

51428.000 White (RAL9002)
 LED module: 48W 6600lm 4000K
 neutral white
 Casambi Bluetooth
 Version 4
 Spherolit lens, wallwash

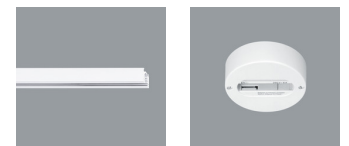
Product description
 Housing and bracket: cast aluminium, powder-coated. 0°-90° tilt. Bracket on 3-circuit adapter rotatable through 360°. Internal wiring.
 2 ERCO Casambi control units.
 3-phase adapter for ERCO 220-240V track: polymer, white.
 LED module: high-power LEDs on metal-core PCB. Collimating 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_n (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 _n (lx)	219	165	159	125

Technical data

Luminous flux of the luminaire	5376lm
Connected load	55.0W
Luminaire efficacy	98lm/W
Colour deviation	1.5 SDCM
Colour rendition index	CRI 82
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.erco.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.erco.com/51428.000

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	91	95	70	72	56	58	44	46
1.000	179	190	143	134	101	108	82	83
1.500	253	267	207	183	149	159	124	118
2.000	289	301	238	205	181	190	152	139
2.500	291	310	238	213	195	203	164	150
3.000	283	303	226	212	195	207	163	153
3.500	269	288	213	205	191	204	157	153
4.000	254	267	199	193	183	198	150	150
4.500	234	246	182	180	176	187	143	143
5.000	215	222	165	165	167	175	135	135
5.500	192	197	146	147	156	163	125	127
6.000	169	174	129	131	145	150	116	118
6.500	148	151	112	115	133	136	106	107
7.000	130	131	98	100	120	123	95	98
7.500	113	113	85	87	108	111	86	88

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 D

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: 696747

Model identifier: 3000054483

Download data sheets for control gear and disassembly instructions at 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

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

Accessories



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



70642.000
Snoot
Polymer.
White



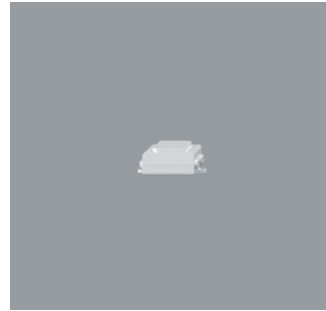
70868.000
Spherolit lens flood
made of optical polymer.
Replacement without tools.



70638.000
Snoot
Polymer.
Black



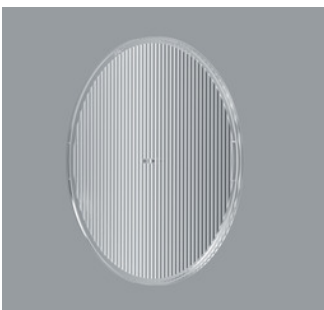
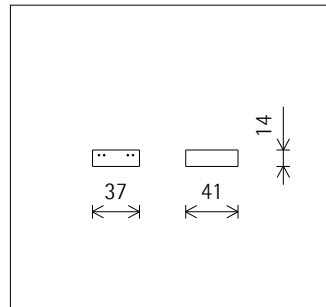
70869.000
Spherolit lens wide flood
made of optical polymer.
Replacement without tools.



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.
CE UK



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



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



55248.000
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: plastic, white.
White
Weight 0.18kg
CE UK



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

Accessories

**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.

Black

Weight 0.18kg

