



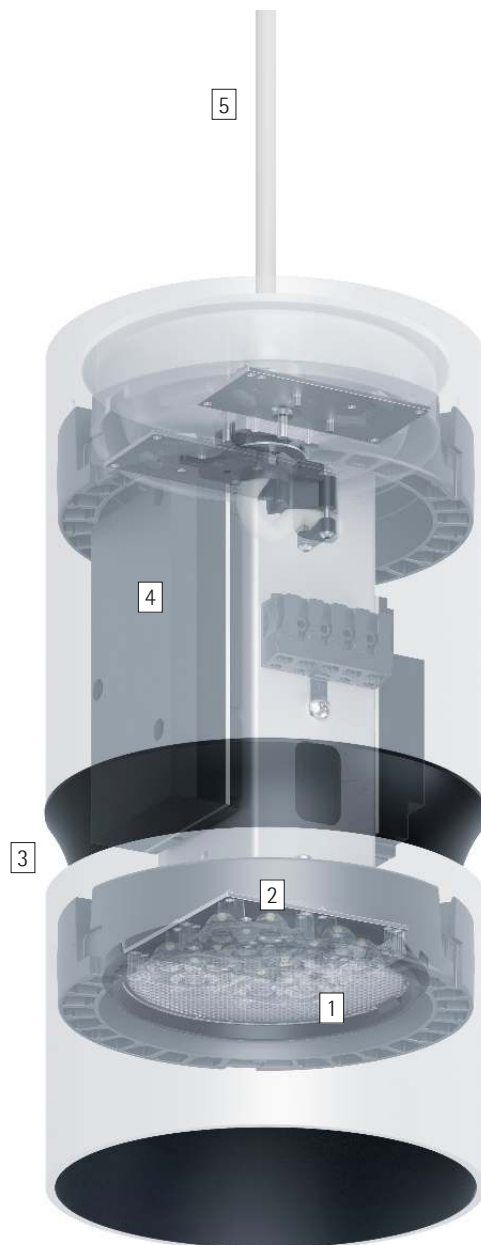
Atrium double focus – Sophisticated light for high rooms

**Versatile, high lumen-output
lighting technology – for illu-
mination from large heights**

Atrium double-focus luminaires are especially suitable for high rooms, foyers, public buildings and sacred spaces. The cylindrical housing gains a striking design accent with the light-tight ventilation gap. Narrow downlight distributions generate precise lighting from large heights. The optional indirect component creates atmosphere and reduces contrasts. Their low weight allows them to be suspended via the power cable. All Atrium luminaires are available as an option

with black or silver anti-glare cone. The in-house developed control gear provides uniform operating behaviour of luminaire groups and dimming values down to 0.1% via DALI.

Atrium double focus Pendant luminaires



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 emission below)

- Light distributions: flood or wide flood

Diffuser (light emission upwards)

- Polymer

2 ERCO LED-module

- High-power LEDs: warm white (2700K or 3000K) or neutral white (3500K or 4000K)
- Collimating lens made of optical polymer

3 Cylinder

- White (RAL9002), black or silver
- Aluminium profile, powder-coated, black or matt silver coated inside
- Cut-off angle 30° or 40°
- Cone: polymer, black

4 Control gear

- Switchable, phase dimmable or DALI dimmable
- Phase dimmable version: Dimming with external dimmers possible (trailing edge)

5 Ceiling fixture with canopy

- White or black
- Connection cable with strain relief

Variants on request

- Housing: 10,000 further colours
- Please contact your ERCO consultant.



Design and application:
www.erco.com/atrium-df-pendant

Atrium double focus Pendant luminaires



Very high 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 good glare control of the lens systems enables large lumen packages with high visual comfort.



Suitable for high rooms
Theatres, atria and lecture halls are usually illuminated from the ceiling and therefore from a large height. Efficient lighting solutions for high rooms have luminaires that project the light precisely onto the surface to be illuminated, in this way avoiding spill light.

Special characteristics



Excellent visual comfort



Large lumen packages for very high illuminances



for high rooms



ERCO high-power LEDs



Efficient Spherolit technology



Cut-off 30°/40°



Different light colours



Excellent thermal management



EMC-optimised



Various housing colours



Various construction sizes



Switchable



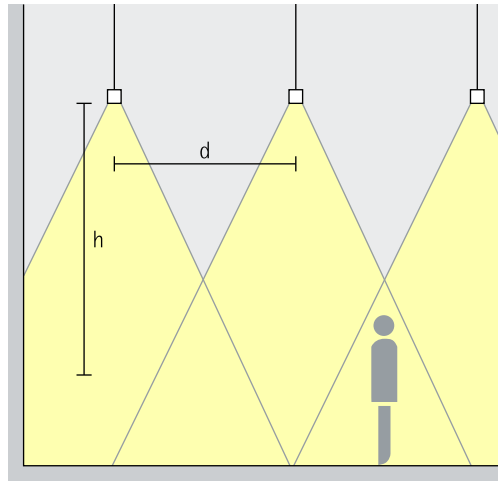
Phase dimmable



DALI dimmable

Atrium double focus Pendant luminaires – Luminaire arrangement

Pendant downlights Flood, Wide flood

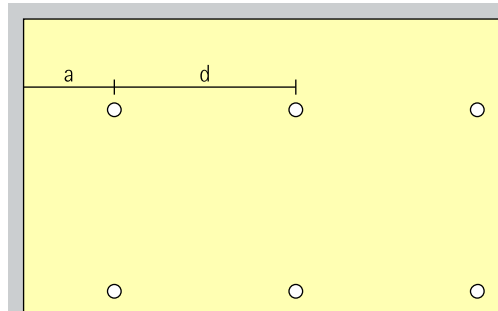


General lighting

For uniform general lighting, half the height (h) of the luminaire above the working plane can be used as the luminaire spacing (d) between two Atrium double focus pendant downlights (rough guide).

Arrangement: $d = h / 2$

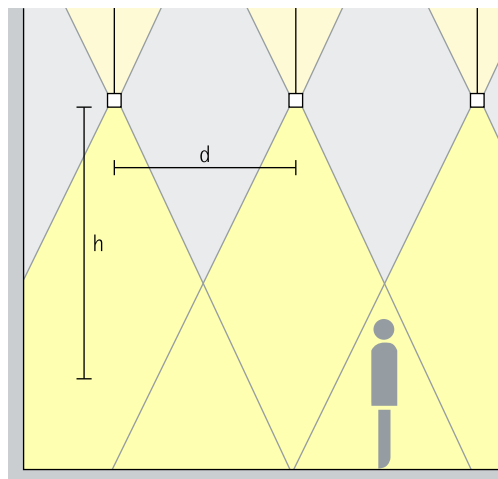
Application area: rooms with high ceilings, e.g. foyers or event halls.



The recommended offset from the wall is half the luminaire spacing.

Arrangement: $a = d / 2$

Pendant downlights direct/indirect Flood, Wide flood

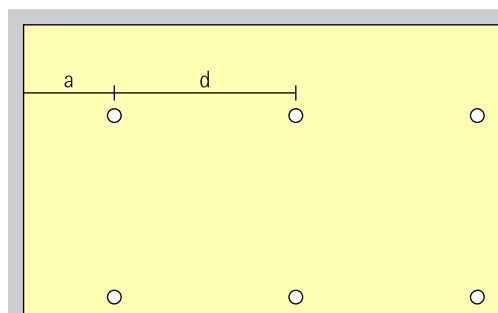


General lighting

For uniform general lighting, half the height (h) of the luminaire above the working plane can be used as the luminaire spacing (d) between two Atrium double focus pendant downlights (rough guide). Indirect lighting on the ceiling increases the visual comfort due to diffusely reflected light. The height of the room is also emphasised. The luminaire should be suspended from a height of at least 0.5m.

Arrangement: $d = h / 2$

Application area: rooms with high ceilings, e.g. foyers or event halls.



The recommended offset from the wall is half the luminaire spacing.

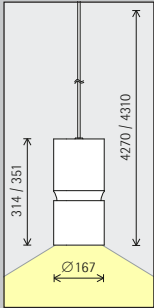
Arrangement: $a = d / 2$

Millfield School,
Somerset. Photo-
graphy: Martina
Ferrera.

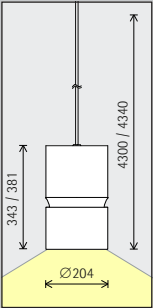


Atrium double focus Pendant luminaires

Construction size



Size 5









Size 7







LED module
Maximum value
at 4000K CRI 82

24.3W/3144lm	37.3W/4427lm
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48.5W/6288lm	74.6W/8854lm
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Light colour
(direct)

	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

Pendant downlights	
	Flood
	Wide flood





Pendant downlights	
	Flood
	Wide flood





Control

	Switchable
	Phase dimmable
	DALI




	Switchable
	Phase dimmable
	DALI




Colour (housing)

	White		Silver
	Black		10,000 colours *


	White		Silver
	Black		10,000 colours *

Colour
(anti-glare cone)

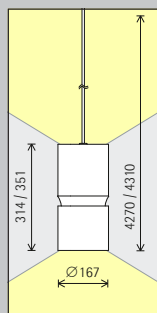
	Silver matt		10,000 colours *
	Black		

	Silver matt		10,000 colours *
	Black		

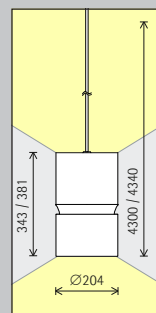
Accessories

	Pendant tube suspension
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Construction size



Size 5



Size 7

LED module

Maximum value
at 4000K CRI 82

36.4W/4716lm	55.9W/6640lm
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72.8W/9432lm	111.9W/13281lm
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Light colour (direct and indirect)

	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

Pendant downlights
Flood
Wide flood

Pendant downlights
Flood
Wide flood

Control

	Switchable
	Phase dimmable
	DALI

	Switchable
	Phase dimmable
	DALI

Colour (housing)

	White		Silver
	Black		10,000 colours *

	White		Silver
	Black		10,000 colours *

Colour (anti-glare cone)

	Silver matt		10,000 colours *
	Black		

	Silver matt		10,000 colours *
	Black		

* available on request

Article numbers and planning data:
www.erco.com/017686

Design and application:
www.erco.com/atrium-df-pendant





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London. Archi-
tecture: AHMM,
London. Lighting
design: AHMM,
London. Photo-
graphy: Martina
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