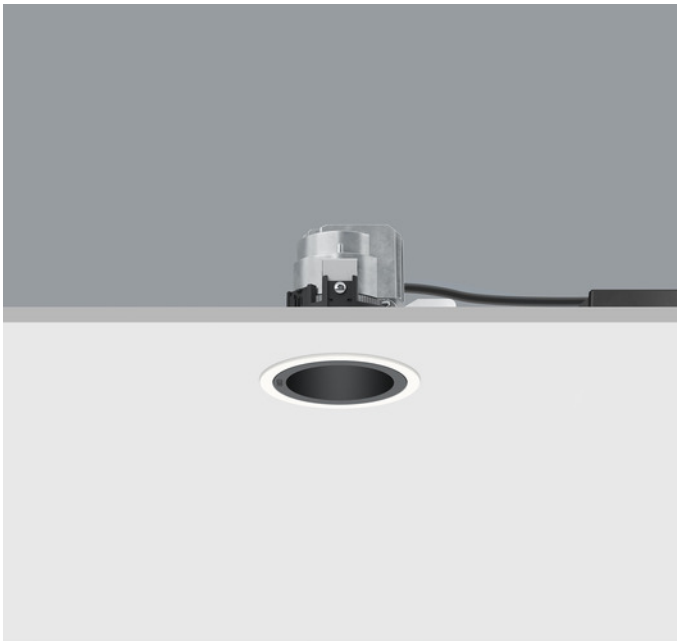
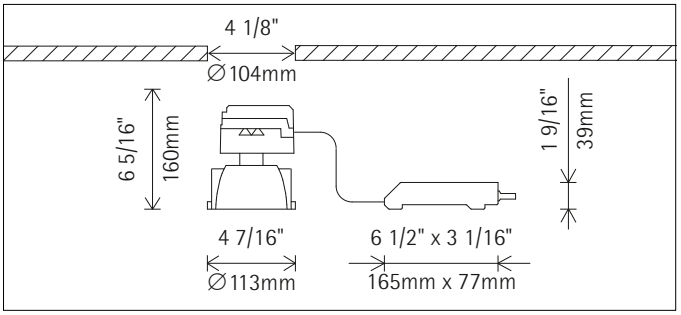
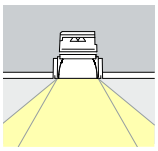
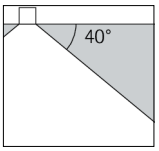
# Atrium double focus downlight

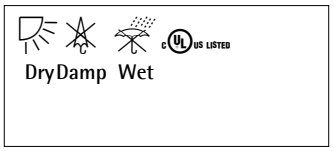
**with black anti-glare cone**





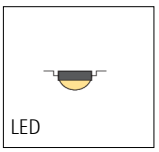



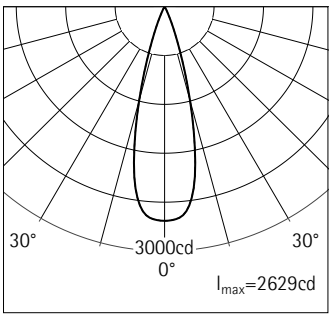









**45114.023** White (RAL9002)
LED module: 6.1W 777lm 3000K warm white
0-10V dimmable
Version 3
Construction size 3
Covered mounting detail
Flush mounting is possible with accessory
Spherolit lens, flood

**Product description**
Housing: cast aluminum, designed as heat sink, with connection cable L 19 11/16" / 500mm. Fixing ring: polymer, black.
Mounting ring: polymer, white (RAL9002). Expanding spring fixing for ceiling thicknesses of 1/16"-1" / 1-25mm.
5 terminals.
Control gear 120V, 60Hz, dimmable.
LED module: high-power LEDs.
Collimating lens made of optical polymer.
Anti-glare cone: polymer, coated black (RAL9005), matt.
Cut-off angle 40° from horizontal.
Type Non IC luminaire.
Insulation materials must be kept away from the luminaire by a minimum of 3".
Thermally protected luminaire.
Dimming with external dimmers possible (0-10V).
The luminaire is protected on the room side against splashing water.
Weight 1.76lbs / 0.80kg

Beam angle
$C_0$ 28°

UGR glare evaluation
$C_0$ <10

**Technical data**

| | |
|---|---|
| Luminous flux of the luminaire | 615lm |
| Connected load | 10.0W |
| Luminaire efficacy | 62lm/W |
| Color deviation | 1.5 SDCM |
| Color rendition index | CRI 92 |
| Lumen maintenance | L90/B10 >50000h<br>L90 >100000h |
| LED failure rate | 0.1% >50000h |
| TLA (Temporal Light Artefacts) | -- |
| LMF | D |

For your regional contact in the ERCO Sales network click here
www.erco.com/contact

Technical region: 120V/60Hz
We reserve the right to make technical and design changes.
Edition: 28.04.2026
Current version under
www.erco.com/45114.023

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# Atrium double focus downlight

## Planning data

| 45114.023 | LED module: 6.1W 777lm 3000K warm white | | | |
|---|---|---|---|---|
| Number of luminaires per 1000ft² for | 10fc | 20fc | 30fc | 50fc |
| | 16 | 31 | 47 | 78 |

| 45114.023 | LED module: 6.1W 777lm 3000K warm white | | | |
|---|---|---|---|---|
| Module (ft) | 4x6 | 6x6 | 6x8 | 8x8 |
| Illuminance (fc) for module (ft) | 299 | 199 | 150 | 112 |

**Melanopic light effect**

| Art. no. | Spectrum | MR | MDER |
|---|---|---|---|
| 45114.023 (direct) | 3000K CRI 92 | 0.53 | 0.48 |

MR Melanopic factor (of luminous radiation) a_mel,v
MDER Melanopic Daylight Efficacy Ratio [gamma]_mel,v,D65

Multiplying the illuminance with the melanopic daylight efficacy ratio MDER gives the melanopic equivalent daylight illuminance MEDI. (MEDI Melanopic Equivalent Daylight Illuminance [lx] E_v,mel,D65 [lx]).

| Cleaning (a) | 1 | | | | 2 | | | | 3 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ambient conditions | P | C | N | D | P | C | N | D | P | C | N | D |
| LMF | 0.94 | 0.88 | 0.82 | 0.77 | 0.91 | 0.83 | 0.77 | 0.71 | 0.89 | 0.79 | 0.73 | 0.65 |

| Hours of operation (h) | 1000 | 5000 | 10000 | 20000 | 30000 | 40000 | 50000 |
|---|---|---|---|---|---|---|---|
| LLMF | 1.00 | 0.99 | 0.98 | 0.96 | 0.94 | 0.92 | 0.90 |
| LSF | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

MF LMFxRSMFxLLMFxLSF
MF Maintenance Factor
LMF Luminaire Maintenance Factor
RSMF Room Surface Maintenance Factor
LLMF Lamp Lumens Maintenance Factor
LSF Lamp Survival Factor
P Room pure
C Room clean
N Room normal
D Room dirty

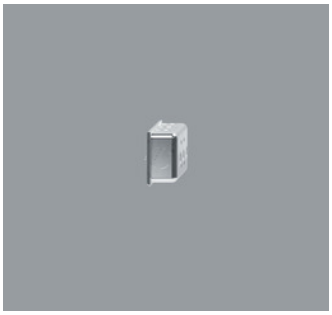
**Technical data based on international standards and directives**

| | |
|---|---|
| IEC 60598 | Luminaires – Parts 1 + 2: General requirements, particular requirements and tests |
| IEC 62031 | LED modules for general lighting – Safety specifications |
| IEC 62471 | Photobiological safety of lamps and lamp systems |
| UL 1598 | Luminaires |
| UL 1574 | Standard for Track Lighting Systems |
| UL 8750 | Standard for Light Emitting Diode (LED) Equipment for Use in Lighting Products |
| IES LM-79-08 | Electrical and Photometric Measurements of Solid-State Lighting Products |
| IES LM-80-08 | Measuring Lumen Maintenance of LED Light Sources |
| CIE 13 | Method of measuring and specifying color rendering properties of light sources |

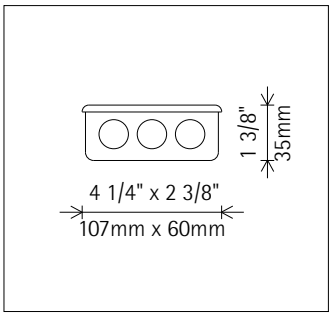
All technical data are subject to industry standard tolerances.
See also www.erco.com/erco-led
For explanations of the symbols and abbreviations used and other general information, see www.erco.com/symbols

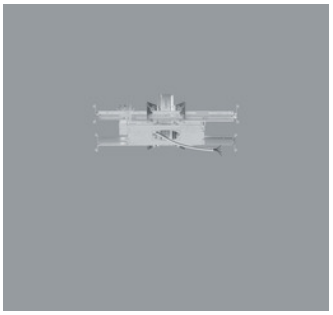
# Atrium double focus downlight

## Accessories

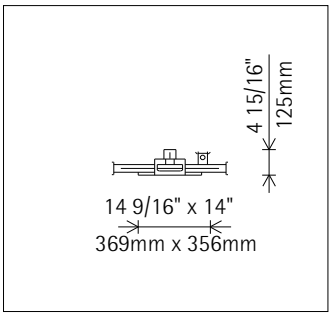


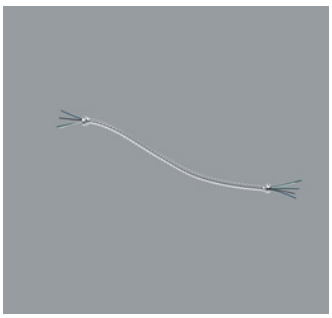
**88557.023**
Junction box
Housing: metal, galvanized.
The dimensions will allow fitting through ceiling aperture.
Flexible metal conduit to be ordered separately.



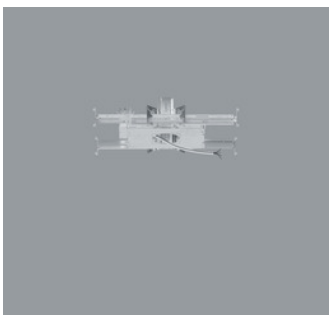



**82970.023**
Plaster frame
For flush mounting of luminaires with ceiling aperture ø108mm or 108x108mm.
Plate and integral junction box: metal, galvanized.
2 butterfly brackets and 2 hanger bars.
Hanger bars L 15"–24", height adjustable.
Flexible metal conduit L 19 11/16" / 500mm with straight snap in connectors (for 7/8" knockout) and 18AWG conductors.
Only to be used with mounting ring or mounting frame for flush mounting.
82935.000

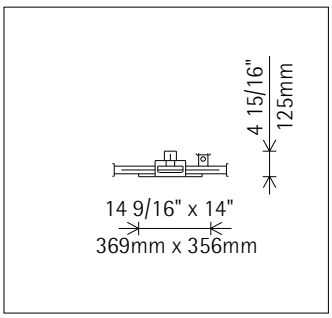


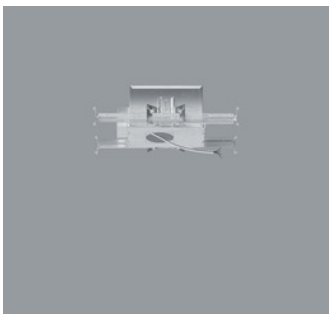



**88559.023**
Flexible metal conduit
L 19 11/16" / 500mm with straight snap in connectors (for 7/8" knockout) and 18AWG conductors.

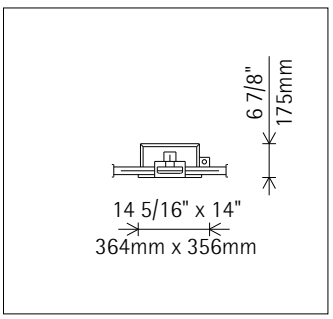


**82969.023**
Plaster frame
For covered mounting of luminaires with ceiling aperture ø104mm or 104x104mm.
Plate and integral junction box: metal, galvanized.
2 butterfly brackets and 2 hanger bars.
Hanger bars L 15"–24", height adjustable.
Flexible metal conduit L 19 11/16" / 500mm with straight snap in connectors (for 7/8" knockout) and 18AWG conductors.



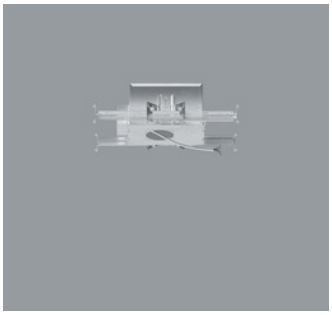
**82957.023**
Ultra airtight I.C. box
For covered mounting of luminaires with ceiling aperture ø 104mm or 104x104mm.
Housing and integral junction box: metal, galvanized.
2 butterfly brackets und 2 hanger bars.
Hanger bars L 15"–24", height adjustable.
Flexible metal conduit L 19 11/16" / 500mm with straight snap in connectors (for 7/8" knockout) and 18AWG conductors.
Weight 6.64lbs / 3.01kg



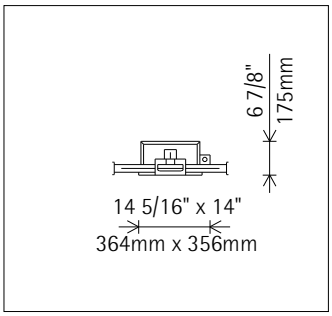
ERCO

# Atrium double focus downlight

## Accessories

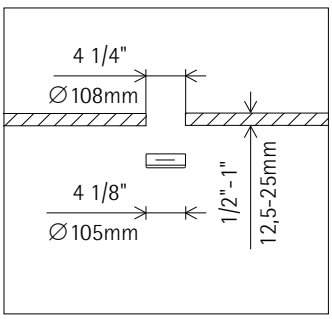


**82958.023**
Ultra airtight I.C. box
For flush mounting of luminaires with ceiling aperture ø 108mm or 108x108mm.
Housing and integral junction box: metal, galvanized.
2 butterfly brackets und 2 hanger bars.
Hanger bars L 15"–24", height adjustable.
Flexible metal conduit L 19 11/16" / 500mm with straight snap in connectors (for 7/8" knockout) and 18AWG conductors.
Only to be used with mounting ring or mounting frame for flush mounting.
82935.000






**82935.000**
Mounting ring
For flush mounting of recessed luminaires size 3.
Polymer, white (RAL9002). Fixing for ceiling thicknesses of 12.5-25mm.
The recess depth of the luminaire increases by 2mm.
Weight 0.18lbs / 0.08kg






**83980.000**
Cover ring
Metal,white. For covering the gap where ceiling cut-outs are too big.
Inner and outer diameter to be specified when placing order.
Weight 0.88lbs / 0.40kg