



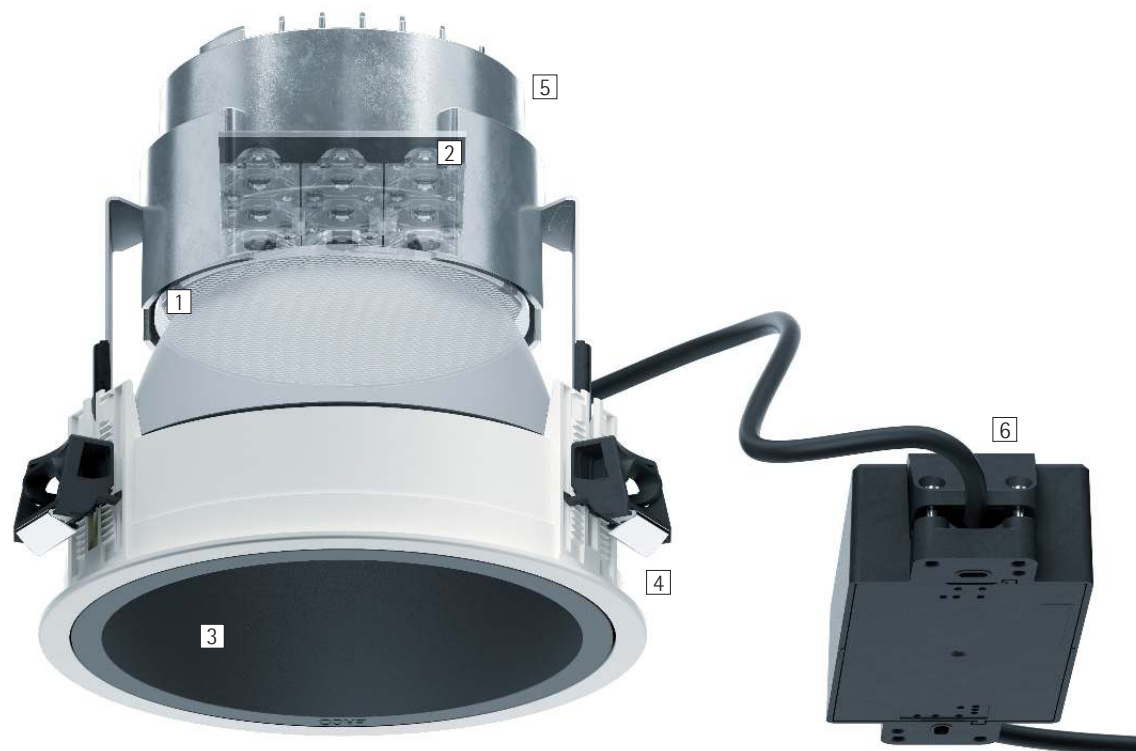
## Atrium double focus – Sophisticated light for high rooms

### **The lighting tool for perfectly glare-free light from the ceiling**

Atrium double focus downlights are particularly suitable for use in high rooms. The lens systems generate narrow downlight distributions or, as wallwashers, create uniform vertical illumination, even at short distances to the wall. The black anti-glare cone provides particularly high visual comfort. The silver anti-glare cone is ideal for elegant integration in bright ceilings. For inclined ceilings, a recessed version is available that compensates for inclination angles up to 30°. In-house developed con-

trol gear enables uniform operating behaviour of luminaire groups and dimming down to 1% – perfect for auditorium lighting in cinemas, theatres and concert halls.

## Atrium double focus Recessed 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 distributions: flood, wide flood or wallwash

#### 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 Anti-glare cone

- Optical cut-off 40°
- Black or matt silver coated

or

#### Anti-glare ring (double focus for sloping ceilings)

- Cast aluminium or polymer, external white, internal black

#### 4 Mounting ring

- Covered mounting detail
- Fixing for ceiling thicknesses of 1-25mm (size 3-4) or 1-30mm (size 5-10)
- Polymer, white
- For flush mounting: 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°
- For inclined ceilings: 0°-30° tilt. Lockable angles of tilt and rotation

#### 6 Control gear

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

#### Variants on request

- Anti-glare cone: coated matt gold or matt champagne
- 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/atrium-df](http://www.erco.com/atrium-df)

## Atrium double focus Recessed luminaires



**Very high visual comfort**  
ERCO has developed luminaires with special housing designs and high quality optical components specifically for demanding visual tasks to provide enhanced visual comfort.



**Outstanding uniformity**  
To meet the stringent standards of vertical illuminance, ERCO has developed luminaires specifically to produce exceptionally uniform levels of illuminance.



**Wallwashing for high rooms**  
Multi-storey spaces pose specific lighting challenges. Previously, wallwashers had to be mounted in very high-ceilinged rooms at a disproportionately great distance from the wall; however, the ideal position for the recently developed Atrium double-focus wallwashers is now at a distance of only one fifth of the height of the room.





















**Also suitable for sloping ceilings**  
As variants with a pivot angle of up to 30°, double focus downlights can also be mounted in sloping ceilings.



**Covered or flush mounting detail**  
As standard, all recessed luminaires have overlapping installation details. Flush mounting rings are available as accessories.

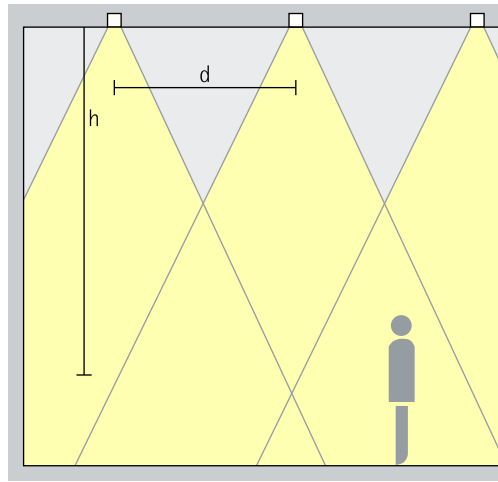
### Special characteristics

|   |                                  |   |                                |   |                              |   |                   |
|---|----------------------------------|---|--------------------------------|---|------------------------------|---|-------------------|
|  | Excellent visual comfort         |  | ERCO high-power LEDs           |  | Excellent thermal management |  | Switchable        |
|  | Outstanding uniformity           |  | Efficient Spherolit technology |  | EMC-optimised                |  | Phase dimmable    |
|  | Wallwashing for high rooms       |  | Optical cut-off 40°            |  | Various construction sizes   |  | DALI dimmable     |
|  | For inclined ceilings            |  | Different light colours        |  | Lockable                     |  | Casambi Bluetooth |
|  | Flush or covered mounting detail |   |                                |  | Tool-free mounting           |   |                   |

## Atrium double focus Recessed luminaires – Luminaire arrangement

### Downlights

Flood, Wide flood

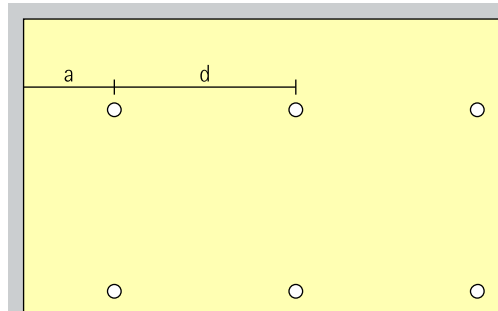


### General lighting

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

Arrangement:  $d = h / 2$

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

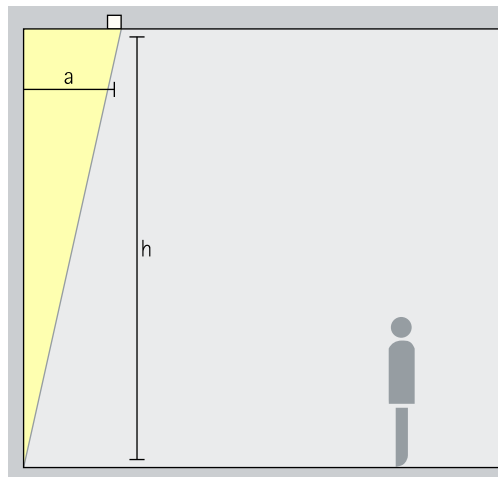


The wall offset should be half the luminaire spacing.

Arrangement:  $a = d / 2$

### Lens wallwashers

Wallwash

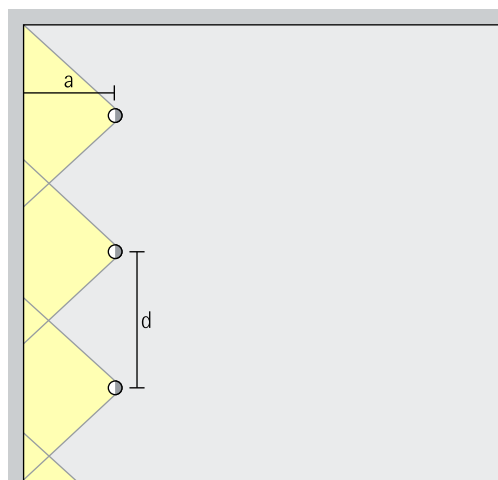


### Wallwashing

Atrium double-focus wallwashers enable uniform illumination of high walls. The ideal spacing to the wall ( $a$ ) is a fifth of the room height ( $h$ ).

Arrangement:  $a = 1/5 \times h$

Application area: positioned close to the wall, these luminaires are ideal for atriums and foyers with room heights above 6m, but work just as well in rooms with lower ceilings.



For wallwashing with good and uniform horizontal illuminance, the spacing ( $d$ ) of double-focus wallwashers may be up to 1.3 times the offset from the wall ( $a$ ).

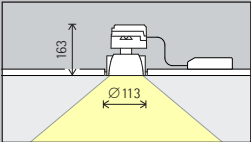
Arrangement:  $d \leq a \times 1.3$

Music Theatre,  
Linz. Architecture:  
Terry Pawson,  
London. Lighting  
design: Kress &  
Adams Atelier  
für Tages- und  
Kunstlichtplanung,  
Cologne. Photo-  
graphy: Gustavo  
Allidi Bernasconi.

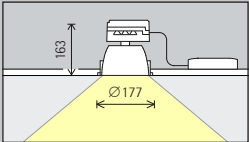


Atrium double focus Recessed luminaires

Construction size



Size 3



Size 5

LED module  
Maximum value  
at 4000K CRI 82

|             |
|-------------|
| 6.1W/786lm  |
| 9.3W/1107lm |

|              |
|--------------|
| 18.2W/2358lm |
| 28W/3320lm   |

Light colour

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

| Downlights | Lens wallwashers |
|------------|------------------|
| Flood      | Wallwash         |
| Wide flood |                  |

| Downlights | Lens wallwashers |
|------------|------------------|
| Flood      | Wallwash         |
| Wide flood |                  |

Control

|  |                |  |                   |
|--|----------------|--|-------------------|
|  | Switchable     |  | DALI              |
|  | Phase dimmable |  | Casambi Bluetooth |

|  |                |  |                   |
|--|----------------|--|-------------------|
|  | Switchable     |  | DALI              |
|  | Phase dimmable |  | Casambi Bluetooth |

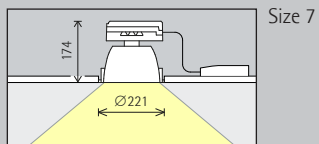
Colour  
(anti-glare cone)

|  |             |  |                  |
|--|-------------|--|------------------|
|  | Silver matt |  | 10,000 colours * |
|  | Black       |  |                  |

|  |             |  |                  |
|--|-------------|--|------------------|
|  | Silver matt |  | 10,000 colours * |
|  | Black       |  |                  |

Accessories

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



Size 7

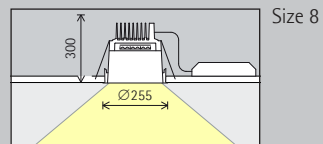
|              |
|--------------|
| 24.3W/3144lm |
| 38.3W/4427lm |

|  |              |  |              |
|--|--------------|--|--------------|
|  | 2700K CRI 92 |  | 3500K CRI 92 |
|  | 3000K CRI 92 |  | 4000K CRI 82 |
|  | 3000K CRI 97 |  | 4000K CRI 92 |

| Downlights | Lens wallwashers |
|------------|------------------|
| Flood      | Wallwash         |
| Wide flood |                  |

|                |                   |
|----------------|-------------------|
| Switchable     | DALI              |
| Phase dimmable | Casambi Bluetooth |

|             |                  |
|-------------|------------------|
| Silver matt | 10,000 colours * |
| Black       |                  |



Size 8

|              |
|--------------|
| 48.5W/6288lm |
| 74.6W/8854lm |

|  |              |  |              |
|--|--------------|--|--------------|
|  | 2700K CRI 92 |  | 3500K CRI 92 |
|  | 3000K CRI 92 |  | 4000K CRI 82 |
|  | 3000K CRI 97 |  | 4000K CRI 92 |

| Downlights |
|------------|
| Flood      |
| Wide flood |

|            |      |
|------------|------|
| Switchable | DALI |
|------------|------|

|             |                  |
|-------------|------------------|
| Silver matt | 10,000 colours * |
| Black       |                  |

\* available on request

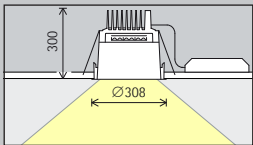
Article numbers and planning data:  
[www.erco.com/014930](http://www.erco.com/014930)

Design and application:  
[www.erco.com/atrium-df](http://www.erco.com/atrium-df)



Atrium double focus Recessed luminaires

Construction size









Size 10



LED module  
Maximum value  
at 4000K CRI 82

|                |
|----------------|
| 72.8W/9432lm   |
| 111.9W/12452lm |



Light colour

|   |              |   |              |
|---|--------------|---|--------------|
|  | 2700K CRI 92 |  | 3500K CRI 92 |
|  | 3000K CRI 92 |  | 4000K CRI 82 |
|  | 3000K CRI 97 |  | 4000K CRI 92 |




Light  
distribution

|   |            |
|---|------------|
| Downlights  |            |
|  | Flood      |
|  | Wide flood |







Control

|   |            |
|---|------------|
|  | Switchable |
|  | DALI       |

Colour  
(anti-glare cone)

|   |                  |
|---|------------------|
|  | Silver matt      |
|  | Black            |
|  | 10,000 colours * |

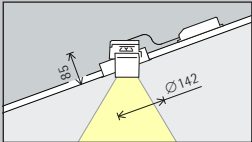
Accessories

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



Atrium double focus Recessed luminaires

Construction size



Size 4

LED module  
Maximum value  
at 4000K CRI 82

6.1W/786lm

9.3W/1107lm

Light colour

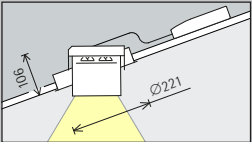
|  |              |  |              |
|--|--------------|--|--------------|
|  | 2700K CRI 92 |  | 3500K CRI 92 |
|  | 3000K CRI 92 |  | 4000K CRI 82 |
|  | 3000K CRI 97 |  | 4000K CRI 92 |

Light  
distribution

|            |            |
|------------|------------|
| Downlights |            |
|            | Flood      |
|            | Wide flood |

Control

|  |                |  |                   |
|--|----------------|--|-------------------|
|  | Switchable     |  | DALI              |
|  | Phase dimmable |  | Casambi Bluetooth |



Size 7

24.3W/3144lm

37.3W/4427lm

|  |              |  |              |
|--|--------------|--|--------------|
|  | 2700K CRI 92 |  | 3500K CRI 92 |
|  | 3000K CRI 92 |  | 4000K CRI 82 |
|  | 3000K CRI 97 |  | 4000K CRI 92 |

|            |            |
|------------|------------|
| Downlights |            |
|            | Flood      |
|            | Wide flood |

|  |                |  |                   |
|--|----------------|--|-------------------|
|  | Switchable     |  | DALI              |
|  | Phase dimmable |  | Casambi Bluetooth |

\* available on request

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Design and application:  
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Ferry Porsche Congress Centre, Zell am See. Architecture: Perler und Scheurer Architekten BDA, Freiburg, and architect Jens Giesecke, Hanover. Photography: Gavriil Papadiotis, London

Hamburg State  
Opera, Ham-  
burg. Lighting  
design: ITGT  
Ingenieurteam  
Elektrotechnik  
GmbH & Co. KG,  
Kiel Interior. Pho-  
tography: Frieder  
Blickle.





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design: Shang-  
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graphy: StudioSZ  
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