

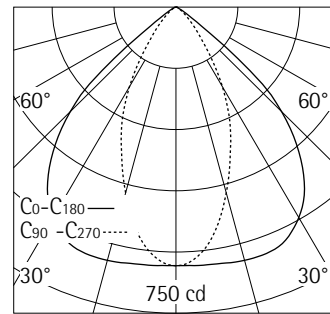
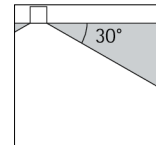
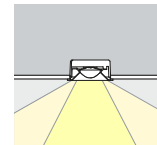
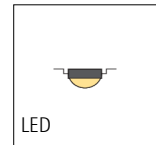
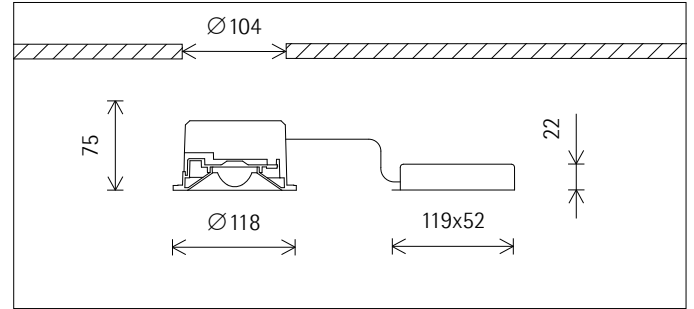


80274.000

LED module: 8.1W 850lm 3000K warm white
Switchable
Version 4
Size 3
Covered mounting detail
Lens system, oval flood

Product description

Housing: cast aluminium, designed as heat sink, with connection cable L 500mm. Fixing springs for ceiling thicknesses of 1-25mm.
2-pole terminal block.
Includes control gear.
LED module: high-power LEDs.
Lens system made of optical polymer, adjustable $\pm 10^\circ$.
Anti-glare cone with covered mounting detail: polymer, white (RAL9016).
Optical cut-off 30° .
The luminaire is protected on the room side against splashing water.
Protection Class II
Weight 0.49kg



Beam angle
C₀ 94.0°
C₉₀ 49.0°

UGR glare evaluation
C₀ 22
C₉₀ 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 ≤ 50000 h L90 ≤ 100000 h
LED failure rate	0.1% ≤ 50000 h
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	--

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/80274.000

Planning data

80274.000	LED module: 8.1W 850lm 3000K warm white
Connected load	P: 10.0 W
Connected load per 100lx	P*: 1.0 W/m ²
Number of luminaires per 100lx	n*: 12.4 1/100m ²

80274.000	LED module: 8.1W 850lm 3000K warm white
Number of luminaires per 100m ² for	100lx 200lx 300lx 500lx
	13 25 38 62

80274.000	LED module: 8.1W 850lm 3000K warm white
Module (m)	1.2x1.8 1.8x1.8 1.8x2.4 2.4x2.4
Illuminance E _n (lx) for module (m)	375 250 187 140

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	56	51
k	1.0	98	75	78	71	65
k	1.5	107	89	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
80274.000 (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) Ambient conditions	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	LMFxRSMF _x LLMF _x LSF
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

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.

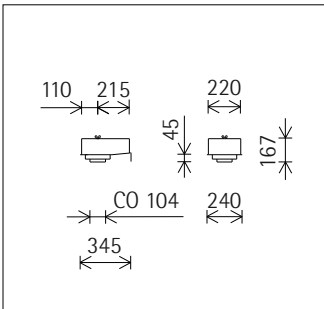
Also see www.erco.com/erco-led

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

Accessories

**83736.000**

Concrete housing
Stainless steel,
galvanised/powder-coated.
Recommended 0-8mm aggregate for
the concrete.
Weight 3.35kg

**88290.000**

Compensation set
For oversize ceiling cut-out.
Lock ring: Sheet steel, galvanised.
Mounting for ceiling thickness of min.
10mm.
Cover ring: Metal, white.
when ordering, please state the
diameter of the existing ceiling cutout
and the diameter of the luminaire.

**83980.000**

Cover ring
Metal, white. For covering the gap
where ceiling cut-outs are too big.
Inner and outer diameter to be
specified when placing order.