



Iku – Efficient, economical, universal

Downlights and wallwashers for architectural lighting

Five sizes and five light distributions enable perfect, economical lighting for applications of all dimensions: in large public buildings, offices and conference centres, but also in smaller rooms in the restaurant and hotel sector. Iku enables large luminaire spacing with wide light distributions thanks to oval light beams. Iku wallwashers and double wallwashers enhance rooms and corridors with visual width and increase the impression of brightness. Iku is characterised by high luminous

efficacy and a long service life. The combination of tunable white, different light distributions and modern connectivity creates lighting in the sense of Human Centric Lighting.



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 or Double wallwash
- Oval flood 360° rotation

2 ERCO LED-module

- Mid-power LEDs (downlights) or High-power LEDs (wallwashers): warm white (2700K or 3000K), neutral white (3500K or 4000K) or Tunable white (2700-6500K)
- Downlights: collimating lens made of optical polymer

3 Anti-glare cone

- Silver-coated or black

4 Mounting ring

- Covered mounting detail
- Fixing for ceiling thicknesses of 1-25mm (size 2-4) or 1-30mm (size 5-7)
- Polymer, white
- Ceiling-flush mounting detail (size 2): mounting for 12.5-25mm ceiling thicknesses.
- For ceiling-flush mounting (sizes 3-7): mounting ring to be ordered separately, fixing for ceiling thicknesses of 12.5-25mm

5 Housing

- Cast aluminium, designed as heat sink
- Rotatable through 360°

6 Control gear

- Switchable, DALI dimmable or Casambi Bluetooth

Variants on request

- Anti-glare cone: gold, silver matt, champagne or copper matt-coated and other colours
- Connection: 3- or 5-pole plug with connection cable (Wago or Wieland)
- Mounting ring: 10,000 further colours

Please contact your ERCO consultant.



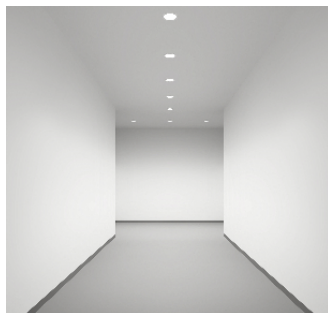
Design and application:
www.erco.com/iku

Iku Recessed luminaires



Elegant light emission

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



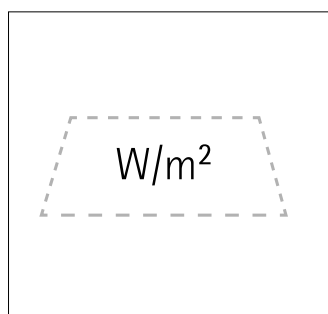
Double wallwasher

The special light distribution of the double wallwashers efficiently illuminates the opposite walls of corridors. The diffuse, reflected light from the walls also illuminates the floor and ceiling.



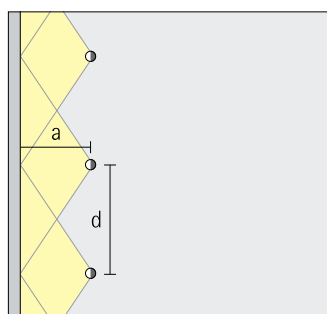
Tunable white technology

Just as the colour temperature outdoors changes continuously during the day, the colour temperature of indirect lighting can be adjusted indoors to e.g. support lighting concepts for Human Centric Lighting.



Efficient ambient lighting

Iku enables efficient ambient lighting with a low power density of 0.62W/m^2 at 100lx – reducing connected load and lowering energy costs.



Wide luminaire spacing with wallwashing

Efficient ERCO photometrics allow certain luminaires to be spaced unusually far apart at up to 1.5 times the distance to wall.

Special characteristics

	Elegant light emission
	Double wallwasher
	Tunable white
	W/m^2
	Wide luminaire spacing with wallwashing

	ERCO Mid-power LEDs / ERCO High-power LEDs
	Optical cut-off $30^\circ/40^\circ$
	Different light distributions
	Oval flood, freely rotatable
	Different light colours

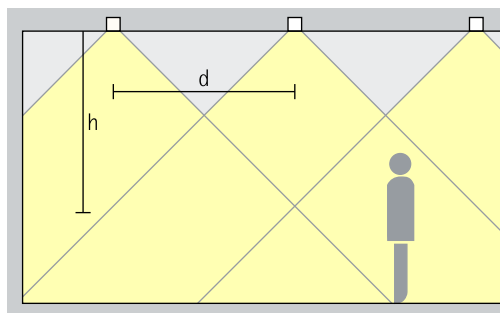
	Excellent thermal management
	EMC-optimised
	Various construction sizes
	Lockable
	Flush or covered mounting detail
	Tool-free mounting

	Switchable
	DALI dimmable
	Casambi Bluetooth

Iku Recessed luminaires – Luminaire arrangement

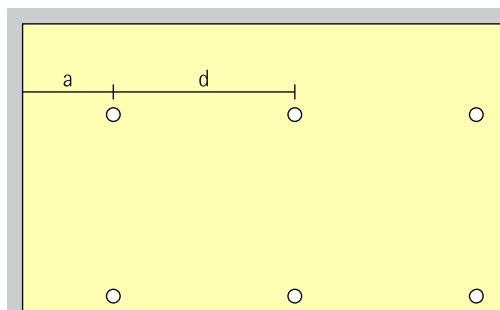
Downlights

Wide flood, Extra wide flood



For uniform general lighting with high visual comfort, the luminaire spacing (d) between two Iku downlights may be up to 1.5 times the height (h) of the luminaire above the working plane (rough guide).

Arrangement: $d = 1.5 \times h$

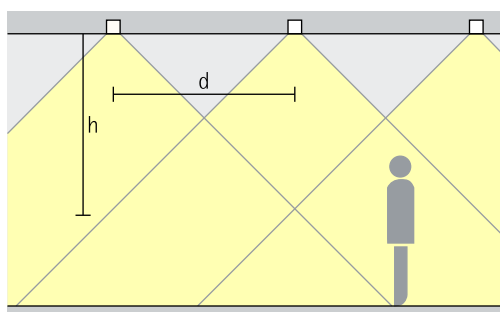


The wall offset should be half the luminaire spacing.

Arrangement: $a = d / 2$

Downlights oval flood

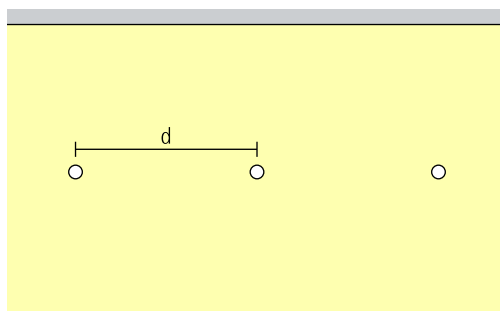
Oval flood



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

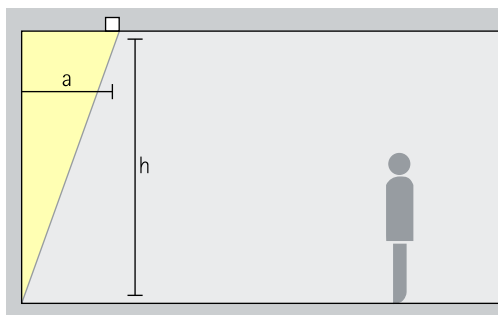
Arrangement: $d = 1.5 \times h$

Application area: corridors and circulation areas.



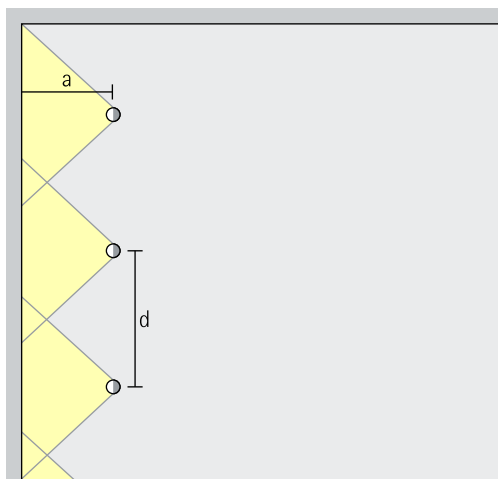
Iku Recessed luminaires – Luminaire arrangement

Lens wallwashers Wallwash



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

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

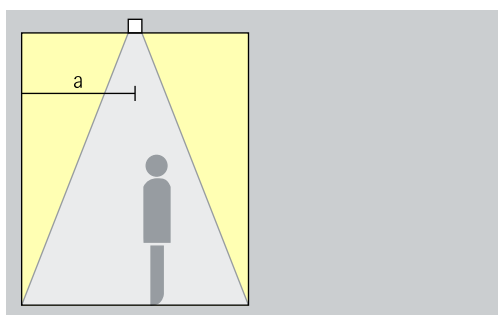


For good longitudinal uniformity, the luminaire spacing (d) of Iku wallwashers may be up to 1.3 times the distance to the wall (a).

Arrangement: $d \leq 1.3 \times a$

Optimal wall distances and luminaire spacing values for individual products are specified in the wallwasher tables.

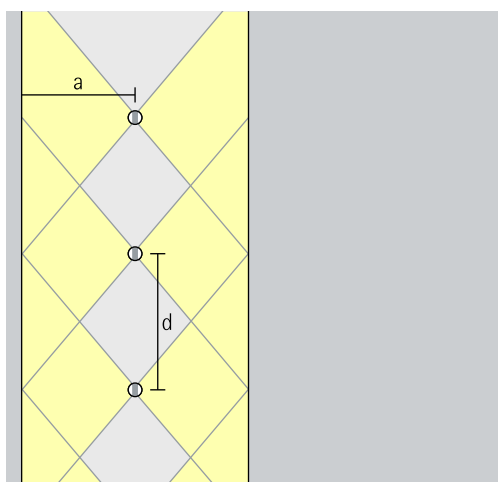
Double wallwashers Double wallwash



For the uniform vertical lighting of opposite walls, the distance to the wall (a) on both sides with Iku double wallwashers should be around one third of the room height (h). The luminaires should always be positioned on the central axis between the walls.

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

Application area: Corridors, e.g. in administrative and healthcare buildings



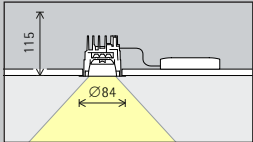
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Arrangement: $d \leq 1.3 \times a$

Optimal wall distances and luminaire spacing values for individual products are specified in the wallwasher tables.

Iku Recessed luminaires

Construction size Size 2



LED module
Maximum value
at 4000K CRI 92

3W/545lm

Light colour

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

Light
distribution

Downlights		Downlights oval flood	
	Wide flood		Oval flood
	Extra wide flood	Lens wallwashers	
			Wallwash

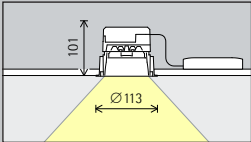
Control

	Switchable
	DALI
	Casambi Bluetooth

Colour
(anti-glare
cone)

	Silver
	Black

Size 3



9.3W/1656lm

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

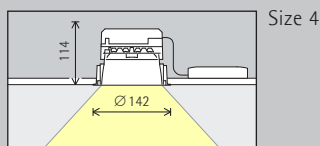
Downlights		Downlights oval flood	
	Wide flood		Oval flood
	Extra wide flood	Lens wallwashers	
			Wallwash

	Switchable
	DALI
	Casambi Bluetooth

	Silver
	Black

Accessories

	Concrete mounting enclosure		Spacer plate		Compensation set
	Mounting ring		Mounting plate for panelled ceilings		Cover ring



16.6W/3010lm

9.2W/1584lm

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

Tunable white

Downlights	Lens wallwashers
Wide flood	Wallwash
Extra wide flood	Double wallwashers
Downlights oval flood	Double wallwash
Oval flood	

Downlights	Downlights oval flood
Wide flood	Oval flood
Extra wide flood	Lens wallwashers
	Wallwash

	Switchable
	DALI
	Casambi Bluetooth

	DALI
	Casambi Bluetooth

	Silver
	Black

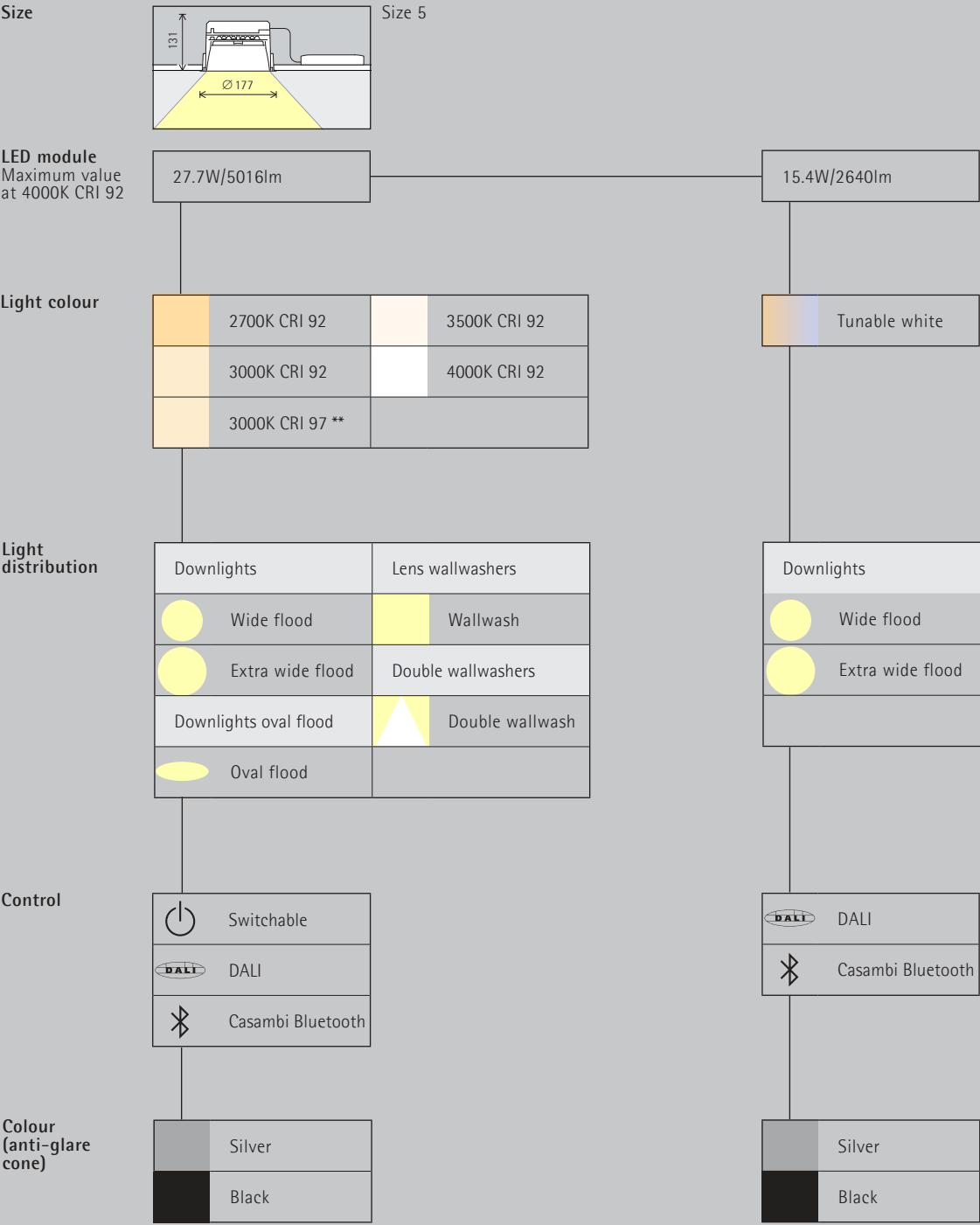
	Silver
	Black

** only for wallwash and double wallwash distribution

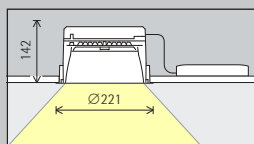
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Iku Recessed luminaires



Accessories		Concrete mounting enclosure		Spacer plate		Compensation set
		Mounting ring		Mounting plate for panelled ceilings		Cover ring



Size 7

35.6W/6579lm

23.1W/3960lm

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

Tunable white

Downlights	Downlights oval flood
Wide flood	Oval flood
Extra wide flood	Lens wallwashers
	Wallwash

Downlights	Downlights oval flood
Wide flood	Oval flood
Extra wide flood	Lens wallwashers
	Wallwash

	Switchable
	DALI
	Casambi Bluetooth

	DALI
	Casambi Bluetooth

	Silver
	Black

	Silver
	Black

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