

51429.000 White (RAL9002)
 LED module: 48W 5040lm 3000K warm white
 Casambi Bluetooth
 Version 4
 Spherolit lens, wallwash

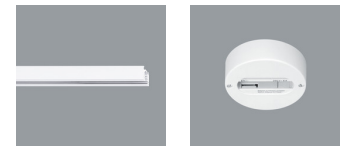
Product description
 Housing and bracket: cast aluminium, powder-coated. 0°-90° tilt. Bracket on 3-circuit adapter rotatable through 360°. Internal wiring.
 2 ERCO Casambi control units.
 3-phase adapter for ERCO 220-240V track: polymer, white.
 LED module: high-power LEDs on metal-core PCB. Collimating 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)	167	126	121	96

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.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/51429.000

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

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



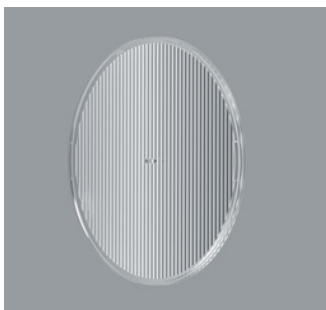
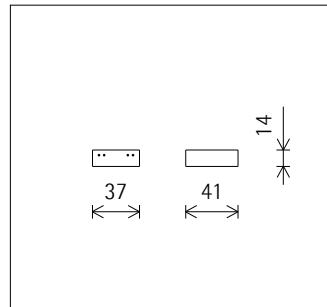
70869.000
Spherolit lens wide flood
made of optical polymer.
Replacement without tools.



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

