

**51441.000** Black  
 LED module: 48W 5040lm 3000K warm white  
 Casambi Bluetooth  
 Version 4  
 Spherolit lens, wallwash

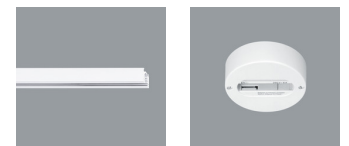
**Product description**  
 Housing and bracket: cast aluminium, powder-coated. 0°-90° tilt. Bracket on 3-circuit adapter rotatable through 360°. Internal wiring.  
 2 ERCO Casambi control units.  
 3-phase adapter for ERCO 220-240V track: polymer, black.  
 LED module: high-power LEDs on metal-core PCB. Collimating lens made of optical polymer.  
 Control via Casambi app (Android/iOS) with Bluetooth Low Energy (BLE)-capable mobile devices or "Casambi Ready" products.  
 Install the luminaire out of people's normal reach.  
 Weight 1.50kg

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

Angle of tilt 30°	8			
Wall height (m)	2.25	2.75	2.75	2.75
Offset from wall (m)	2.25	3.00	2.75	3.50
Luminaire spacing (m)	2.25	3.00	2.75	3.50
Illuminance E <sub>n</sub> (lx)	<b>167</b>	<b>126</b>	<b>121</b>	<b>96</b>

**Technical data**

Luminous flux of the luminaire	4105lm
Connected load	55.0W
Luminaire efficacy	75lm/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%-100%
Dimming method	CCR
LMF	E
Standby power per control gear	0.4W
Luminaires per circuit breaker B16	13



**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.ercos.com/contact](http://www.ercos.com/contact)

Technical Region: 220-240V 50/60Hz  
 We reserve the right to make technical and design changes.  
 Edition: 16.11.2022  
 Current version under  
[www.ercos.com/51441.000](http://www.ercos.com/51441.000)

## Planning data

### Illuminance $E_n$ (lx)

Specifications:

Number of luminaires  $n > 5$

Wall height (m) 8.0

Angle of tilt 30°

Offset from wall (m)	2.25		2.25		2.75		2.75	
	2.25		3.00		2.75		3.50	
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
0.500	70	73	53	55	43	44	34	35
1.000	137	145	109	103	77	83	63	63
1.500	193	204	158	140	114	121	95	90
2.000	221	230	181	157	138	145	116	106
2.500	222	237	181	162	149	155	125	114
3.000	216	231	173	162	149	158	125	117
3.500	205	220	162	157	146	156	120	117
4.000	194	204	152	148	140	151	114	114
4.500	179	188	139	138	135	143	109	109
5.000	164	169	126	126	128	134	103	103
5.500	147	150	112	112	119	125	95	97
6.000	129	132	98	100	111	115	89	90
6.500	113	115	86	88	102	104	81	82
7.000	99	100	75	77	92	94	73	74
7.500	86	87	65	67	83	85	65	67

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: 696746

Model identifier: 3000054482

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

### 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



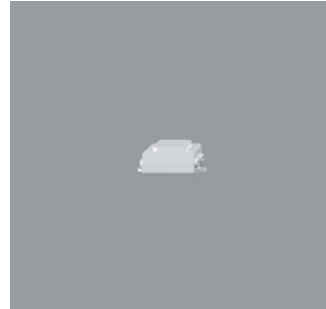
**70867.000**  
Spherolit lens spot  
made of optical polymer.  
Replacement without tools.



**70638.000**  
Snoot  
Polymer.  
Black



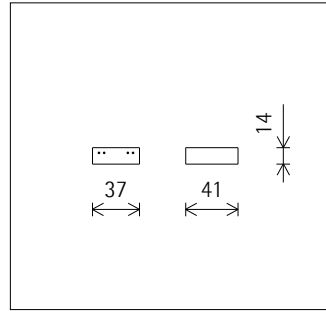
**70868.000**  
Spherolit lens flood  
made of optical polymer.  
Replacement without tools.



**55251.000**  
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.  
This article is identical with article AC007001.



**70869.000**  
Spherolit lens wide flood  
made of optical polymer.  
Replacement without tools.



CE

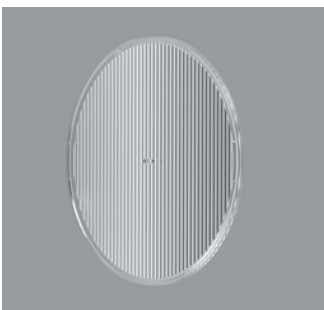


**74017.000**  
Spherolit lens extra wide flood  
made of optical polymer.  
Replacement without tools.



**55249.000**  
ERCO Casambi motion detector with light sensor for ERCO 220-240V 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.  
3-phase adapter for ERCO 220-240V track: polymer, black.

Weight 0.18kg  
CE UK



**70870.000**  
Spherolit lens oval flood  
made of optical polymer.  
Replacement without tools.



**70871.000**  
Spherolit lens wallwash  
made of optical polymer.  
Replacement without tools.