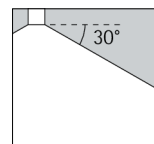
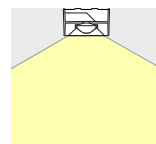


LED

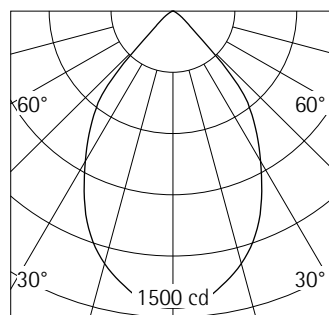


86387.000

LED module: 18.2W 1912lm 3000K
warm white
Switchable
Version 4
Size 5
Lens system, wide flood

Product description

Cylinder: cast aluminium, powder-coated.
Ceiling fixture: metal.
5-pole terminal block.
Control gear.
LED module: high-power LEDs.
Lens system made of optical polymer.
Anti-glare cone: polymer, white (RAL9016).
Optical cut-off 30°.
Weight 2.18kg



Beam angle
C₀ 68.0°

UGR glare evaluation
C₀ 18

Technical data

Luminous flux of the luminaire	1649lm
Connected load	21.0W
Luminaire efficacy	79lm/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	--
Dimming method	--
TLA (Temporal Light Artefacts)	SVM ≤ 0.4; PstLM ≤ 1
LMF	E
Standby power per control gear	--
Luminaires per circuit breaker B16	44

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: 27.01.2024
Current version under
www.erco.com/86387.000

Planning data

86387.000 LED module: 18.2W 1912lm 3000K warm white
 Connected load P: 21.0 W
 Connected load per 100lx P*: 1.0 W/m²
 Number of luminaires per 100lx n*: 5.6 1/100m²

86387.000 LED module: 18.2W 1912lm 3000K warm white
 Number of luminaires per 100m² for
 100lx 200lx 300lx 500lx
 6 12 17 29

86387.000 LED module: 18.2W 1912lm 3000K warm white
 Module (m) 1.2x1.8 1.8x1.8 1.8x2.4 2.4x2.4
 Illuminance E_n (lx) for module (m) 820 547 410 308

Correction table

Ceiling	0.70	0.70	0.70	0.50	0
Wall	0.70	0.50	0.20	0.20	0
Floor	0.50	0.20	0.20	0.10	0

k	0.6	84	59	64	57	53
k	1.0	98	76	79	72	66
k	1.5	107	89	90	83	77
k	2.5	113	100	97	90	84
k	3.0	115	104	100	93	86

Melanopic light effect

Art. no.	Spectrum	MR	MDER
86387.000 (direct)	3000K CRI 92	0.53	0.48

MR Melanopic factor (of luminous radiation) a_{mel,v}
 MDER Melanopic Daylight Efficacy Ratio [gamma]_{mel,v,D65}

Multiplying the illuminance with the melanopic daylight efficacy ratio MDER gives the melanopic equivalent daylight illuminance MEDI. (MEDI Melanopic Equivalent Daylight Illuminance [lx] E_{v, mel, D65} [lx]).

Cleaning (a)	1					2					3				
Ambient conditions	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: 696870
 Model identifier: 3000054732
 Download data sheets for control gear and disassembly instructions at www.erco.com/slr

Planning data

Technical data in accordance with international norms and standards

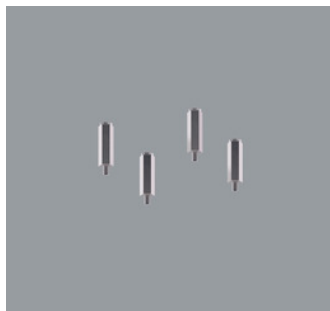
IEC 60598	Luminaires – Part 1+2: general requirements, specific requirements and tests
IEC 62031	LED modules for general lighting – safety requirements
IEC 62471	Photobiological safety of lamps and lamp systems
EN 13032-4	Light and lighting – measurement and representation of photometric data
CIE 13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

All technical data is subject to industry-standard tolerances.

Also see www.ercos.com/ercos-led

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

Accessories



86502.000

Spacer set
for surface-mounted cables.
Polymer, black.