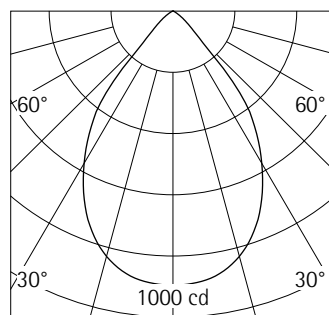


86334.000

LED module: 12.4W 1191lm 3000K
warm white
DALI-2
Version 4
Size 3
Lens system, wide flood

Product description

Cylinder: cast aluminium, powder-coated.
Ceiling fixture: metal.
5-pole terminal block.
ERCO DALI control gear.
LED module: high-power LEDs.
Lens system made of optical polymer.
Anti-glare cone: polymer, white (RAL9016).
Optical cut-off 30°.
Weight 0.86kg



Beam angle
C0 71.0°

UGR glare evaluation
C0 19

Technical data

Luminous flux of the luminaire	1044lm
Connected load	16.0W
Luminaire efficacy	65lm/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	0.1%-100%
Dimming method	CCR
TLA (Temporal Light Artefacts)	SVM ≤ 0.4; PstLM ≤ 1
LMF	E
Standby power per control gear	--
Luminaires per circuit breaker B16	182

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/86334.000

Planning data

86334.000	LED module: 12.4W 1191lm 3000K warm white
Connected load	P: 16.0 W
Connected load per 100lx	P*: 1.1 W/m ²
Number of luminaires per 100lx	n*: 8.9 1/100m ²

86334.000	LED module: 12.4W 1191lm 3000K warm white			
Number of luminaires per 100m ² for	100lx	200lx	300lx	500lx
	9	18	27	45

86334.000	LED module: 12.4W 1191lm 3000K warm white			
Module (m)	1.2x1.8	1.8x1.8	1.8x2.4	2.4x2.4
Illuminance E _n (lx) for module (m)	522	348	261	196

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	60	64	58	53
k	1.0	98	76	79	72	67
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
86334.000 (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	LMFxRSMFxFLLMFxLSF
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

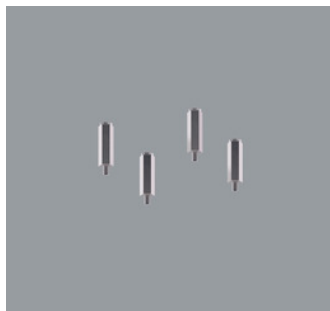
IEC 60598	Luminaires – Part 1+2: general requirements, specific requirements and tests
IEC 62031	LED modules for general lighting – safety requirements
IEC 62471	Photobiological safety of lamps and lamp systems
EN 13032-4	Light and lighting – measurement and representation of photometric data
CIE 13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

All technical data is subject to industry-standard tolerances.

Also see www.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.