



Iku – Universal for architectural lighting

Iku surface-mounted luminaires bring the diversity of architectural lighting to environments exposed to weather or special stresses: the bus terminal, under cantilever roofs, or in passageways. Surface-mounted installation also makes upgrading existing buildings simple and economical. With their precise, neutral shape, the cylindrical surface-mounted luminaires fit into any architectural context. They harmonize perfectly with the other luminaires in the extensive Iku family for lighting concepts that consistently combine interior and exterior. The extremely high level

of visual comfort also minimizes unwanted emissions into the night-time environment.



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 lenses

- Made of optical polymer
- Fresnel lenses: Wide flood, Extra wide flood or Oval flood
- Lens system: Wallwash

2 ERCO LED module

- Mid-power LEDs (downlights) or High-power LEDs (wallwashers): warm white (3000K) or neutral white (4000K)
- Downlights: collimating lens made of optical polymer

3 Anti-dazzle cone

- Silver-coated or black

4 Housing and ceiling fixture

- Graphite m
- Corrosion-resistant cast aluminum, no-rinse surface treatment
- Double powder-coated
- Non-reflective safety glass
- Ceiling fixture: polymer

5 Control gear

- 0-10V dimmable

Variants on request

- Mid-power LEDs (downlights): 2700K, 3000K, 3500K, or 4000K with CRI 92
- High-power LEDs (wallwashers): 3000K CRI 97 or 2700K, 3500K, 4000K with CRI 92
- Housing: 10,000 additional colors
- Anti-dazzle cone: gold matt, silver matt, champagne matt, or copper matt-coated and other colors

Please contact your ERCO consultant.



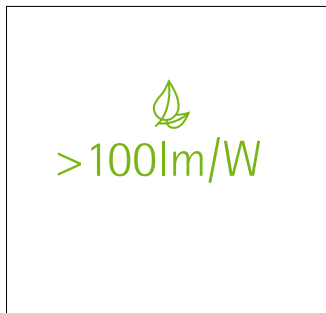
Design and application:
www.erco.com/iku-o-s

Iku Surface-mounted luminaires



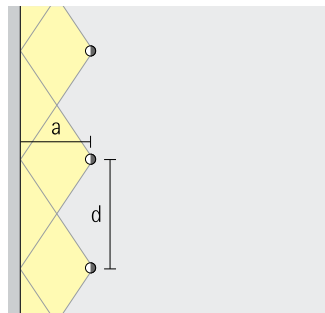
Elegant light emission

The special geometry of the lens ensures a uniformly illuminated light opening with high visual comfort.



Economical lighting

Iku downlights, offering up to 120lm/W, ensure superior efficiency for ambient lighting. Iku is the ideal choice for both new installations and refurbishments, adapting dynamically to your needs.



Wide luminaire spacing with wallwashing

With ERCO's advanced lighting technology, Iku luminaires can be installed at up to 1.5 times the wall spacing, providing excellent light distribution.

Special characteristics



Elegant light emission



>100lm/W



Wide luminaire spacing with wallwashing



ERCO Mid-power LEDs /
ERCO High-power LEDs



Different light distributions



Different light colors



Excellent thermal management



EMC-optimized



Various construction sizes



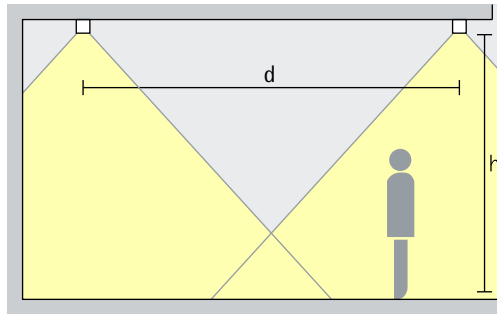
Easy installation



0-10V dimmable

Iku Surface-mounted luminaires – Luminaire arrangement

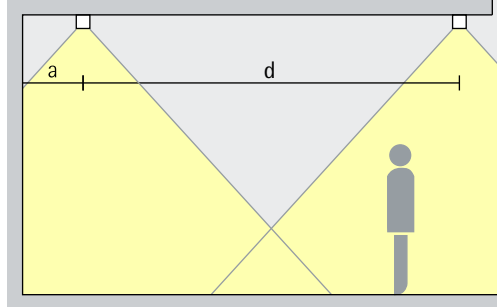
Surface-mounted downlights Wide flood, Extra wide flood



General lighting

For uniform ambient lighting, the approximate distance (d) between two Iku downlights may be up to 1.5 times the height (h) of the luminaire above the working plane.

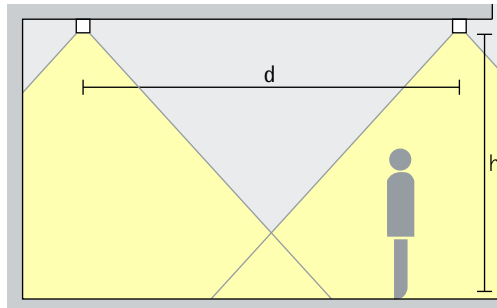
Arrangement: $d \leq 1.5 \times h$



The wall offset should be half the luminaire spacing.

Arrangement: $a = d / 2$

Surface-mounted downlights oval flood Oval flood

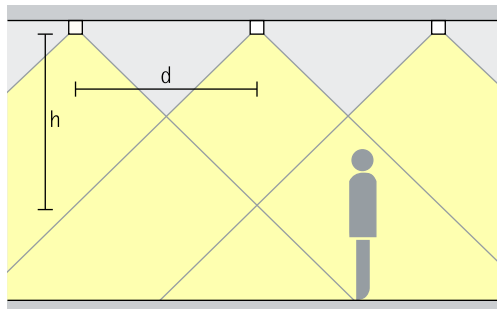


Linear lighting

For linear arrangements and uniform lighting, the approximate distance (d) between two Iku downlights may be up to 1.5 times the height (h) of the luminaire above the working plane.

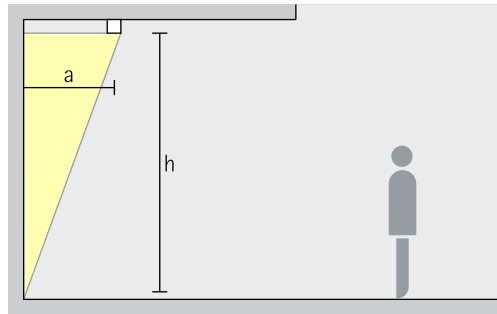
Arrangement: $d \leq 1.5 \times h$

Area of application: covered transport routes, such as railway stations and airports.



Iku Surface-mounted luminaires – Luminaire arrangement

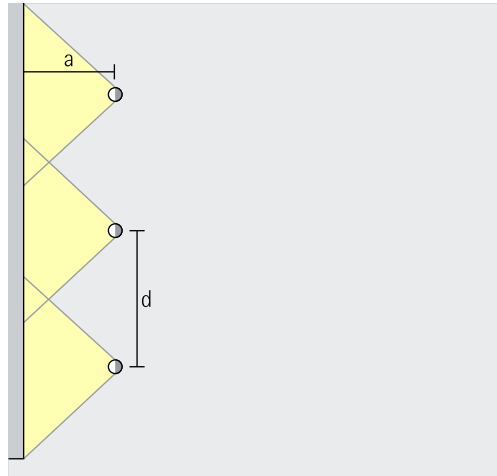
Surface-mounted lens wallwashers Wallwash



Wallwashing

For uniform vertical lighting, the distance to the wall (a) of Iku lens wallwashers should be around one third the room height (h).

Arrangement: $a = 1/3 \times h$

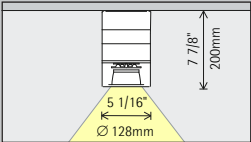


For good longitudinal uniformity, the distance (d) of Iku lens wallwashers may be up to 1.3 times the distance to the wall (a).

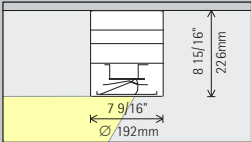
Arrangement: $d \leq 1.3 \times a$

Iku Surface-mounted luminaires

Construction size



Size 3



Size 5

LED module
Maximum value
at 4000K CRI 82

4.8W/1058lm
8.7W/1786lm

24.3W/3144lm

Light color

	2700K CRI 92 *		3500K CRI 92 *
	3000K CRI 82 **		4000K CRI 82
	3000K CRI 92		4000K CRI 92 *
	3000K CRI 97 ***		

	2700K CRI 92 *		3500K CRI 92 *
	3000K CRI 92		4000K CRI 82
	3000K CRI 97*		4000K CRI 92 *

Light
distribution

Surface-mounted downlights	Surface-mounted downlights oval flood
Wide flood	Oval flood
Extra wide flood	Surface-mounted lens wallwashers
	Wallwash

Surface-mounted lens wallwashers
Wallwash

Control

0–10V	0–10V
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0–10V	0–10V
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Color (housing)

	Graphit m
	10,000 colors *

	Graphit m
	10,000 colors *

Color
(anti-glare cone)

	Silver		10,000 colors *
	Black		

	Silver		10,000 colors *
	Black		

Accessories

	Spacer
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- * available on request
- ** only for Wide flood, Extra wide flood and Oval flood distribution
- *** only for wallwash distribution

Article numbers and planning data:
www.erco.com/029200-us

Design and application:
www.erco.com/iku-o-s





For lighting concepts that combine the indoors and outdoors. Iku outdoor surface-mounted luminaires. Visualization: Electric Gobo