

**A1002187** Black  
 LED module: 5.7W 698lm 3500K neutral white  
 Casambi Bluetooth  
 Version 1  
 Size S  
 Spherolit lens, wallwash

**Product description**  
 Housing: cast aluminium, powder-coated; can be swivelled through 90° on the bracket. Upper cover made of polymer.  
 Bracket: cast aluminium/polymer, coated; can be rotated through 360° on the adapter.  
 Minirail adapter for ERCO Minirail 48V track: polymer, black.  
 ERCO control gear.  
 Add-on control unit: Casambi Bluetooth.  
 LED module: high-power LEDs. Collimating lens made of optical polymer.  
 Lens unit: polymer, black. Spherolit lens made of optical polymer.  
 Control via Casambi app (Android/iOS) with Bluetooth Low Energy (BLE)-capable mobile devices or "Casambi Ready" products.  
 Protection Class III  
 Weight 0.28kg

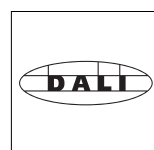
**Mean illuminance E<sub>n</sub> (wall)**

Angle of tilt 35°

Wall height (m)	3			
Offset from wall (m)	0.75	0.75	1.00	1.00
Luminaire spacing (m)	0.75	1.00	1.25	1.50
Illuminance E <sub>n</sub> (lx)	<b>214</b>	<b>162</b>	<b>112</b>	<b>93</b>

**Technical data**

Luminous flux of the luminaire	530lm
Connected load	6.5W
Luminaire efficacy	82lm/W
Colour deviation	1.5 SDCM
Colour rendition index	CRI 92
Lumen maintenance (LED manufacturer specifications)	L90/B10 ≤50000h L90 ≤100000h
LED failure rate	0.1% ≤50000h
Dimming range	0.1%-100%
Dimming method	CCR
LMF	E
Standby power per control gear	0.3W
Luminaires per circuit breaker B16	--



**DALI controllable via accessory**  
 DALI Casambi Gateway for controlling Casambi Bluetooth via DALI.



**Mounting**  
 Minirail 48V track  
 Minirail 48V singlet

## Planning data

### Illuminance $E_n$ (lx)

Specifications:

Number of luminaires  $n > 5$

Wall height (m) 3.0

Angle of tilt 35°

Offset from wall (m)	0.75		1.00		1.00		1.00	
	0.75		1.00		1.25		1.50	
Luminaire spacing (m)	below the luminaire	between the luminaires	below the luminaire	between the luminaires	below the luminaire	between the luminaires	below the luminaire	between the luminaires
0.250	107	115	89	75	43	41	40	29
0.500	228	263	181	183	93	93	86	65
0.750	279	307	208	233	115	130	103	98
1.000	297	310	220	236	125	142	109	113
1.250	291	298	218	225	131	143	113	115
1.500	264	270	200	202	132	139	113	112
1.750	224	229	170	172	127	131	109	106
2.000	179	183	136	139	117	119	100	97
2.250	139	141	106	108	103	105	88	86
2.500	106	106	81	83	88	90	75	74
2.750	81	80	62	63	74	76	62	62

### Melanopic light effect

Art. no.	Spectrum	MR	MDER
A1002187 (direct)	3500K CRI 92	0.63	0.57

MR Melanopic ratio according to DIN SPEC 5031-100-100:2015-08: "amel;v"

MDER Melanopic daylight equivalent ratio according to DIN SPEC 5031-100-100:2015-08: "amel;D65;v"

Multiplying the melanopic ratio MR with the illuminance gives the equivalent melanopic illuminance EML (equivalent melanopic lux). The equivalent illuminance with daylight (D65) is obtained by multiplying the illuminance by the melanopic daylight equivalent ratio MDER.

Cleaning (a)	1				2				3			
	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
RSMF	0.99	0.97	0.95	0.92	0.98	0.97	0.95	0.92	0.98	0.97	0.95	0.92
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: 985716

Model identifier: 3000057846

Download data sheets for control gear and disassembly instructions at [www.erco.com/slr](http://www.erco.com/slr)

## Planning data

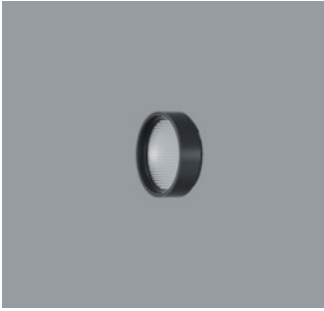
**Technical data in accordance with international norms and standards**

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

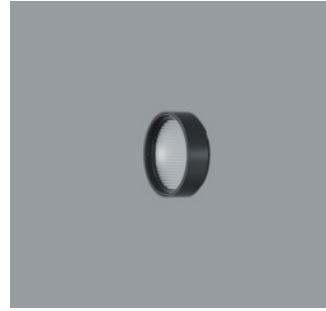
All technical data is subject to industry-standard tolerances.  
Also see [www.erco.com/erco-led](http://www.erco.com/erco-led)

For explanations of the symbols and abbreviations used and other general information, see [www.erco.com/symbols](http://www.erco.com/symbols)

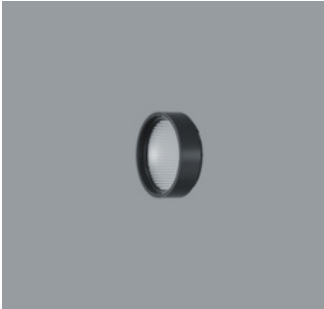
Accessories



**AC002064**  
 Lens unit spot  
 Polymer, black lacquered, rotatable through 360°. Replacement without tools.  
 Spherolit lens made of optical polymer.



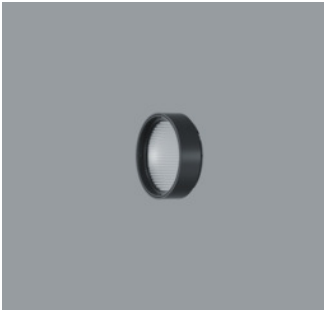
**AC002065**  
 Lens unit wallwash  
 Polymer, black lacquered, rotatable through 360°. Replacement without tools.  
 Spherolit lens made of optical polymer.



**AC002062**  
 Lens unit flood  
 Polymer, black lacquered, rotatable through 360°. Replacement without tools.  
 Spherolit lens made of optical polymer.



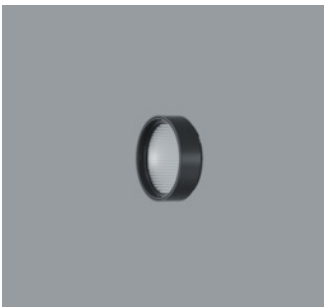
**AC002122**  
 Lens unit zoom spot  
 Polymer, black lacquered, rotatable through 360°. Replacement without tools.  
 Anti-reflective zoom lens made of optical polymer, infinitely variable focus.



**AC002060**  
 Lens unit wide flood  
 Polymer, black lacquered, rotatable through 360°. Replacement without tools.  
 Spherolit lens made of optical polymer.



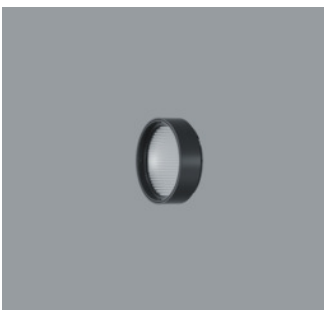
**AC002123**  
 Lens unit zoom oval  
 Polymer, black lacquered, rotatable through 360°. Replacement without tools.  
 Anti-reflective zoom lens made of optical polymer, infinitely variable focus.



**AC002063**  
 Lens unit extra wide flood  
 Polymer, black lacquered, rotatable through 360°. Replacement without tools.  
 Spherolit lens made of optical polymer.



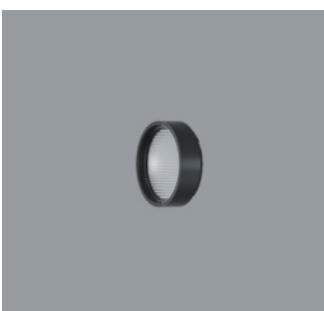
**AC002263**  
 Lens unit narrow framing  
 Aluminium/polymer, coated black, pivotable through 360°. Replacement without tools.  
 Projection lens, continuously focusable. Ideal for long projection distances.  
 Framing attachment: stainless steel, black.  
 Aperture.



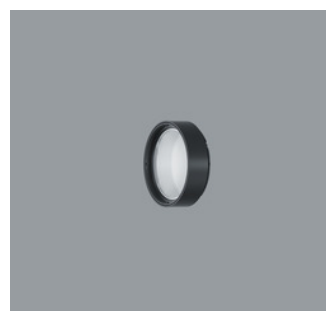
**AC002061**  
 Lens unit oval flood  
 Polymer, black lacquered, rotatable through 360°. Replacement without tools.  
 Spherolit lens made of optical polymer.



**AC002266**  
 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.

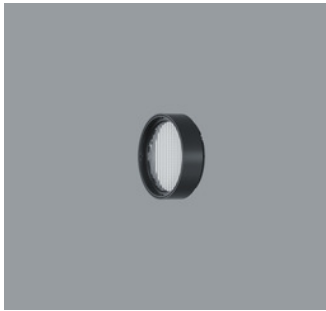


**AC002067**  
 Lens unit oval wide flood  
 Polymer, black lacquered, rotatable through 360°. Replacement without tools.  
 Spherolit lens made of optical polymer.

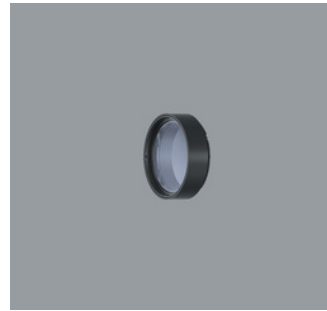


**AC006002**  
 Softening lens  
 Filter holder: polymer, black, rotatable through 360°. Replacement without tools.

Accessories



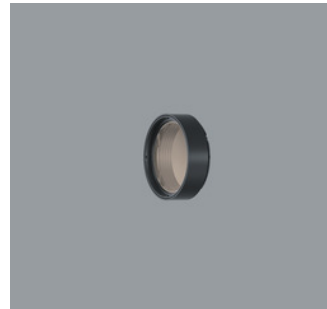
**AC006025**  
Sculpture lens  
Filter holder: polymer, black, rotatable through 360°. Replacement without tools.



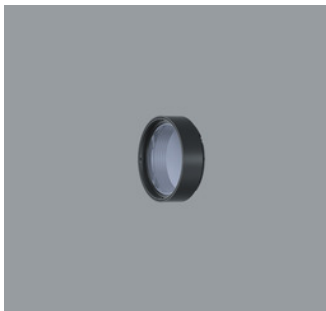
**AC006013**  
Fish Filter  
Filter holder: polymer, black, rotatable through 360°. Replacement without tools.



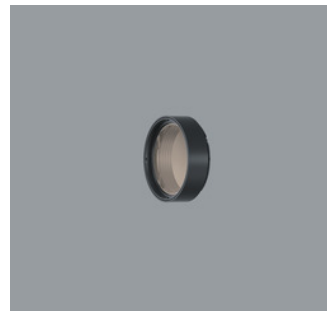
**AC006009**  
Cold Filter  
Filter holder: polymer, black, rotatable through 360°. Replacement without tools.



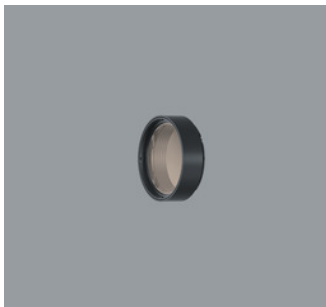
**AC006010**  
Marbled Meat Filter  
Filter holder: polymer, black, rotatable through 360°. Replacement without tools.



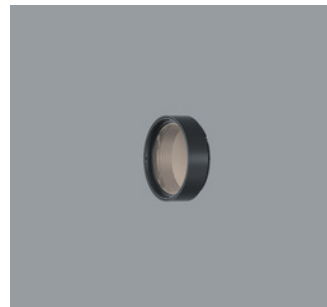
**AC006007**  
Cold Filter Plus  
Filter holder: polymer, black, rotatable through 360°. Replacement without tools.



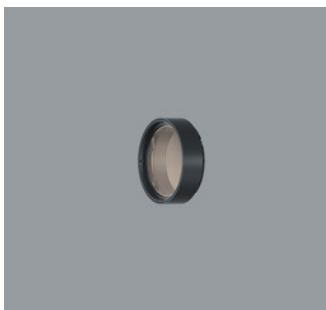
**AC006008**  
Bread and Pastry Filter  
Filter holder: polymer, black, rotatable through 360°. Replacement without tools.



**AC006005**  
Warm Filter  
Filter holder: polymer, black, rotatable through 360°. Replacement without tools.



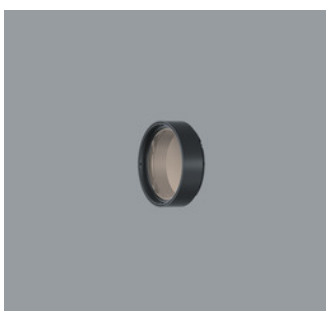
**AC006004**  
Blue Light Filter  
Filter holder: polymer, black, rotatable through 360°. Replacement without tools.



**AC006003**  
Warm Filter Plus  
Filter holder: polymer, black, rotatable through 360°. Replacement without tools.



**AC001001**  
Snoot  
Polymer, black.

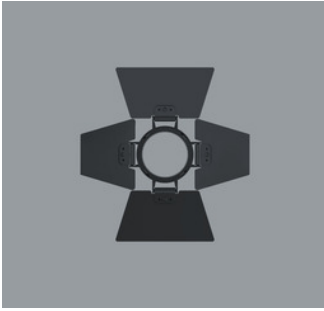


**AC006006**  
Skintone Filter  
Filter holder: polymer, black, rotatable through 360°. Replacement without tools.

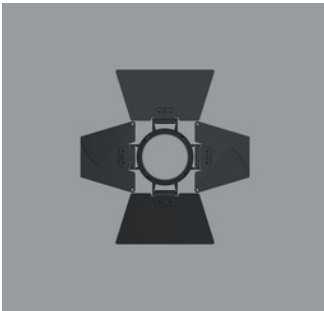


**AC004024**  
Honeycomb anti-glare screen  
Black

## Accessories



**AC005002**  
Barn doors 4-fold  
Aluminium, coated black.



**AC005004**  
Barn doors 8-fold  
Aluminium, coated black.



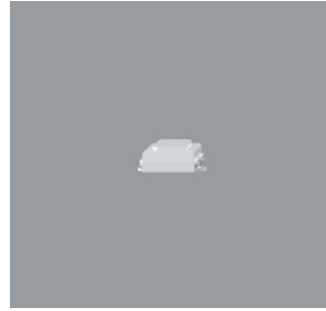
**AC003002**  
Add-on Control Unit On-board Dim  
Polymer, black. Replacement without tools.  
Rotary control for brightness regulation.



**AC003004**  
Add-on Control Unit Zigbee  
Polymer, black. Replacement without tools.  
Control via a Zigbee 3.0 compliant hub.

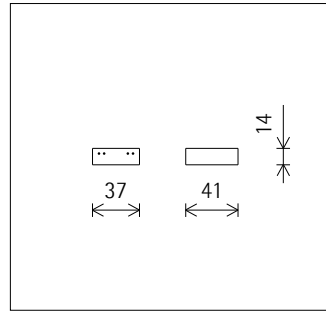


**AC003001**  
Add-on Control Unit Casambi Bluetooth  
Polymer, black. Replacement without tools.  
Control via Casambi app (Android/iOS) with Bluetooth Low Energy (BLE)-capable mobile devices or "Casambi Ready" products.



**AC007001**  
DALI Casambi Gateway  
Enables DALI systems to be connected to luminaires, sensors and control units with Casambi Bluetooth. The gateway can only be operated in Evolution networks. Power is supplied exclusively via the DALI bus. Connection via two lines which must be designed for mains voltage. The gateway requires no DALI addresses, the devices appear as non-configured devices in the DALI system. Addressing/commissioning is performed via the DALI control. It can individually control 64 devices, and via the broadcast command up to 249 devices.

CE



**56012.000**  
ERCO Casambi motion detector with light sensor for ERCO Minirail 48V track. Setup via Casambi app (Android/iOS) with Bluetooth Low Energy (BLE)-capable mobile devices. Use for daylight-dependent light control with or without motion detector. Detection range of infrared (PIR) sensor 100°/ 5m. At 3m room height, this is a circle with diameter of approx. 7m. Minirail adapter for ERCO Minirail 48V track: polymer, black. Available from 2nd quarter 2023  
Black  
Weight 0.18kg  
CE