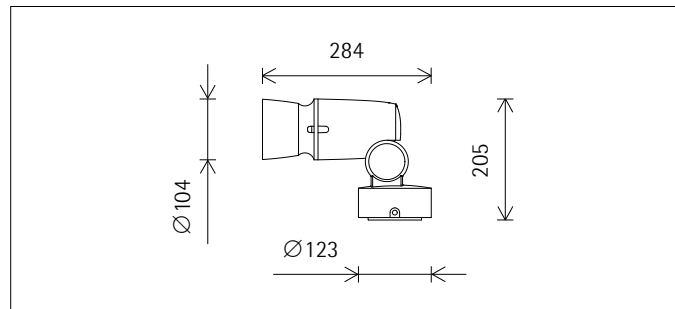
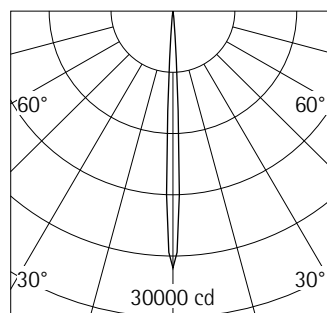


A4000967 Graphit m
LED module: 3.1W 369lm 4000K neutral white
Switchable
Version 3
Size S
Darklight lens narrow spot

Product description

Housing and swivel joint: corrosion-resistant polymer, coated. Optimised surface for reduced accumulation of dirt. Hinge with internal wiring, 90° tilt. Dial: corrosion-resistant aluminium. Mounting plate: polymer, coated. Rotatable through 330°. 2 cable entries. Through-wiring possible. 3-pole terminal block. ERCO control gear. LED module: high-power LEDs. Narrow spot collimating lens made of optical polymer. Luminaire head with non-reflective protective glass, corrosion-resistant cast aluminium, no-rinse surface treatment. Double powder-coated.

Internal lens unit: polymer, black, rotatable through 360°. Darklight lens made of optical polymer. Optical cut-off 60°. Photobiological safety: RG2 min 1.4m. Protection mode IP65: dust-proof and water jet-proof. Protection Class II. Maximum wind load area 0.032m². Weight 2.15kg. Version with 3000K CRI 97 or 2700K, 3500K, 4000K CRI 92 available on request.



h(m)	E(lx)	D(m)
		5°
2	6293	0.17
4	1573	0.35
6	699	0.52
8	393	0.70
10	252	0.87

Technical data

Luminous flux of the luminaire	299lm
Connected load	5.7W
Luminaire efficacy	52lm/W
Colour deviation	1.5 SDCM
Colour rendition index	CRI 82
Lumen maintenance (LED manufacturer specifications)	L90/B10 ≤50000h L90 ≤100000h
LED failure rate	0.1% ≤50000h
Dimming range	--
Dimming method	--
TLA (Temporal Light Artefacts)	SVM ≤ 0.4; PstLM ≤ 1
LMF	E
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

Technical Region: 220-240V 50/60Hz
We reserve the right to make technical
and design changes.
Edition: 14.06.2024
Current version under
www.erco.com/A4000967

Planning data

Melanopic light effect

Art. no.	Spectrum	MR	MDER
A4000967 (direct)	4000K CRI 82	0.71	0.65

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.ercos.com/A4000967

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

Lighting output	Manufacturing	Distribution	Installation	Use	End of Life	benefits and loads
299	1.009	0.679	0.935	0.663	0.591	1.009

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 CO ₂ -eq.	5.30E01	1.52E00	3.39E00	4.64E02	0.00E00	4.12E-02	4.69E00	3.97E-02	-1.44E01	5.27E02
GWP-biogenic	kg CO ₂ -eq.	-3.50E00	0.00E00	3.24E00	0.00E00	0.00E00	0.00E00	0.00E00	0.00E00	0.00E00	-2.60E-01
Results per declared unit											
GWP	kg CO ₂ -eq.	3.07E01	8.76E-01	1.96E00	2.68E02	0.00E00	2.37E-02	2.71E00	2.29E-02	-8.29E00	3.04E02
GWP-biogenic	kg CO ₂ -eq.	-2.02E00	0.00E00	1.87E00	0.00E00	0.00E00	0.00E00	0.00E00	0.00E00	0.00E00	-1.50E-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	0.96	0.94	0.90	0.86	0.93	0.91	0.86	0.81	0.92	0.90	0.84	0.79

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

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 E
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: 1766006
Model identifier: 3000069009
Download data sheets for control gear and disassembly instructions at www.ercos.com/slr

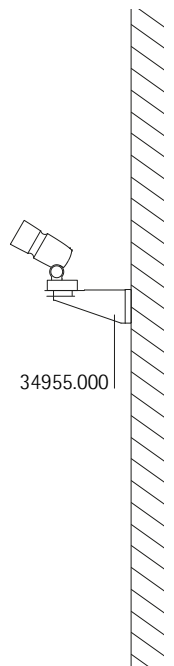
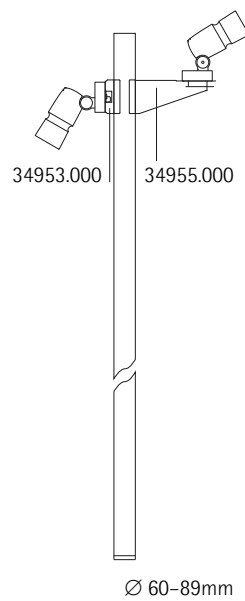
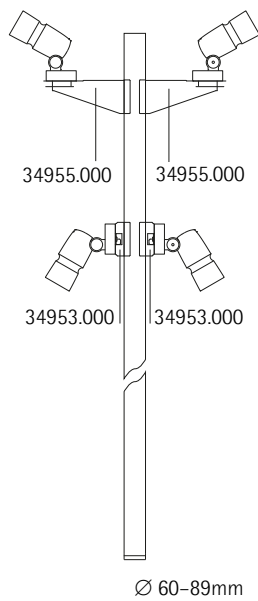
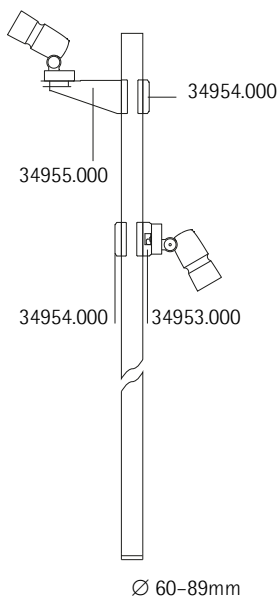
Planning data

Technical data in accordance with international norms and standards

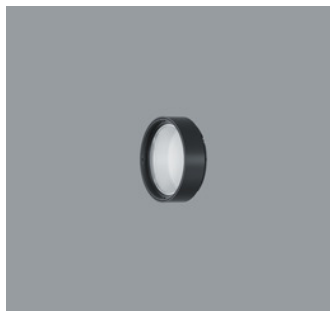
IEC 60598	Luminaires – Part 1+2: general requirements, specific requirements and tests
IEC 62031	LED modules for general lighting – safety requirements
IEC 62471	Photobiological safety of lamps and lamp systems
EN 13032-4	Light and lighting – measurement and representation of photometric data
CIE 13	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

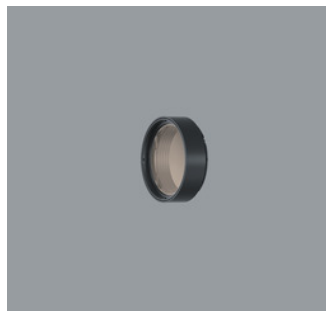
For explanations of the symbols and abbreviations used and other general information, see www.erco.com/symbols



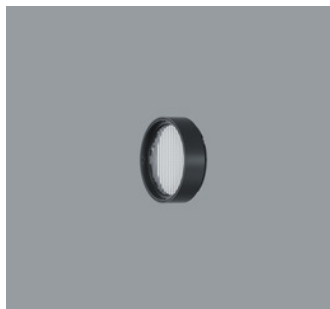
Accessories

**AC006002**

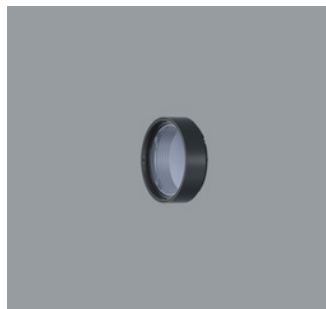
Softening lens
Filter holder: polymer, black, rotatable
through 360°. Replacement without
tools.
Weight 0.03kg

**AC006006**

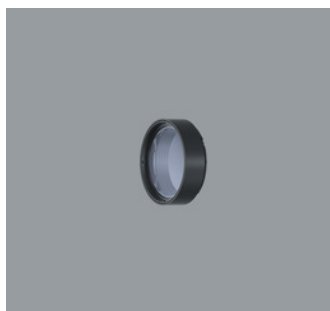
Skintone Filter
Filter holder: polymer, black, rotatable
through 360°. Replacement without
tools.
Weight 0.03kg

**AC006025**

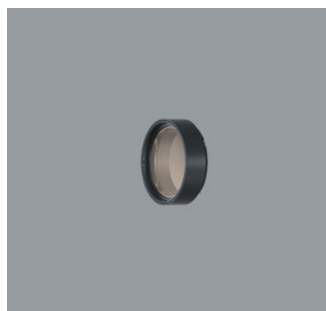
Sculpture lens
Filter holder: polymer, black, rotatable
through 360°. Replacement without
tools.
Weight 0.03kg

**AC006013**

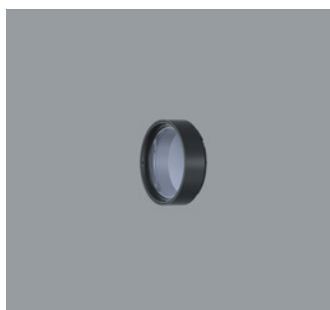
Fish Filter
Filter holder: polymer, black, rotatable
through 360°. Replacement without
tools.
Weight 0.03kg

**AC006009**

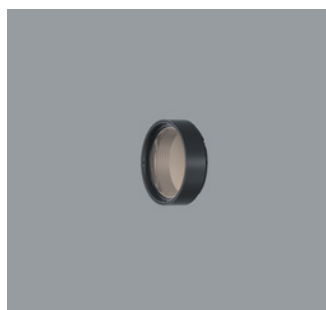
Cold Filter
Filter holder: polymer, black, rotatable
through 360°. Replacement without
tools.
Weight 0.03kg

**AC006010**

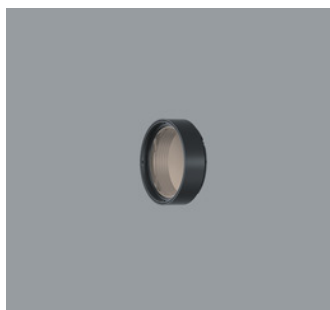
Marbled Meat Filter
Filter holder: polymer, black, rotatable
through 360°. Replacement without
tools.
Weight 0.03kg

**AC006007**

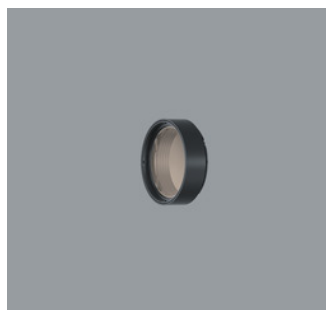
Cold Filter Plus
Filter holder: polymer, black, rotatable
through 360°. Replacement without
tools.
Weight 0.03kg

**AC006008**

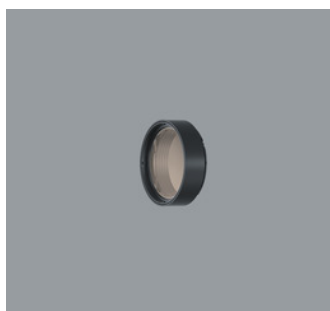
Bread and Pastry Filter
Filter holder: polymer, black, rotatable
through 360°. Replacement without
tools.
Weight 0.03kg

**AC006005**

Warm Filter
Filter holder: polymer, black, rotatable
through 360°. Replacement without
tools.
Weight 0.03kg

**AC006004**

Blue Light Filter
Filter holder: polymer, black, rotatable
through 360°. Replacement without
tools.
Weight 0.03kg

**AC006003**

Warm Filter Plus
Filter holder: polymer, black, rotatable
through 360°. Replacement without
tools.
Weight 0.03kg

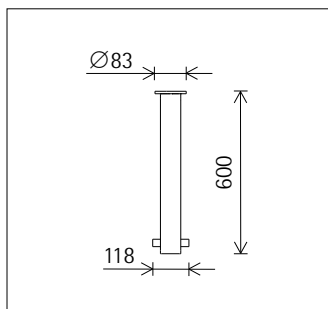
**34974.000**

Distribution box, IP68
With four cable entries, 7-25mm.
Polymer.
ø 102mm, L 305mm.
Weight 0.47kg
CE IP 68 3m

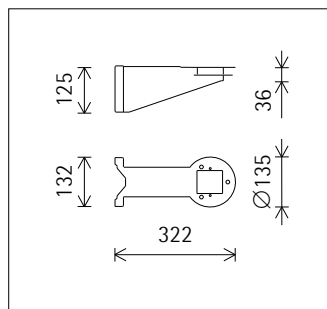
Accessories



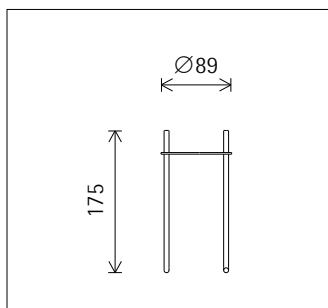
33975.000
Ground socket
Metal, hot-dip galvanised.
Weight 2.10kg



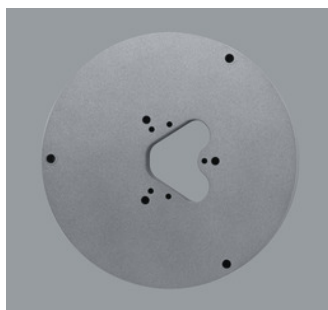
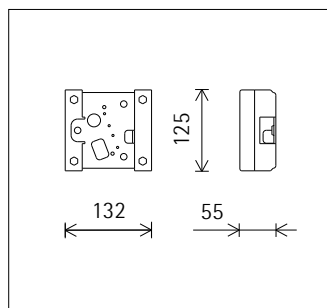
34955.000
Cantilever arm
for standing luminaire installation on
upright supporting pole $\varnothing$ 60–89mm or
wall.
Housing: stainless steel. Graphit m,
powder-coated.
Clamping plate or second cantilever
arm for fixing on upright supporting
pole to be ordered separately.
Upright supporting pole $\varnothing$ 60–89mm to
be ordered separately.
Weight 2.20kg



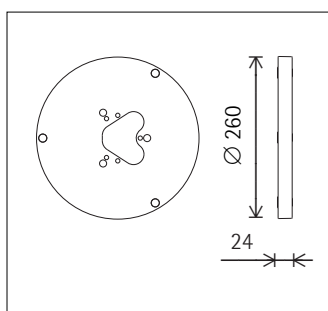
33979.000
Concrete anchor
Mounting plate with threaded bar and
fixing nuts M6. Individual parts to be
assembled on-site.
Weight 0.25kg



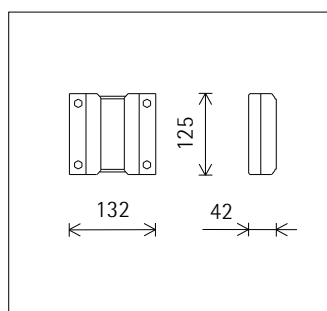
34953.000
Attachment
for upright supporting pole $\varnothing$
60–89mm.
Housing: stainless steel. Graphit m,
powder-coated.
Clamping plate or second attachment
for fixing to be ordered separately.
Upright supporting pole $\varnothing$ 60–89mm to
be ordered separately.
Weight 1.00kg



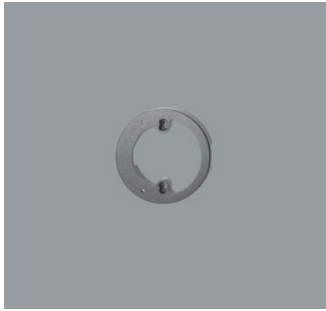
33982.000
Mounting plate
Corrosion-resistant cast aluminium,
No-Rinse surface treatment. Graphit m,
double powder-coated.
Weight 1.70kg



34954.000
Clamping plate
for fixing cantilever arm or attachment
on upright supporting pole $\varnothing$
60–89mm.
Housing: stainless steel. Graphit m,
powder-coated.
Cantilever arm or attachment to be
ordered separately.
Weight 0.80kg
Only in conjunction with
34953.000
34955.000



Accessories

**34990.000**

Spacer

for surface-mounted cables.

Corrosion-resistant cast aluminium,
No-Rinse surface treatment. Graphit m,
double powder-coated.

Weight 0.16kg

