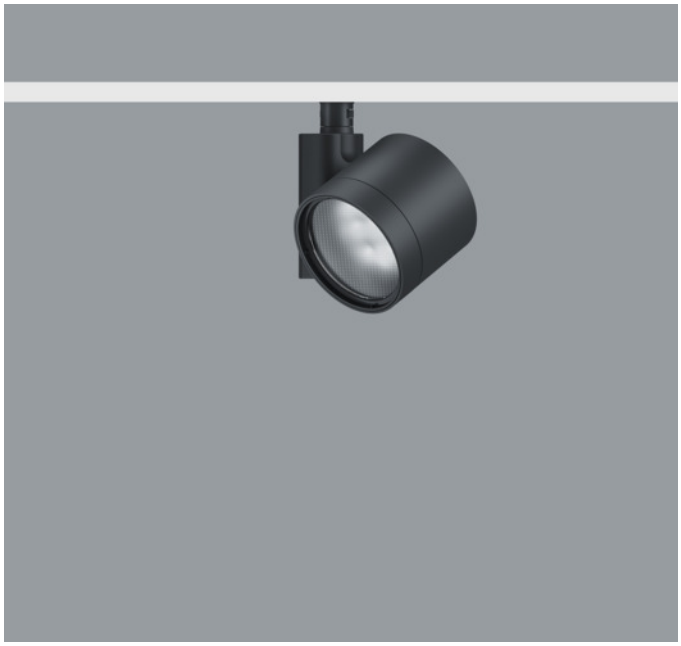
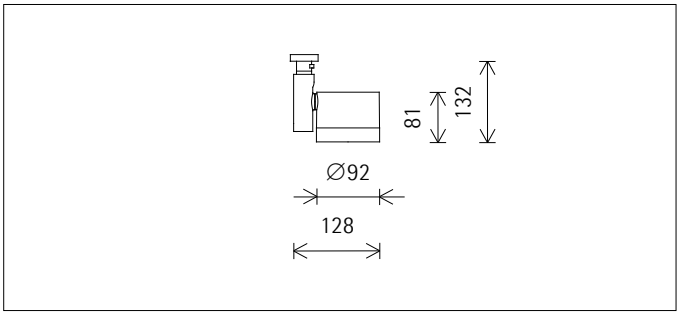
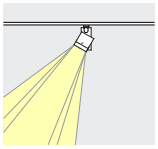
ERCO Optec 48V Spotlight

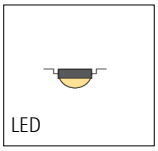






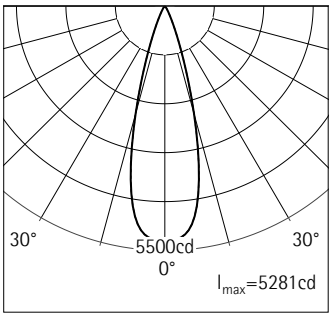
IP 20

video compatible



A9002238 Black (RAL9011)
LED module: 19.5W 1916lm 3000K warm white
On-board Dim
Version 1
Construction size M
Spherolit lens, flood

Product description
Cylindrical light head: cast aluminium, powder-coated. 270° tilt.
Housing: polymer, rotatable on adapter through 360°.
Minirail adapter for ERCO Minirail 48V track: polymer, black.
ERCO control gear. Rotary control for brightness regulation.
LED module: high-power LEDs.
Collimating lens made of optical polymer.
Lens unit: polymer, black. Spherolit lens made of optical polymer.
Install the luminaire out of people's normal reach.
Photobiological safety: RG2 min 0.3m.
Safety class III
Weight 0.57kg



h(m)	E(lx)	D(m)
		28.5°
1.0	5281	0.51
2.0	1320	1.01
3.0	587	1.52
4.0	330	2.03
5.0	211	2.54

Technical data

Luminous flux of the luminaire	1389lm
Connected load	20.8W
Luminaire efficacy	67lm/W
Colour deviation	1.5 SDCM
Colour rendition index	CRI 97
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 ≤ 0.1; PstLM ≤ 1
LMF	E
Standby power per control gear	--
Luminaires per circuit breaker B16	--

Mounting
Minirail 48V track
Minirail 48V singlet

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: 28.04.2026
Current version under
www.erco.com/A9002238

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Optec 48V Spotlight

Planning data

Melanopic light effect

Art. no.	Spectrum	MR	MDER
A9002238 (direct)	3000K CRI 97	0.57	0.52

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/A9002238

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
1312	2.592	1.363	1	1.825	1.66	2.592

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.	9.96E00	8.21E-02	1.64E-01	1.68E02	0.00E00	2.36E-03	2.01E-01	2.23E-03	-1.70E-01	1.78E02
GWP-biogenic	kg CO2-eq.	-4.09E-01	0.00E00	1.58E-01	0.00E00	0.00E00	0.00E00	0.00E00	0.00E00	0.00E00	-2.51E-01
Results per declared unit											
GWP	kg CO2-eq.	2.80E01	2.32E-01	4.62E-01	4.73E02	0.00E00	6.62E-03	5.64E-01	6.26E-03	-4.80E-01	5.02E02
GWP-biogenic	kg CO2-eq.	-1.15E00	0.00E00	4.43E-01	0.00E00	0.00E00	0.00E00	0.00E00	0.00E00	0.00E00	-7.07E-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 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 F
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: 1565703
Model identifier: 3000067677
Download data sheets for control gear and disassembly instructions at www.erco.com/slr

Optec 48V Spotlight

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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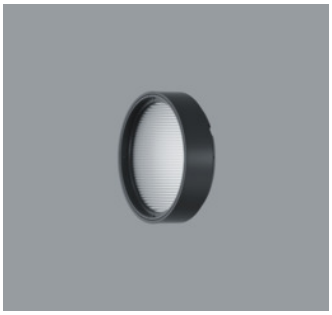
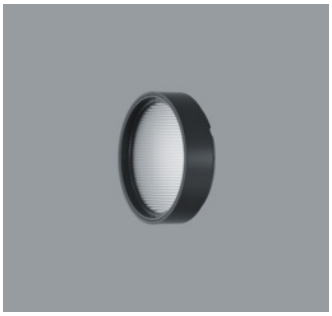
Optec 48V Spotlight

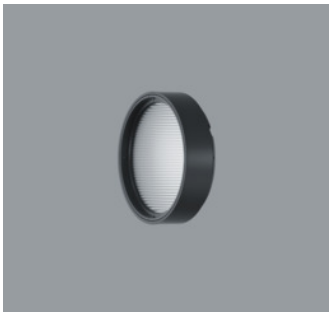
Accessories



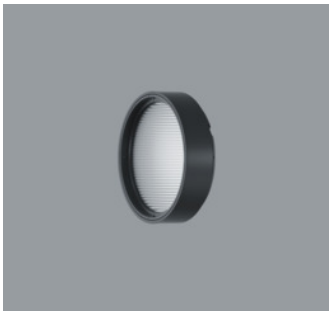
AC002074
Lens unit spot
Polymer, black lacquered, rotatable through 360°. Replacement without tools.
Spherolit lens made of optical polymer.
Weight 0.07kg
CE



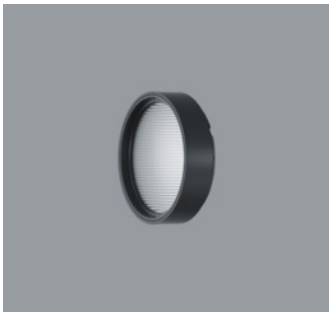
AC002072
Lens unit flood
Polymer, black lacquered, rotatable through 360°. Replacement without tools.
Spherolit lens made of optical polymer.
Weight 0.07kg
CE



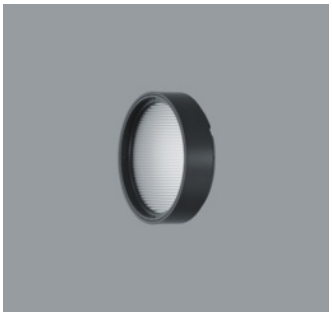
AC002071
Lens unit wide flood
Polymer, black lacquered, rotatable through 360°. Replacement without tools.
Spherolit lens made of optical polymer.
Weight 0.07kg
CE



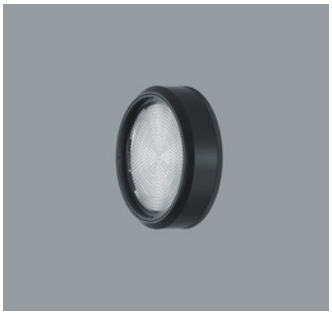
AC002075
Lens unit extra wide flood
Polymer, black lacquered, rotatable through 360°. Replacement without tools.
Spherolit lens made of optical polymer.
Weight 0.07kg
CE



AC002073
Lens unit oval flood
Polymer, black lacquered, rotatable through 360°. Replacement without tools.
Spherolit lens made of optical polymer.
Weight 0.07kg
CE



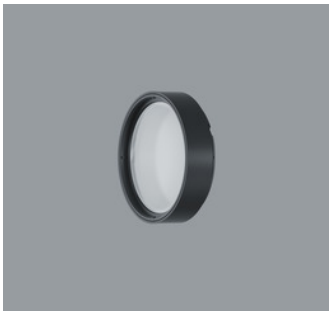
AC002077
Lens unit wallwash
Polymer, black lacquered, rotatable through 360°. Replacement without tools.
Spherolit lens made of optical polymer.
Weight 0.07kg
CE



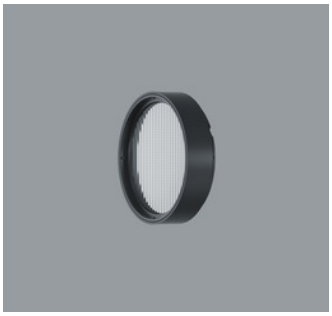
AC002119
Lens unit zoom spot
Polymer, black lacquered, rotatable through 360°. Replacement without tools.
Anti-reflective zoom lens made of optical polymer, infinitely variable focus.
Weight 0.09kg
CE

AC002262
Lens unit narrow framing
Aluminium/polymer, coated black, pivotable through 360°. Replacement without tools.
Projection lens, continuously focusable. Ideal for long projection distances.
Framing attachment: stainless steel, black.
Aperture.
Weight 0.55kg
CE

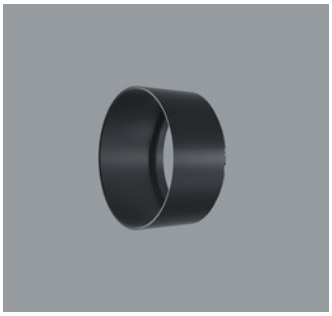
AC002265
Lens unit wide framing
Aluminium/polymer, coated black, pivotable through 360°. Replacement without tools.
2 projection lenses, continuously focusable. Ideal for short projection distances.
Framing attachment: stainless steel, black.
Aperture.
Weight 0.55kg
CE



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



AC001011
Snoot
Polymer, black.
Weight 0.04kg

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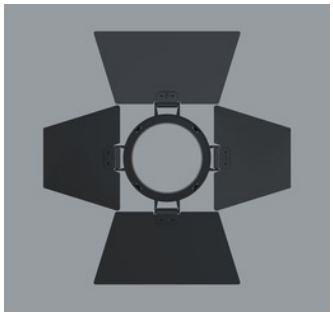
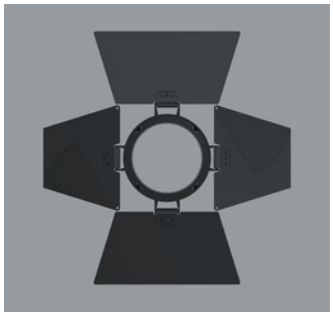
Optec 48V Spotlight

Accessories

AC004025
Honeycomb anti-glare screen
Black
Weight 0.06kg



AC005001
Barn doors 4-fold
Aluminium, coated black.
Weight 0.13kg



AC005003
Barn doors 8-fold
Aluminium, coated black.
Weight 0.16kg