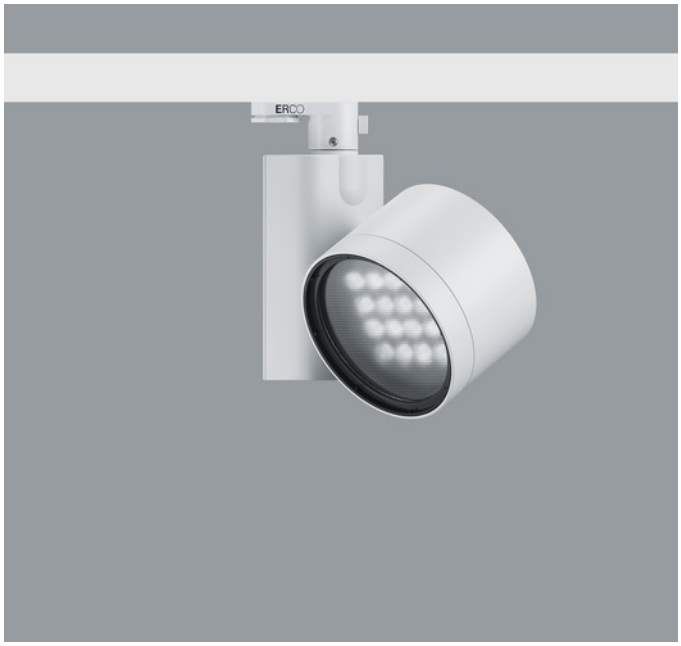
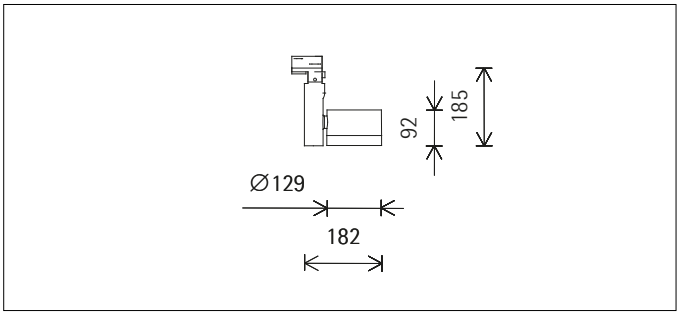
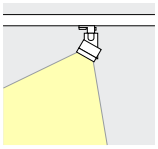
ERCO Optec New Floodlight

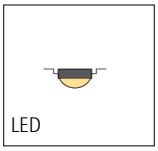






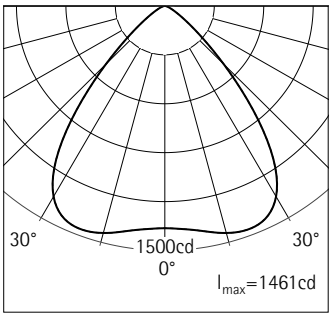
IP 20

video compatible



A9002294 White (RAL9002)
LED module: 34.6W 3406lm 3000K warm white
On-board Dim
Version 1
Construction size L
Spherolit lens, extra wide flood

Product description
Cylindrical light head: cast aluminium, powder-coated. 270° tilt.
Housing: polymer, rotatable on adapter through 360°.
3-phase adapter for ERCO 220-240V track: polymer, white.
ERCO control gear. Rotary control for brightness regulation.
LED module: high-power LEDs.
Collimating lens made of optical polymer.
Lens unit: polymer, white. Spherolit lens made of optical polymer.
Install the luminaire out of people's normal reach.
Safety class II
Weight 1.50kg



h(m)	E(lx)	D(m)
		82.4°
1.0	1363	1.75
2.0	341	3.50
3.0	151	5.25
4.0	85	7.00
5.0	55	8.75

Technical data

Luminous flux of the luminaire	2500lm
Connected load	38.0W
Luminaire efficacy	66lm/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	83

Mounting
ERCO 3-circuit track
Hi-trac 3-circuit track
1-circuit 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/A9002294

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Optec New Floodlight

Planning data

Melanopic light effect

Art. no.	Spectrum	MR	MDER
A9002294 (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/A9002294

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
3296	1	0.999	1.005	1.372	0.999	1

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
Results per functional unit											
GWP	kg CO2 eq	1.53E00	2.66E-02	4.89E-02	7.16E01	0.00E00	7.79E-04	6.63E-02	6.99E-04	-3.94E-02	7.33E01
GWP-biogenic	kg CO2 eq	-4.68E-02	0.00E00	4.70E-02	0.00E00	0.00E00	0.00E00	0.00E00	0.00E00	0.00E00	2.00E-04
Results per declared unit											
GWP	kg CO2 eq	1.46E01	2.56E-01	4.70E-01	6.86E02	0.00E00	7.49E-03	6.38E-01	6.72E-03	-3.79E-01	7.02E02
GWP-biogenic	kg CO2 eq	-4.50E-01	0.00E00	4.52E-01	0.00E00	0.00E00	0.00E00	0.00E00	0.00E00	0.00E00	2.00E-03

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: 985721
Model identifier: 3000060581
Download data sheets for control gear and disassembly instructions at www.erco.com/slr

Optec New Floodlight

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

Optec New Floodlight

Accessories

AC002145
Lens unit spot
Polymer, white, rotatable through 360°.
Replacement without tools.
Spherolit lens made of optical polymer.
Weight 0.10kg
CE

AC002133
Lens unit extra wide flood
Polymer, white, rotatable through 360°.
Replacement without tools.
Spherolit lens made of optical polymer.
Weight 0.10kg
CE

AC002176
Lens unit spot
Polymer, black, rotatable through 360°.
Replacement without tools.
Spherolit lens made of optical polymer.
Weight 0.10kg
CE

AC002164
Lens unit extra wide flood
Polymer, black, rotatable through 360°.
Replacement without tools.
Spherolit lens made of optical polymer.
Weight 0.10kg
CE

AC002138
Lens unit flood
Polymer, white, rotatable through 360°.
Replacement without tools.
Spherolit lens made of optical polymer.
Weight 0.10kg
CE

AC002134
Lens unit oval flood
Polymer, white, rotatable through 360°.
Replacement without tools.
Anti-reflective Spherolit lens made of optical polymer.
Weight 0.10kg
CE

AC002169
Lens unit flood
Polymer, black, rotatable through 360°.
Replacement without tools.
Spherolit lens made of optical polymer.
Weight 0.10kg
CE

AC002165
Lens unit oval flood
Polymer, black, rotatable through 360°.
Replacement without tools.
Anti-reflective Spherolit lens made of optical polymer.
Weight 0.10kg
CE

AC002136
Lens unit wide flood
Polymer, white, rotatable through 360°.
Replacement without tools.
Spherolit lens made of optical polymer.
Weight 0.10kg
CE

AC002135
Lens unit wallwash
Polymer, white, rotatable through 360°.
Replacement without tools.
Anti-reflective Spherolit lens made of optical polymer.
Weight 0.10kg
CE

AC002167
Lens unit wide flood
Polymer, black, rotatable through 360°.
Replacement without tools.
Spherolit lens made of optical polymer.
Weight 0.10kg
CE

AC002166
Lens unit wallwash
Polymer, black, rotatable through 360°.
Replacement without tools.
Anti-reflective Spherolit lens made of optical polymer.
Weight 0.10kg
CE

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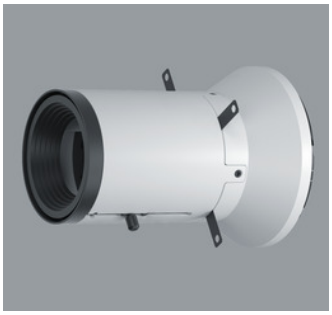
Optec New Floodlight

Accessories

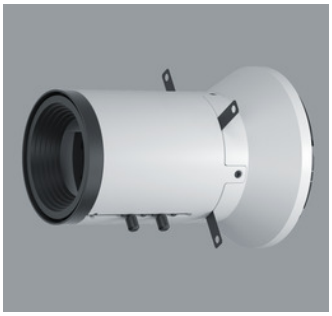
AC002148
Lens unit zoom spot
Polymer, white, rotatable through 360°. Replacement without tools.
Anti-reflective zoom lens made of optical polymer, infinitely variable focus.
Weight 0.24kg
CE

AC002179
Lens unit zoom spot
Polymer, black, rotatable through 360°. Replacement without tools.
Anti-reflective zoom lens made of optical polymer, infinitely variable focus.
Weight 0.24kg
CE

AC002255
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 0.64kg
CE

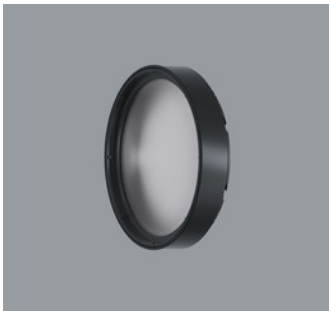


AC002256
Lens unit narrow framing
Aluminium/polymer, coated white, pivotable through 360°. Replacement without tools.
Projection lens, continuously focusable. Ideal for long projection distances.
Framing attachment: stainless steel, black.
Aperture.
Weight 0.64kg
CE

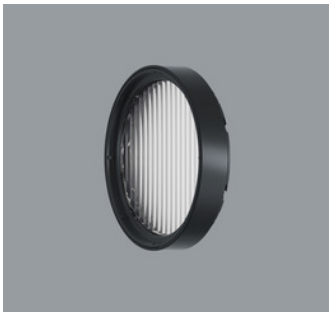


AC002259
Lens unit wide framing
Aluminium/polymer, coated white, pivotable through 360°. Replacement without tools.
2 projection lenses, continuously focusable. Ideal for short projection distances.
Framing attachment: stainless steel, black.
Aperture.
Weight 0.64kg
CE

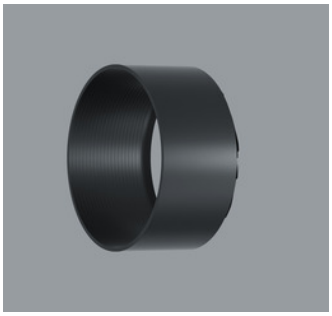
AC002264
Lens unit wide framing
Aluminium/polymer, coated black, pivotable through 360°. Replacement without tools.
2 projection lenses, continuously focusable. Ideal for short projection distances.
Framing attachment: stainless steel, black.
Aperture.
Weight 0.64kg
CE



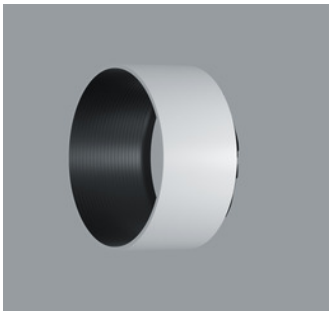
AC006035
Softening lens
Filter holder: polymer, black, rotatable through 360°. Replacement without tools.
Weight 0.10kg



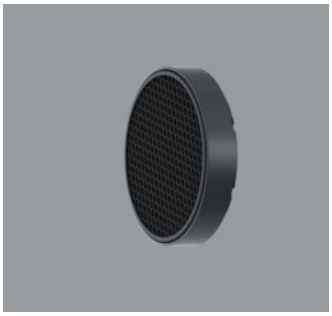
AC006043
Sculpture lens
Filter holder: polymer, black, rotatable through 360°. Replacement without tools.
Weight 0.10kg



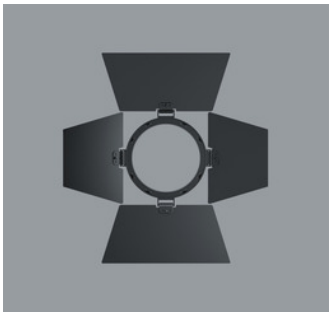
AC001014
Snoot
Polymer, black.
Weight 0.14kg



AC001016
Snoot
Polymer, black, coated white on outside.
Weight 0.14kg



AC004026
Honeycomb anti-glare screen
Aluminium, powder-coated black, polymer outer.
Weight 0.07kg



AC005005
Barn doors 4-fold
Aluminium, coated black.
Weight 0.19kg

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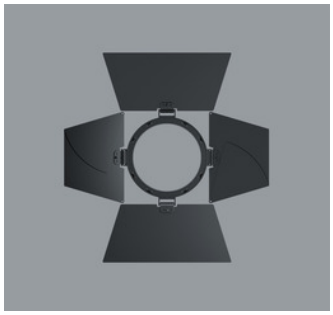
Optec New Floodlight

Accessories



AC005007
Barn doors 8-fold
Aluminium, coated black.
Weight 0.24kg