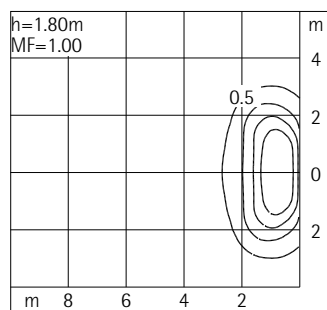
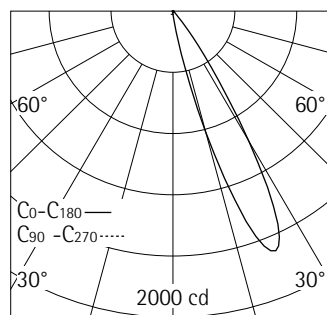


**33528.000** Graphit m  
LED module: 6.1W 717lm 3000K warm white  
Switchable  
Version 10  
Spherolit lens, wide beam

**Product description**  
Housing and wall plate: corrosion-resistant cast aluminium, No-Rinse surface treatment. Double powder-coated. Optimised surface for reduced accumulation of dirt. 2 cable entries. Through-wiring possible. 3-pole terminal block. Control gear. LED module: high-power LEDs. Collimating lens made of optical polymer. Non-reflective safety glass. Protection mode IP65: dust-proof and water jet-proof. Maximum wind load area 0.019m<sup>2</sup> Weight 1.49kg Version with 3000K CRI 97 or 2700K, 3500K, 4000K CRI 92 available on request.



## Technical data

Luminous flux of the luminaire	524lm
Connected load	8.2W
Luminaire efficacy	64lm/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	F
Standby power per control gear	--
Luminaires per circuit breaker B16	27

For your regional contact in the ERCO  
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: 08.05.2024  
Current version under  
[www.erco.com/33528.000](http://www.erco.com/33528.000)

## Planning data

### Melanopic light effect

Art. no.	Spectrum	MR	MDER
33528.000 (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 MEDl. (MEDl 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	0.93	0.86	0.81	0.74	0.88	0.77	0.66	0.57	0.85	0.70	0.55	0.45

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	LMFxLLMFxLSF
MF	Maintenance Factor
LMF	Luminaire 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: 1708741  
Model identifier: 3000068230  
Download data sheets for control gear and disassembly instructions at [www.ercoslr.com](http://www.ercoslr.com)

### 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
EN13032-4	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.ercoslr.com/ercoslr-led](http://www.ercoslr.com/ercoslr-led)

For explanations of the symbols and abbreviations used and other general information, see [www.ercoslr.com/symbols](http://www.ercoslr.com/symbols)