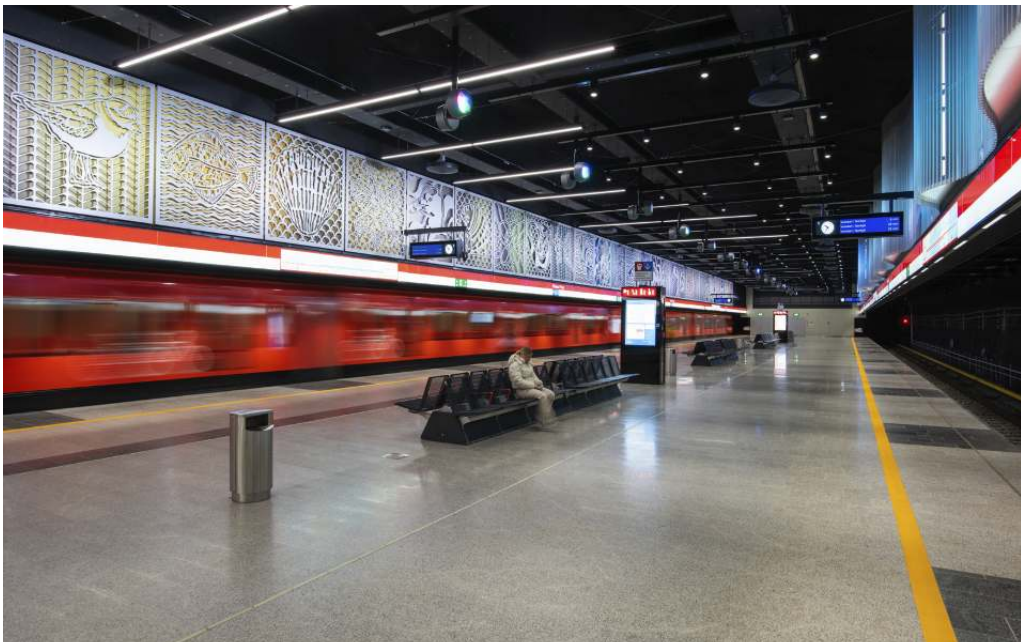
The Central Mall, Shanghai. Architecture: East China Architectural Design Institute, Shanghai Zhang Ming Architectural Design Institute & CallisonRTKL. Lighting design: Shanghai New Century Lighting Co., Ltd. Photography: Jackie Chan, Sydney.

* available on request

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

Design and application:
www.erco.com/kona





Metro stations,
Helsinki. Photo-
graphy: Johan
Elm.

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





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