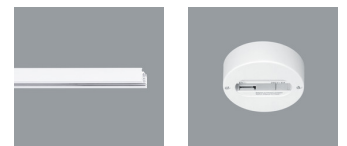


**72888.000** White (RAL9002)  
 LED 48W 5040lm 3000K warm white  
 Phase dimmable+ On-board Dim  
 Version 6  
 Spherolit lens, wallwash

**Product description**  
 Housing and bracket: cast aluminium, powder-coated. 0°-90° tilt. Bracket on 3-circuit adapter rotatable through 360°. Internal wiring.  
 2 ERCO control gear units, separately dimmable. Rotary control for brightness regulation.  
 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.  
 Front cover: polymer, black.  
 Dimming with external dimmers possible (trailing edge).  
 Weight 2.20kg

### Technical data

Luminous flux of the luminaire	3934lm
Connected load	55.0W
Luminaire efficacy	72lm/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	1%- 100%
Dimming method	CCR_PWM
LMF	E
Energy efficiency class	EEI A+
Standby power per control gear	--
Luminaires per circuit breaker B16	52



**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: 19.10.2020  
 Current version under  
[www.ercos.com/72888.000](http://www.ercos.com/72888.000)

## Planning data

### Illuminance $E_n$ (lx)

Specifications:

Number of luminaires  $n > 5$

Wall height (m) 8.0

Angle of tilt 35°

LED 48W 5040lm 3000K warm white

Offset from wall (m)	2.50		2.50		3.00		3.00	
	2.75		3.00		3.00		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	49	55	44	51	35	38	29	33
1.200	111	126	103	115	74	82	63	72
1.900	163	180	154	161	110	123	97	105
2.600	188	204	179	180	132	149	118	124
3.300	196	200	186	178	143	159	128	132
4.000	187	184	177	164	148	154	132	128
4.700	174	169	164	150	141	144	126	119
5.400	150	154	141	137	133	135	119	111
6.100	124	133	115	120	120	125	106	103
6.800	99	109	91	99	104	112	92	94
7.500	78	86	72	79	89	97	77	82

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

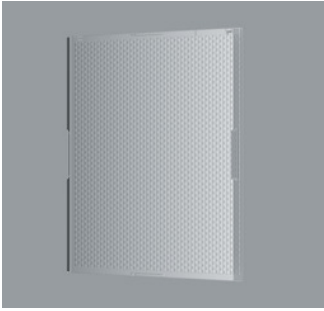
- MF LMFxRSMFxLLMFxLSF
- MF Maintenance Factor
- LMF Luminaire Maintenance Factor
- RSMF Room Surface Maintenance Factor
- LLMF Lamp Lumens Maintenance Factor
- LSF Lamp Survival Factor
- P Room pure
- C Room clean
- N Room normal
- D Room dirty

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

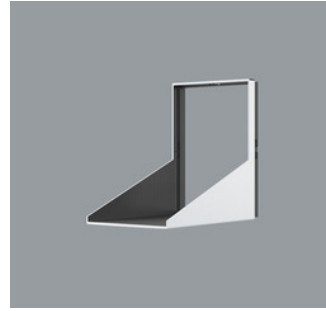
- IEC 60598 Luminaires – Part 1+2: general requirements, specific requirements and tests
- IEC 62031 LED modules for general lighting – safety requirements
- IEC 62471 Photobiological safety of lamps and lamp systems
- EN 13032-4 Light and lighting – measurement and representation of photometric data
- CIE 13 Method of measuring and specifying colour rendering properties of light sources

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

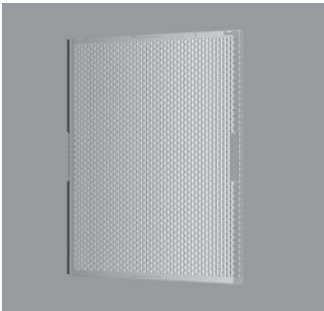
## Accessories



**70924.000**  
Spherolit lens spot  
made of optical polymer.  
Replacement without tools.



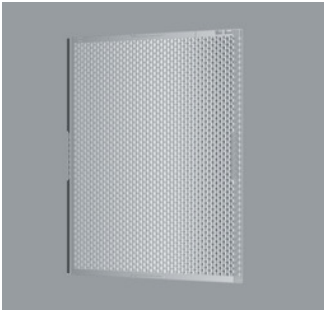
**79840.000**  
Snoot  
Polymer.  
White



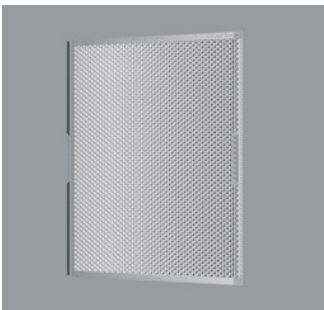
**70925.000**  
Spherolit lens flood  
made of optical polymer.  
Replacement without tools.



**70610.000**  
Snoot  
Polymer.  
Black



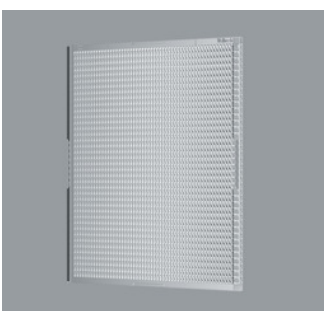
**70926.000**  
Spherolit lens wide flood  
made of optical polymer.  
Replacement without tools.



**70999.000**  
Spherolit lens extra wide flood  
made of optical polymer.  
Replacement without tools.



**70929.000**  
Spherolit lens oval flood  
made of optical polymer.  
Replacement without tools.



**70928.000**  
Spherolit lens wallwash  
made of optical polymer.  
Replacement without tools.