

# 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](http://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 colors



Excellent thermal management



EMC-optimized



Degree scale for good adjustability



Pivotable through 90°  
Lockable



Wet location



Accessory for mounting variants



Switchable

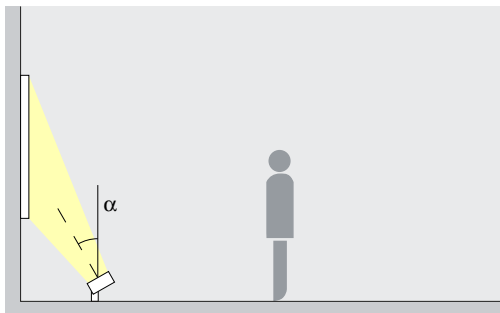


0-10V dimmable

# Kona Projectors – Luminaire arrangement

## Projectors

Narrow spot, Spot, Flood



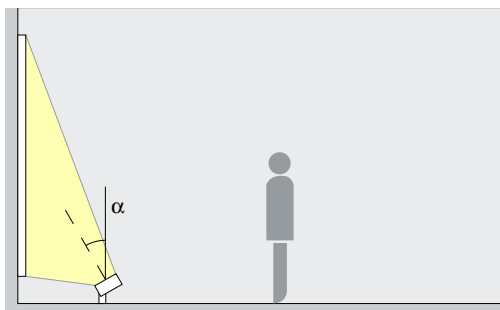
## Accentuation

The ideal angle of tilt ( $\alpha$ ) 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



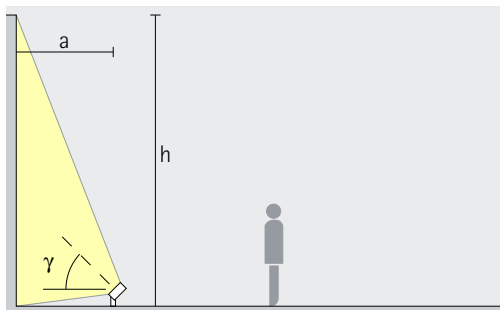
## Washlighting

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

Arrangement:  $\alpha = 30^\circ$

## Lens wallwashers

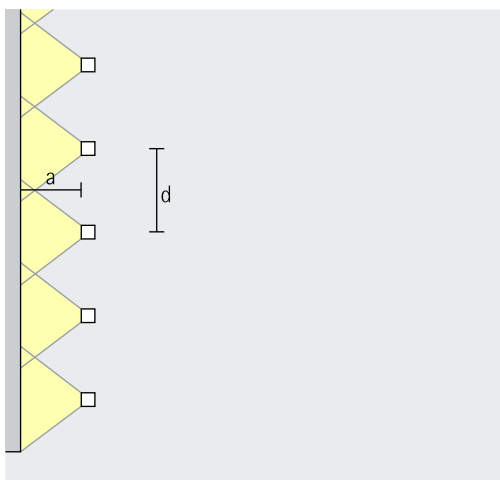
Wallwash



## 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 ( $\gamma$ ) of approx. 55°.

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

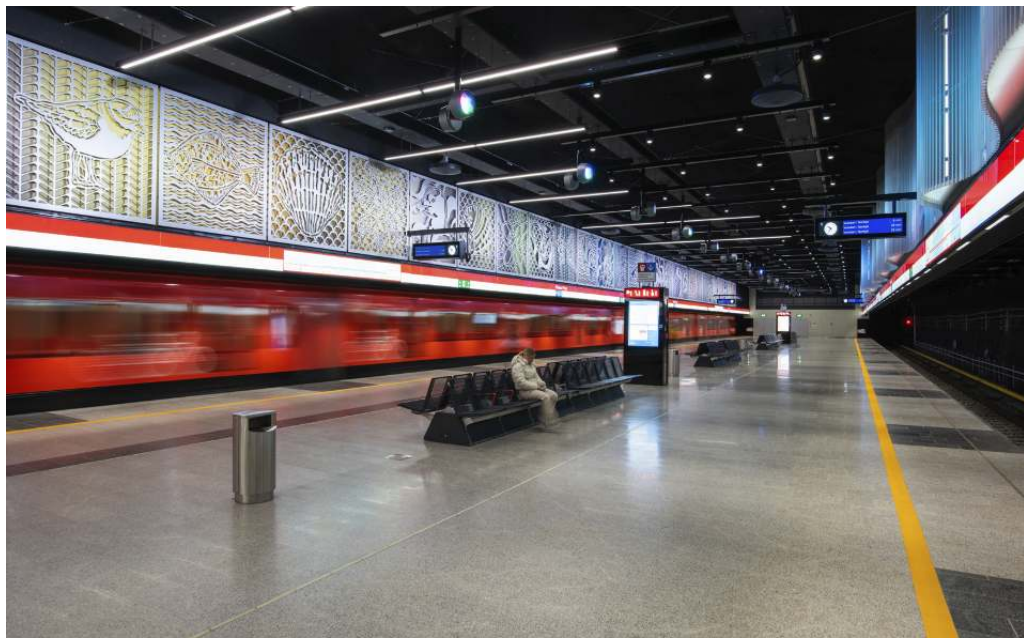


For good longitudinal uniformity, the spacing ( $d$ ) of Kona lens wallwashers may be up to 1.2 times the offset from the wall ( $a$ ).

Arrangement:  $d \leq 1.2 \times a$

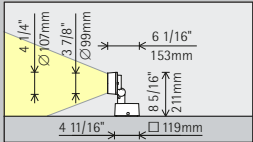
The optimal wall offset and luminaire spacing for each product are indicated in the wallwasher tables in the catalogue and the product data sheets.

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

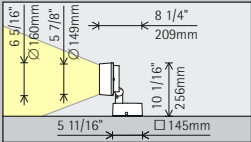


Kona Projectors

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) |
|------------|------------------------|

|              |                           |
|--------------|---------------------------|
| 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 |
|-------------|

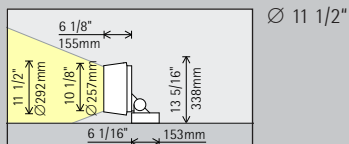
Color (housing)

|                 |
|-----------------|
| 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         |



Ø 11 1/2"

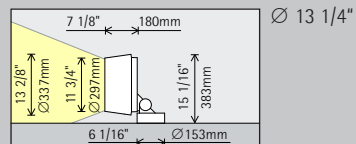
|              |                            |
|--------------|----------------------------|
| 48.5W/6288lm | 18.2W/2358lm (Narrow spot) |
|--------------|----------------------------|

|                |                |
|----------------|----------------|
| 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 * |



Ø 13 1/4"

|              |                            |
|--------------|----------------------------|
| 72.8W/9432lm | 32.3W/4192lm (Narrow spot) |
|--------------|----------------------------|

|                |                |
|----------------|----------------|
| 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

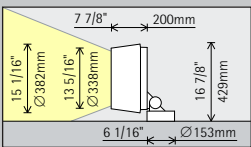
Article numbers and planning data:  
[www.erco.com/015663-us](http://www.erco.com/015663-us)

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

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 |
|-------|-------|

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](http://www.erco.com/015663-us)

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





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

