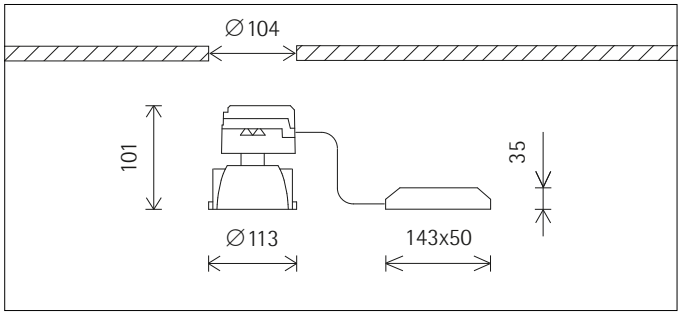
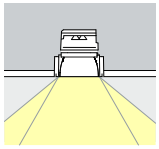
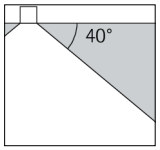
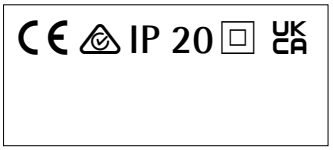
Atrium double focus downlight

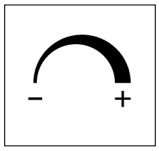
with silver anti-glare cone

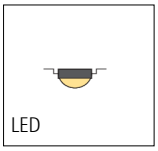


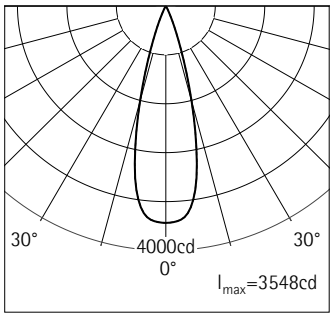












40221.000 White (RAL9002)
LED module: 9.3W 1087lm 3000K warm white
Phase dimmable
Version 3
Construction size 3
Covered mounting detail
Flush mounting is possible with accessory
Spherolit lens, flood

Product description
Housing: cast aluminium, black powder-coated, designed as heat sink, with connection cable L 500mm. Fixing ring: polymer, black.
Mounting ring: Polymer, white (RAL9002). Expanding spring fixing for ceiling thicknesses of 1-25mm.
2-pole terminal block.
Includes ERCO control gear, dimmable.
LED module: high-power LEDs.
Collimating lens made of optical polymer.
Anti-glare cone: polymer, coated matt silver.
Cut-off angle 40°.
Dimming with external dimmers possible (trailing edge).
The luminaire is protected on the room side against splashing water.
Approved for use as emergency lighting according to IEC / EN 60598-2-22.
Safety class II
Weight 0.56kg
Through-wiring possible on request.

Beam angle
C_0 28°

UGR glare evaluation
C_0 <10

Technical data

Luminous flux of the luminaire	830lm
Connected load	13.0W
Luminaire efficacy	64lm/W
Colour deviation	1.5 SDCM
Colour rendition index	CRI 92
Lumen maintenance	L90/B10 >50000h L90 >100000h
LED failure rate	0.1% >50000h
Dimming range	1%-100%
Dimming method	CCR_PWM
TLA (Temporal Light Artefacts)	SVM ≤ 0.4; PstLM ≤ 1
LMF	D
Standby power per control gear	--
Luminaires per circuit breaker B16	216

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

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Technical Region: 220-240V 50/60Hz
We reserve the right to make technical and design changes.
Edition: 28.04.2026
Current version under
www.erco.com/40221.000

Atrium double focus downlight

Planning data

40221.000	LED module: 9.3W 1087lm 3000K warm white	
Connected load	P:	13.0 W
Connected load per 100lx	P*:	1.4 W/m²
Number of luminaires per 100lx	n*:	11.5 1/100m²

40221.000	LED module: 9.3W 1087lm 3000K warm white			
Number of luminaires per 100m² for	100lx	200lx	300lx	500lx
	12	23	35	58

40221.000	LED module: 9.3W 1087lm 3000K warm white			
Module (m)	1.2x1.8	1.8x1.8	1.8x2.4	2.4x2.4
Illuminance E_n (lx) for module (m)	404	269	202	151

Melanopic light effect

Art. no.	Spectrum	MR	MDER
40221.000 (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]).

Extract from the Environmental Product Declaration (EPD)
The entire EPD can be found at: www.erco.com/40221.000

Extrapolation coefficients to convert the reference data from the EPD document for the declared unit

Lighting output	Manufacturing	Distribution	Installation	Use	EoL	Benefits and loads
692	0.852	0.485	0.503	0.394	0.476	0.852

Frequently used EPD data that have already been converted for this article number.

Parameter	Unit	A1-A3	A4	A5	B6	C1	C2	C3	C4	D	Total, excl. D
Results per functional unit											
GWP	kg CO2-eq.	5.71E00	1.41E-01	3.16E-01	1.99E02	0.00E00	3.85E-03	3.41E-01	3.60E-03	-3.91E-01	2.06E02
GWP-biogenic	kg CO2-eq.	-5.16E-01	0.00E00	3.05E-01	0.00E00	0.00E00	0.00E00	0.00E00	0.00E00	0.00E00	-2.11E-01
Results per declared unit											
GWP	kg CO2-eq.	8.45E00	2.09E-01	4.68E-01	2.95E02	0.00E00	5.71E-03	5.05E-01	5.33E-03	-5.81E-01	3.05E02
GWP-biogenic	kg CO2-eq.	-7.66E-01	0.00E00	4.52E-01	0.00E00	0.00E00	0.00E00	0.00E00	0.00E00	0.00E00	-3.14E-01

A1-A3 Manufacturing
A4 Distribution
A5 Installation
B6 Use
C1-C4 End of Life
D Benefits and loads

The data for operating the light (Use B6) refer to the European power source mix.
You will find the ERCO EPD Help under Downloads/General planning data.

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

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Atrium double focus downlight

Planning data

Data according to regulations
2019/2020/EU supplemented by 2021/341/EU and 2019/2015/EU supplemented by 2021/340/EU Energy Consumption Labelling Ordinance

This product contains a light source of efficiency class D
Due to thermal and photometric properties as well as to protect electronic components from ESD (electrostatic discharge) the light source cannot be changed by the customer.

ID EPREL: 1708733
Model identifier: 3000068214
Download data sheets for control gear and disassembly instructions at www.erco.com/slr

Technical data in accordance with international norms and standards

IEC 60598	Luminaires – Part 1+2: general requirements, specific requirements and tests
IEC 62031	LED modules for general lighting – safety requirements
IEC 62471	Photobiological safety of lamps and lamp systems
EN13032-4	Light and lighting – measurement and representation of photometric data
CIE 13	Method of measuring and specifying colour rendering properties of light sources

All technical data is subject to industry-standard tolerances.
Also see www.erco.com/erco-led

For explanations of the symbols and abbreviations used and other general information, see www.erco.com/symbols

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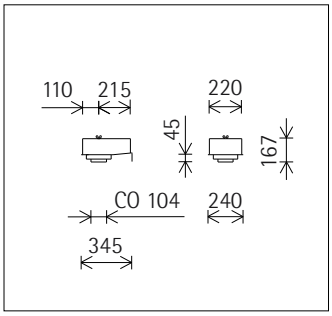
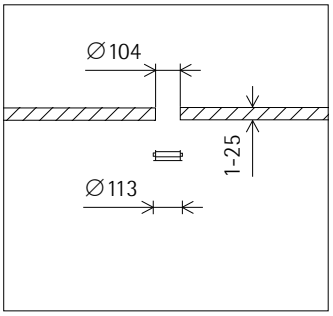
Atrium double focus downlight

Accessories

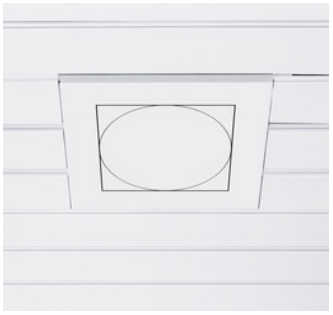
83736.000
Concrete housing
Steel, galvanised.
Recommended 0-8mm aggregate for the concrete.
Weight 2.65kg

82941.000
Mounting ring
For covered mounting of recessed luminaires size 3.
Polymer, black (RAL9011). Fixing springs for ceiling thicknesses of 1-25mm.
Weight 0.07kg

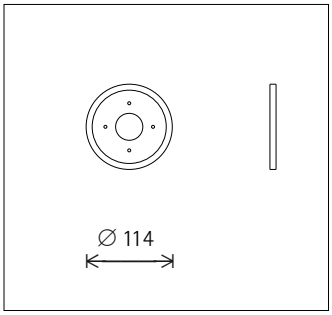




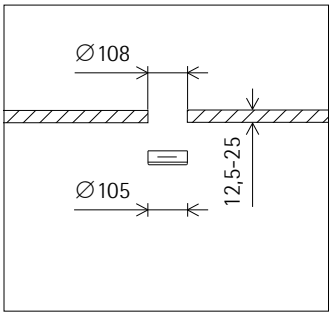
83577.000
Spacer plate
for flush-mounting of downlights in concrete housings in exposed concrete ceilings. Aluminium.
Weight 0.04kg



82950.000
Mounting plate for panelled ceilings
Metal, white (RAL9002) powder-coated.
Individual design of mounting plates according to ceiling type and luminaire.
Quote ceiling type and dimensions.
Weight 0.80kg



88290.000
Compensation set
for oversize ceiling cut-out.
Lock ring: Sheet steel, galvanised.
Mounting for ceiling thickness of min. 10mm.
Cover ring: Metal, white.
when ordering, please state the diameter of the existing ceiling cutout and the diameter of the luminaire.
Weight 0.40kg

82935.000
Mounting ring
For flush mounting of recessed luminaires size 3.
Polymer, white (RAL9002). Mounting for ceiling thicknesses of 12.5-25mm.
The recess depth of the luminaire increases by 2mm.
Weight 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 0.40kg