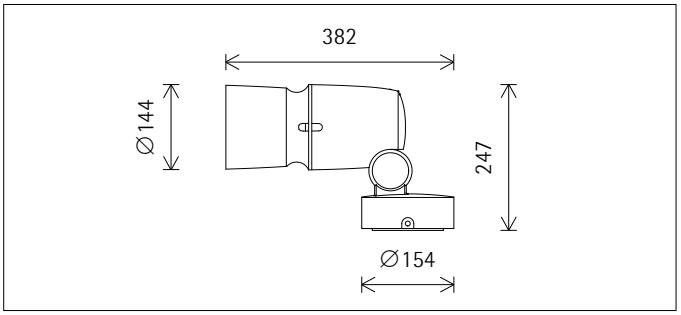
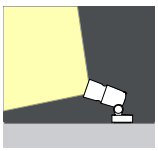
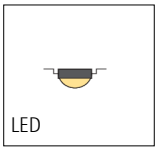
Beamer Lens wallwasher

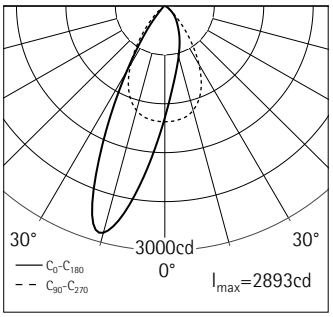




IK 07
IP 65

DALI





A4000910 Graphit m
LED module: 21.7W 2537lm 3000K warm white
DALI-2
Version 3
Construction size M
Spherolit lens, wallwash

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. 5-pole terminal block.
DALI control gear.
LED module: high-power LEDs. 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°.
Spherolit lens made of optical polymer.
Protection mode IP65: dust-proof and water jet-proof.
Safety class II
Maximum wind load area 0.053m²
Weight 3.85kg
Version with 3000K CRI 97 or 2700K, 3500K CRI 92 available on request.

Technical data

Luminous flux of the luminaire	1581lm
Connected load	26.6W
Luminaire efficacy	59lm/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
TLA (Temporal Light Artefacts)	SVM ≤ 0.4; PstLM ≤ 1
LMF	E
Standby power per control gear	0.5W
Luminaires per circuit breaker B16	50

Mean illuminance E_n (wall)
Angle of tilt 35°

Wall height (m)	5			
Offset from wall (m)	1.50	1.50	1.75	1.75
Luminaire spacing (m)	2.00	2.25	2.25	2.50
Illuminance E_n (lx)	**126**	**115**	**102**	**93**

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Beamer Lens wallwasher

Planning data

Melanopic light effect

Art. no.	Spectrum	MR	MDER
A4000910 (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/A4000910

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
1317	1.000	0.991	1.000	1.494	0.988	1.000

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.	1.08E01	4.53E-01	7.41E-01	2.14E02	0.00E00	1.41E-02	1.60E00	1.36E-02	-2.91E00	2.28E02
GWP-biogenic	kg CO2-eq.	-7.09E-01	0.00E00	7.09E-01	0.00E00	0.00E00	0.00E00	0.00E00	0.00E00	0.00E00	0.00E00
Results per declared unit											
GWP	kg CO2-eq.	3.04E01	1.28E00	2.10E00	6.04E02	0.00E00	3.96E-02	4.53E00	3.82E-02	-8.22E00	6.42E02
GWP-biogenic	kg CO2-eq.	-2.00E00	0.00E00	2.00E00	0.00E00	0.00E00	0.00E00	0.00E00	0.00E00	0.00E00	0.00E00

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 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

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: 1784424
Model identifier: 3000068206
Download data sheets for control gear and disassembly instructions at www.erco.com/slr

Beamer Lens wallwasher

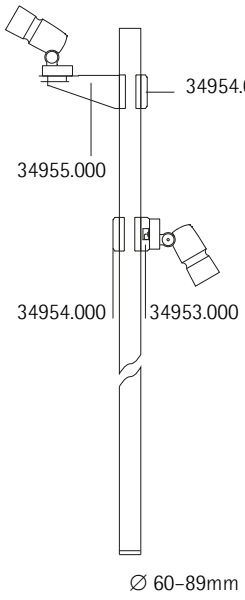
Planning data

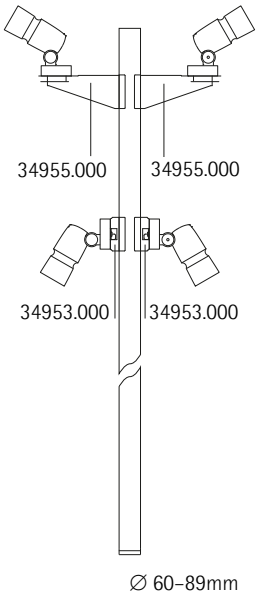
Technical data in accordance with international norms and standards

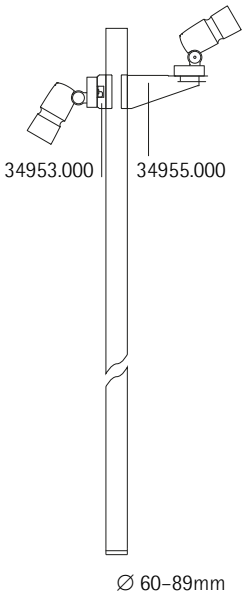
IEC 60598	Luminaires – Part 1+2: general requirements, specific requirements and tests
IEC 62031	LED modules for general lighting – safety requirements
IEC 62471	Photobiological safety of lamps and lamp systems
EN13032-4	Light and lighting – measurement and representation of photometric data
CIE 13	Method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

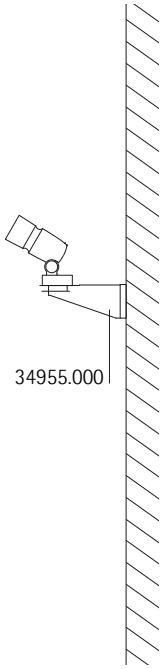
All technical data is subject to industry-standard tolerances.
Also see www.erco.com/erco-led

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









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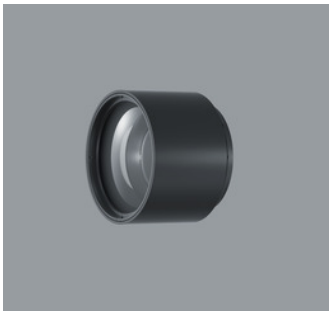
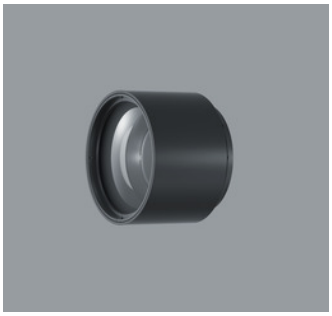
Beamer Lens wallwasher

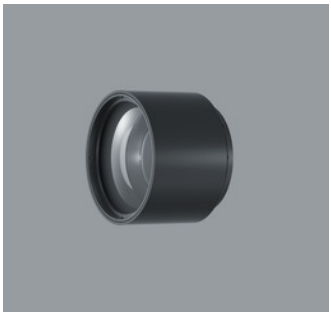
Accessories



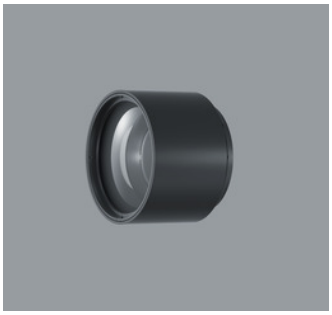
AC002016
Lens unit spot
Polymer, black lacquered, rotatable through 360°. Replacement without tools.
Darklight lens made of optical polymer.
Optical cut-off 50°.
Weight 0.07kg
CE



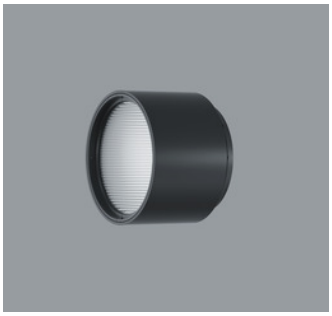
AC002014
Lens unit flood
Polymer, black lacquered, rotatable through 360°. Replacement without tools.
Darklight lens made of optical polymer.
Optical cut-off 40°.
Weight 0.07kg
CE



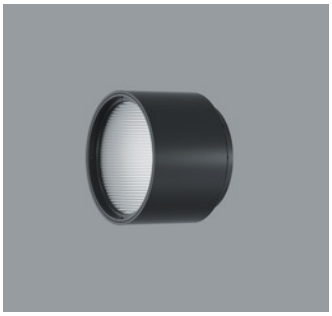
AC002011
Lens unit wide flood
Polymer, black lacquered, rotatable through 360°. Replacement without tools.
Darklight lens made of optical polymer.
Optical cut-off 40°.
Weight 0.07kg
CE



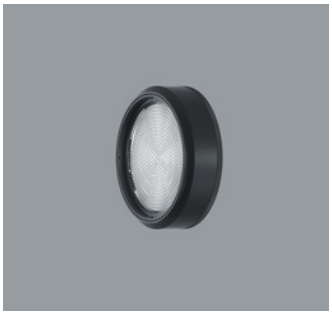
AC002015
Lens unit extra wide flood
Polymer, black lacquered, rotatable through 360°. Replacement without tools.
Darklight lens made of optical polymer.
Weight 0.07kg
CE



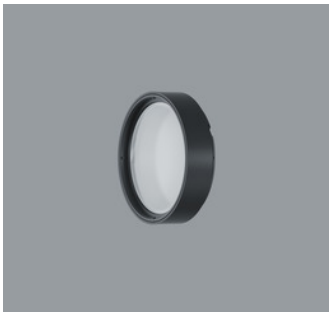
AC002013
Lens unit oval flood
Polymer, black lacquered, rotatable through 360°. Replacement without tools.
Anti-reflective Spherolit lens made of optical polymer.
Weight 0.07kg
CE



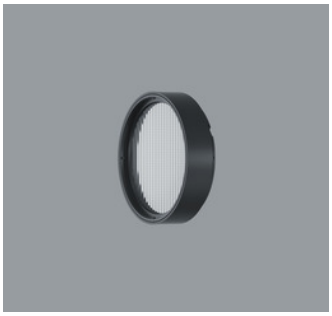
AC002017
Lens unit wallwash
Polymer, black lacquered, rotatable through 360°. Replacement without tools.
Anti-reflective Spherolit lens made of optical polymer.
Weight 0.07kg
CE



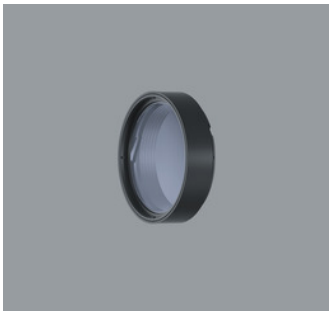
AC002119
Lens unit zoom spot
Polymer, black lacquered, rotatable through 360°. Replacement without tools.
Anti-reflective zoom lens made of optical polymer, infinitely variable focus.
Weight 0.09kg
CE



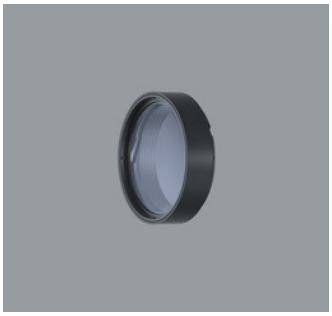
AC006001
Softening lens
Filter holder: polymer, black, rotatable through 360°. Replacement without tools.
Weight 0.07kg



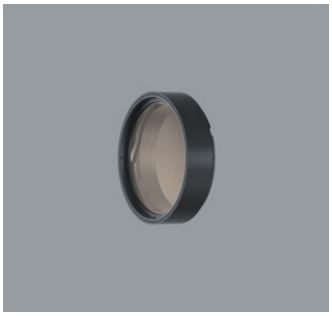
AC006026
Sculpture lens
Filter holder: polymer, black, rotatable through 360°. Replacement without tools.
Weight 0.07kg



AC006032
Cold Filter
Filter holder: polymer, black, rotatable through 360°. Replacement without tools.
Weight 0.07kg



AC006030
Cold Filter Plus
Filter holder: polymer, black, rotatable through 360°. Replacement without tools.
Weight 0.07kg



AC006028
Warm Filter
Filter holder: polymer, black, rotatable through 360°. Replacement without tools.
Weight 0.07kg

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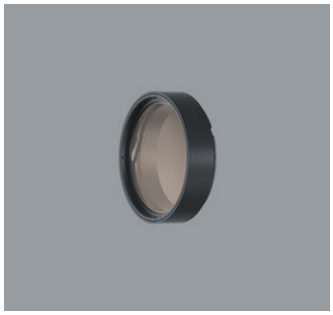
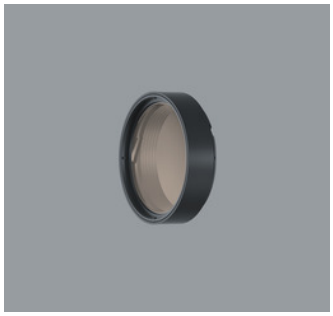
Beamer Lens wallwasher

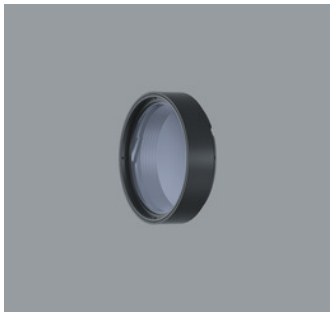
Accessories



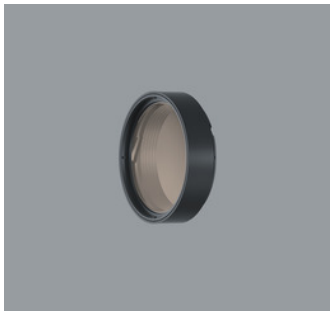
AC006012
Warm Filter Plus
Filter holder: polymer, black, rotatable through 360°. Replacement without tools.
Weight 0.07kg



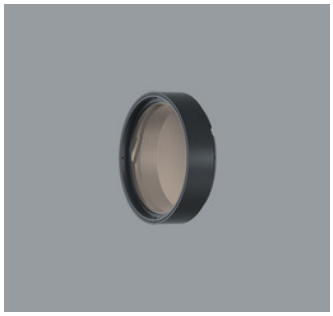
AC006029
Skintone Filter
Filter holder: polymer, black, rotatable through 360°. Replacement without tools.
Weight 0.07kg



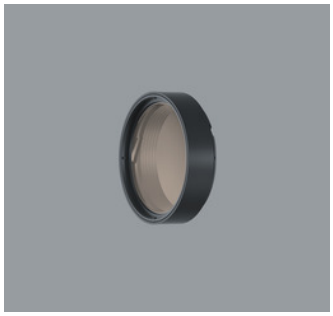
AC006011
Fish Filter
Filter holder: polymer, black, rotatable through 360°. Replacement without tools.
Weight 0.07kg



AC006033
Marbled Meat Filter
Filter holder: polymer, black, rotatable through 360°. Replacement without tools.
Weight 0.07kg

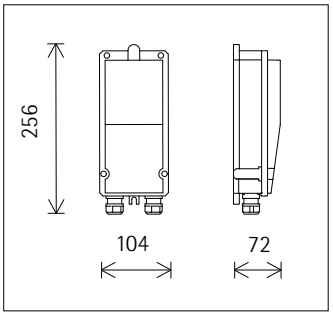


AC006031
Bread and Pastry Filter
Filter holder: polymer, black, rotatable through 360°. Replacement without tools.
Weight 0.07kg



AC006023
Blue Light Filter
Filter holder: polymer, black, rotatable through 360°. Replacement without tools.
Weight 0.07kg

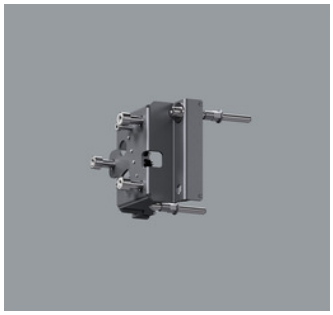
56010.000
Casambi DALI Gateway
Enables the control of DALI luminaires via Casambi Bluetooth.
Input voltage: 220-240V; 50/60Hz.
Max. number of controllable luminaires: 25 (depending on the number of control gear units per luminaire. The data sheet of the luminaire specifies this information.)
When assembled in the housing supplied, the gateway is protected against ingress of dust and strong jets of water (IP65).
Setup of the gateway via Casambi app (Android/iOS) with Bluetooth Low Energy (BLE)-capable mobile devices.
Operation only in Casambi Evolution networks.
Outgoing DALI control lines must be designed for mains voltage.
The gateway provides 4 DALI group addresses, enabling 4 monochrome luminaire groups to be dimmed. The luminaires are assigned to a DALI group address in the Casambi app.
With tunable white luminaires, up to 3 luminaire groups can be dimmed differently. The luminaires are assigned to a DALI group address in the Casambi app. The colour temperature is set simultaneously for all connected luminaires via a broadcast command. No special settings or assignments are necessary to adjust the colour temperature.
RGBW luminaires are automatically recognised by the gateway and controlled simultaneously via broadcast command; no special settings or assignments are necessary.
Weight 0.47kg
IP 65



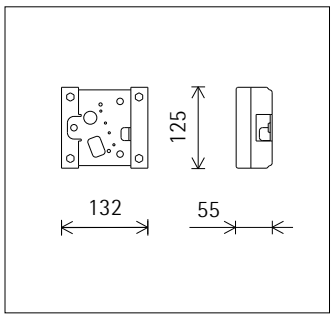
34974.000
Distribution box, IP68
with four cable entries, 7-25mm.
Polymer.
ø 102mm, L 305mm.
Weight 0.45kg
IP 68 3m

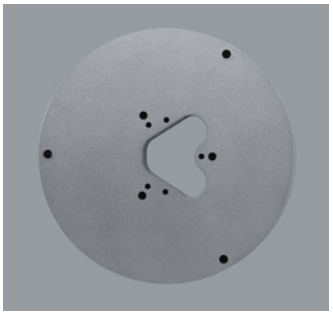
Beamer Lens wallwasher

Accessories

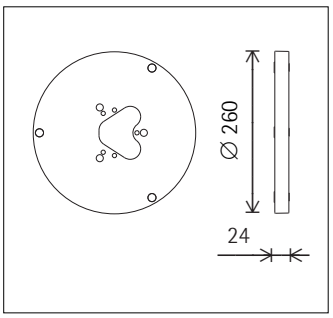


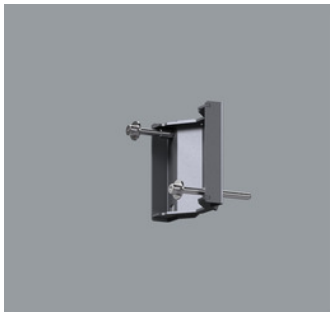
34953.000
Attachment
for upright supporting pole ø 60-89mm.
Housing: stainless steel. Graphit m, powder-coated.
Clamping plate or second attachment for fixing to be ordered separately.
Upright supporting pole ø 60-89mm to be ordered separately.
Weight 0.75kg



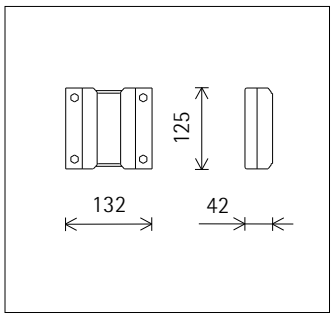


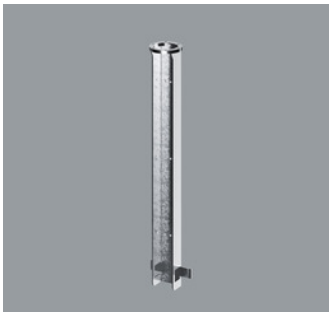
33982.000
Mounting plate
Corrosion-resistant cast aluminium, No-Rinse surface treatment. Graphit m, double powder-coated.
Weight 1.67kg



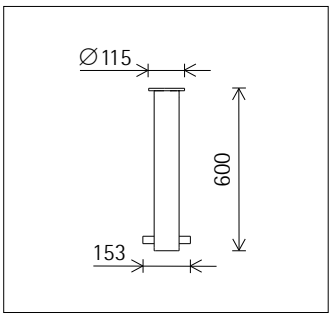


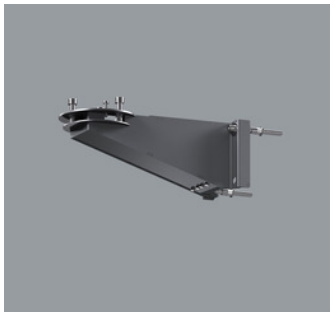
34954.000
Clamping plate
for fixing cantilever arm or attachment on upright supporting pole ø 60–89mm.
Housing: stainless steel. Graphit m, powder-coated.
Cantilever arm or attachment to be ordered separately.
Weight 0.61kg
34953.000
34955.000



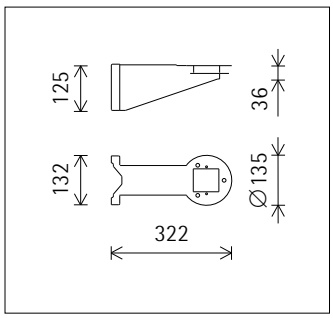


33974.000
Ground socket
Metal, hot-dip galvanised.
Weight 2.55kg

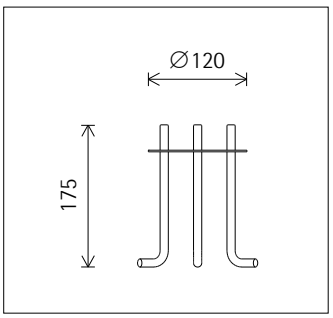




34955.000
Cantilever arm
for standing luminaire installation on upright supporting pole ø 60–89mm or wall.
Housing: stainless steel. Graphit m, powder-coated.
Clamping plate or second cantilever arm for fixing on upright supporting pole to be ordered separately.
Upright supporting pole ø 60-89mm to be ordered separately.
Weight 2.00kg

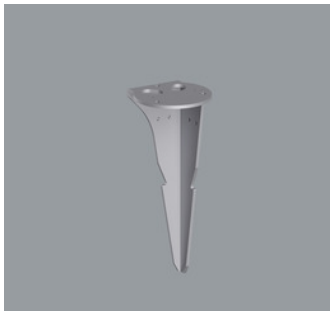


33981.000
Concrete anchor
Mounting plate with threaded bar and fixing nuts M10. Individual parts to be assembled on-site.
Individual parts to be assembled on-site.
Weight 0.54kg

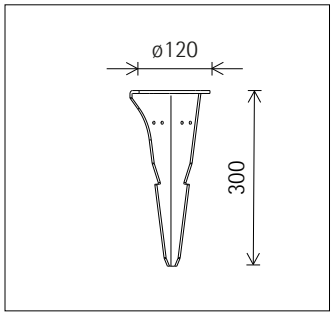


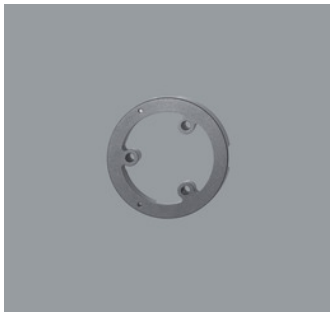
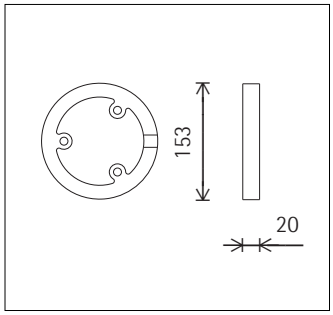
Beamer Lens wallwasher

Accessories



39599.000
Ground spike
Metal, hot-dip galvanised.
Weight 1.34kg





34991.000
Spacer
for surface-mounted cables.
Corrosion-resistant cast aluminium,
No-Rinse surface treatment. Graphit m,
double powder-coated.
Weight 0.40kg