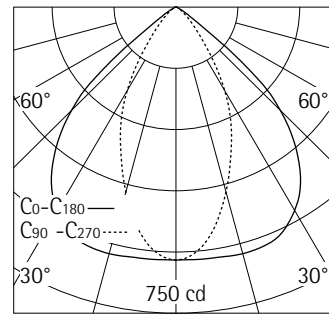


## 86343.000

LED module: 8.1W 850lm 3000K warm white  
Switchable  
Version 4  
Size 3  
Lens system, oval 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, adjustable  $\pm 10^\circ$ .  
Anti-glare cone: polymer, white (RAL9016).  
Optical cut-off  $30^\circ$ .  
Weight 0.87kg



Beam angle  
C<sub>0</sub> 94.0°  
C<sub>90</sub> 51.0°

UGR glare evaluation  
C<sub>0</sub> 22  
C<sub>90</sub> 15

## Technical data

Luminous flux of the luminaire	760lm
Connected load	10.0W
Luminaire efficacy	76lm/W
Colour deviation	1.5 SDCM
Colour rendition index	CRI 92
Lumen maintenance (LED manufacturer specifications)	L90/B10 $\leq 50000h$ L90 $\leq 100000h$
LED failure rate	0.1% $\leq 50000h$
Dimming range	--
Dimming method	--
TLA (Temporal Light Artefacts)	SVM $\leq 0.4$ ; PstLM $\leq 1$
LMF	E
Standby power per control gear	--
Luminaires per circuit breaker B16	58

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Sales network click here  
[www.erco.com/contact](http://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/86343.000](http://www.erco.com/86343.000)

## Planning data

86343.000 LED module: 8.1W 850lm 3000K warm white  
 Connected load P: 10.0 W  
 Connected load per 100lx P\*: 1.0 W/m<sup>2</sup>  
 Number of luminaires per 100lx n\*: 12.4 1/100m<sup>2</sup>

86343.000 LED module: 8.1W 850lm 3000K warm white  
 Number of luminaires per 100m<sup>2</sup> for  
 100lx 200lx 300lx 500lx  
 13 25 38 62

86343.000 LED module: 8.1W 850lm 3000K warm white  
 Module (m) 1.2x1.8 1.8x1.8 1.8x2.4 2.4x2.4  
 Illuminance E<sub>n</sub> (lx) for module (m) 374 249 187 140

### 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	83	57	62	55	50
k	1.0	98	74	78	71	65
k	1.5	107	88	89	82	76
k	2.5	114	100	97	90	84
k	3.0	116	104	100	93	86

### Melanopic light effect

Art. no.	Spectrum	MR	MDER
86343.000 (direct)	3000K CRI 92	0.53	0.48

MR Melanopic factor (of luminous radiation) a<sub>mel,v</sub>  
 MDER Melanopic Daylight Efficacy Ratio [gamma]<sub>mel,v,D65</sub>

Multiplying the illuminance with the melanopic daylight efficacy ratio MDER gives the melanopic equivalent daylight illuminance MEDI. (MEDI Melanopic Equivalent Daylight Illuminance [lx] E<sub>v, mel, D65</sub> [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: 696826  
 Model identifier: 3000054642  
 Download data sheets for control gear and disassembly instructions at [www.erco.com/slr](http://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.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

**86502.000**

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