



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 harmonise perfectly with the other luminaires in the extensive Iku family for lighting concepts that consistently combine interior and exterior. With Tunable White as an

option, they allow for HCL designs that take all "three A's" – activity, atmosphere, and architecture – equally into account. The extremely high level of visual comfort also minimises 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), neutral white (4000K) or Tunable white (2700-6500K)
- Downlights: collimating lens made of optical polymer

3 Anti-glare cone

- Silver-coated or black

4 Housing and ceiling fixture

- Graphit m
- Corrosion-resistant cast aluminium, no-rinse surface treatment
- Double powder-coated
- Reflective protective glass
- Ceiling fixture: polymer

5 Control gear

- Switchable or DALI 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 colours
- Anti-glare cone: gold matt, silver matt, champagne matt or copper matt-coated and other colours

Please contact your ERCO consultant.



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

Iku Surface-mounted luminaires



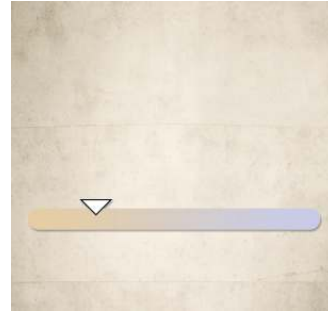
Elegant light emission

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



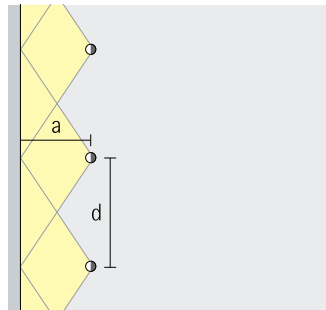
Economical lighting

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.



Tunable white technology

Adjust the colour temperature dynamically or illuminate in colour. Luminaires with tunable white or RGBW allow for scenographic lighting concepts.



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



Tunable white



Wide luminaire spacing with wallwashing



ERCO Mid-power LEDs /
ERCO High-power LEDs



Different light distributions



Different light colours



Excellent thermal manage-
ment



EMC-optimised



Various construction sizes



Easy installation



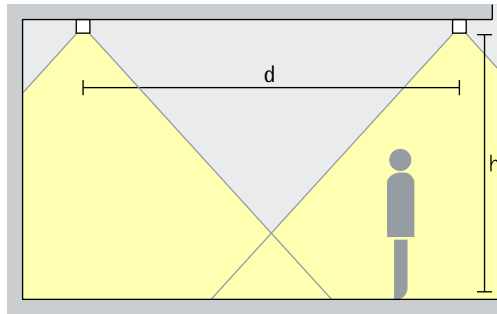
Switchable



DALI dimmable

Iku Surface-mounted luminaires – Luminaire arrangement

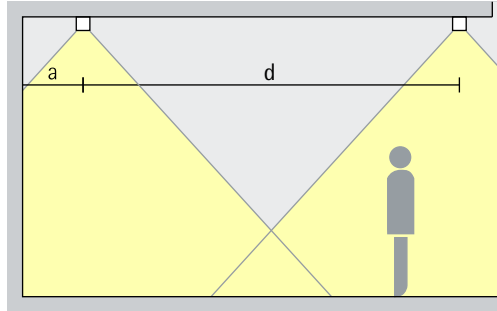
Surface-mounted downlights Wide flood, Extra wide flood



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.

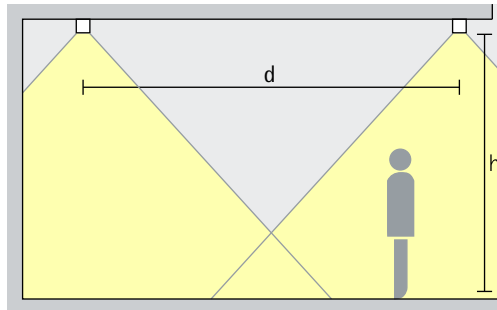
Arrangement: $d \leq 1.5 \times h$



The wall offset should be half the luminaire spacing.

Arrangement: $a = d / 2$

Surface-mounted downlights oval flood Oval flood

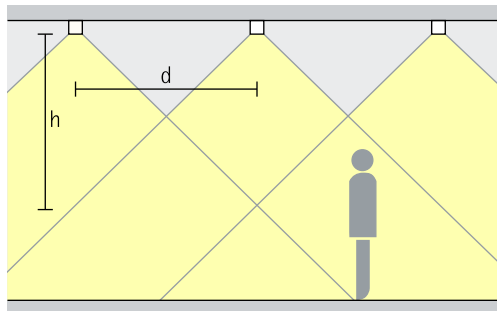


Linear lighting

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.

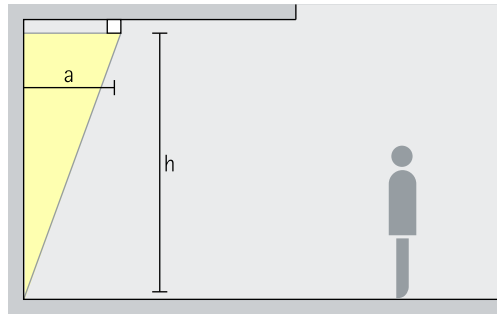
Arrangement: $d \leq 1.5 \times h$

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



Iku Surface-mounted luminaires – Luminaire arrangement

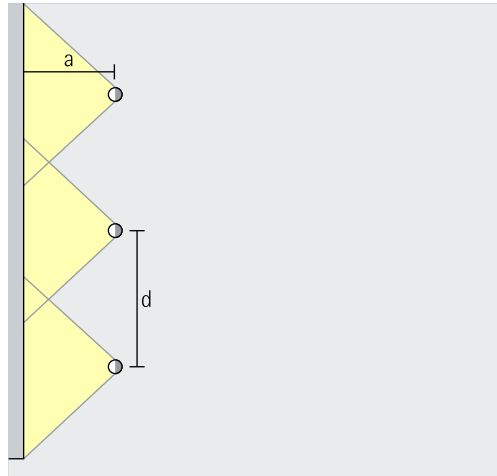
Surface-mounted lens wallwashers Wallwash



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: $a = 1/3 \times h$

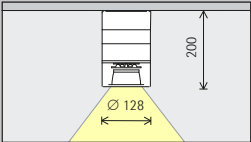


For good longitudinal uniformity, the distance (d) of Iku lens wallwashers may be up to 1.3 times the distance to the wall (a).

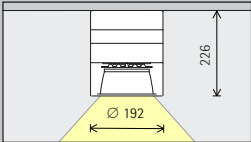
Arrangement: $d \leq 1.3 \times a$

Iku Surface-mounted luminaires

Construction size



Size 3



Size 5

LED module
Maximum value
at 4000K CRI 82

4.8W/1058lm
8.7W/1786lm

16.1W/3528lm
29.1W/5952lm

Light colour

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

Light
distribution

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

Surface-mounted downlights	Surface-mounted downlights oval flood
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Control

	Switchable
	DALI

	Switchable
	DALI

Colour (housing)

	Graphit m
	10,000 colours *

	Graphit m
	10,000 colours *

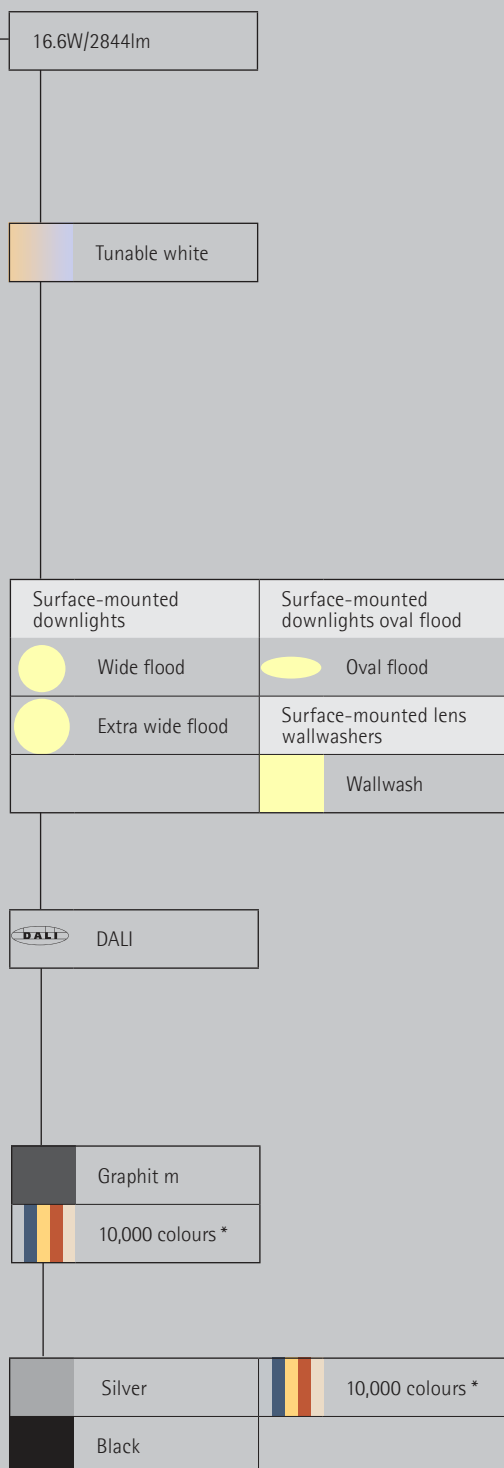
Colour
(anti-glare cone)

	Silver		10,000 colours *
	Black		

	Silver		10,000 colours *
	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

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





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