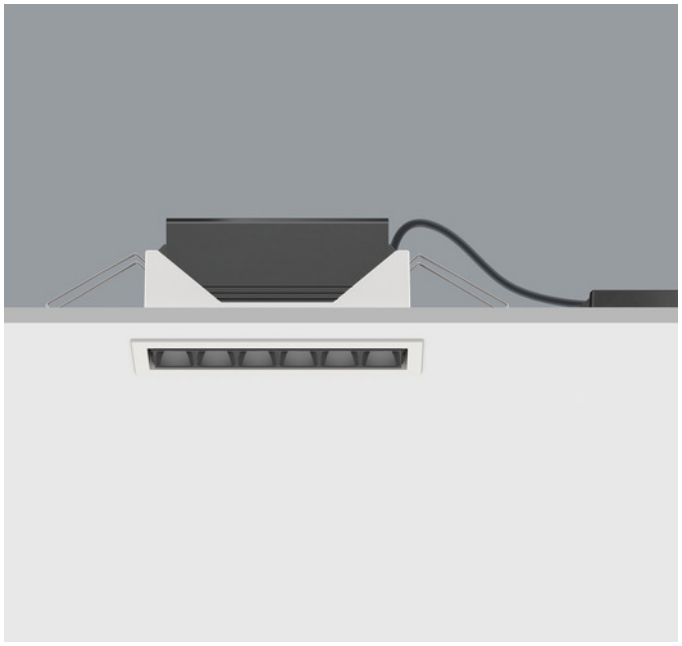
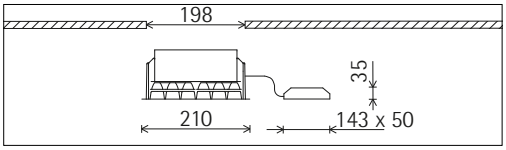
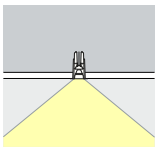
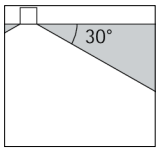
ERCO Compar Downlight

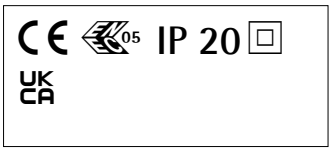
with black louvre

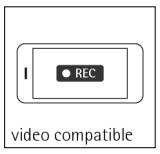


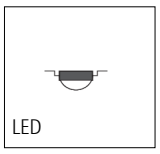






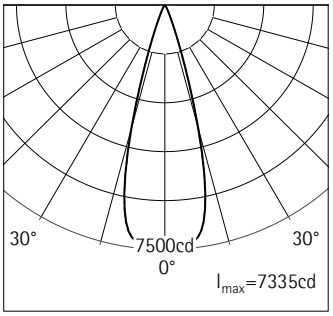






54984.000 (C0002938)
White (RAL9002)
LED module: 18.6W 2280lm 3500K neutral white
DALI-2
Version 3
Covered mounting detail
Flush mounting is possible with accessory
Lens system flood

Product description
Housing: aluminium profile, anodised black, designed as heat sink, with connection cable L 500mm.
Mounting frame: polymer, white (RAL9002). Fixing springs for ceiling thicknesses of 1-40mm.
4-pole terminal block.
Includes ERCO DALI control gear.
LED module: high-power LEDs.
Lens system made of optical polymer.
Louvre: polymer, coated black (RAL9005), matt.
Cut-off angle 30°.
Min. distance between luminaire and control gear 100mm.
Photobiological safety: RG2 min 0.75m.
Dimming possible via commercially available push-buttons (Push Dim).
Approved for use as emergency lighting according to IEC / EN 60598-2-22.
Safety class II
Weight 0.76kg
Through-wiring possible on request.



Beam angle
C_0 30°

UGR glare evaluation
C_0 <10

Technical data

Luminous flux of the luminaire	1927lm
Connected load	22.5W
Luminaire efficacy	86lm/W
Colour deviation	1.5 SDCM
Colour rendition index	CRI 92
Lumen maintenance	L90/B10 >50000h L90 >100000h
LED failure rate	0.1% >50000h
Dimming range	1%-100%
Dimming method	CCR
TLA (Temporal Light Artefacts)	SVM ≤ 0.1; PstLM ≤ 1
LMF	D
Standby power per control gear	0.3W
Luminaires per circuit breaker B16	140

For your regional contact in the ERCO Sales network click here
www.erco.com/contact

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Technical Region: 220-240V 50/60Hz
We reserve the right to make technical and design changes.
Edition: 08.05.2026
Current version under
www.erco.com/54984.000

ERCO

Compar Downlight

Planning data

54984.000	LED module: 18.6W 2280lm 3500K neutral white	
Connected load	P:	22.5 W
Connected load per 100lx	P*:	1.1 W/m²
Number of luminaires per 100lx	n*:	4.9 1/100m²

54984.000	LED module: 18.6W 2280lm 3500K neutral white			
Number of luminaires per 100m² for	100lx	200lx	300lx	500lx
	5	10	15	25

54984.000	LED module: 18.6W 2280lm 3500K neutral white			
Module (m)	1.2x1.8	1.8x1.8	1.8x2.4	2.4x2.4
Illuminance E_n (lx) for module (m)	937	624	468	351

Melanopic light effect

Art. no.	Spectrum	MR	MDER
54984.000 (direct)	3500K CRI 92	0.62	0.57

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]).

Extract from the Environmental Product Declaration (EPD)
The entire EPD can be found at: www.erco.com/54984.000

Extrapolation coefficients to convert the reference data from the EPD document for the declared unit

Lighting output	Manufacturing	Distribution	Installation	Use	EoL	Benefits and loads
1927	0.698734927	0.62280304	0.786076604	0.827205882	0.563289835	0.698734927

Frequently used EPD data that have already been converted for this article number.

Parameter	Unit	A1-A3	A4	A5	B6	C1	C2	C3	C4	D	Total
Results per functional unit											
GWP	kg CO2 eq	4.52E00	7.48E-02	1.50E-01	1.29E02	0.00E00	2.05E-03	1.23E-01	9.68E-04	-9.40E-01	1.34E02
GWP-biogenic	kg CO2 eq	-1.29E-01	0.00E00	1.45E-01	0.00E00	0.00E00	0.00E00	0.00E00	0.00E00	0.00E00	1.60E-02
Results per declared unit											
GWP	kg CO2 eq	1.87E01	3.09E-01	6.18E-01	5.35E02	0.00E00	8.47E-03	5.08E-01	4.00E-03	-3.88E00	5.55E02
GWP-biogenic	kg CO2 eq	-5.32E-01	0.00E00	5.98E-01	0.00E00	0.00E00	0.00E00	0.00E00	0.00E00	0.00E00	6.60E-02

A1-A3 Manufacturing
A4 Distribution
A5 Installation
B6 Use
C1-C4 End of Life
D Benefits and loads

The data for operating the light (Use B6) refer to the European power source mix.
You will find the ERCO EPD Help under Downloads/General planning data.

Cleaning (a)	1				2				3			
Ambient conditions	P	C	N	D	P	C	N	D	P	C	N	D
LMF	0.94	0.88	0.82	0.77	0.91	0.83	0.77	0.71	0.89	0.79	0.73	0.65

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

ERCO

Compar Downlight

Planning data

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 D
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: 1784445
Model identifier: 3000068263
Download data sheets for control gear and disassembly instructions at www.erco.com/slr

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.erco.com/erco-led

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

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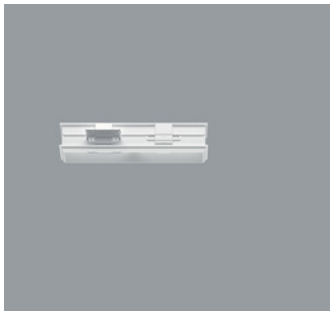
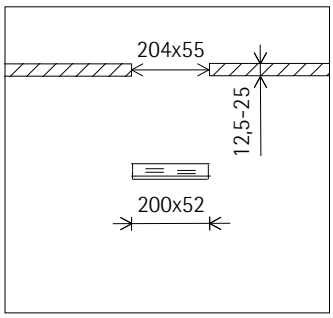
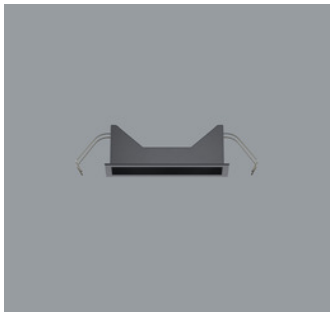
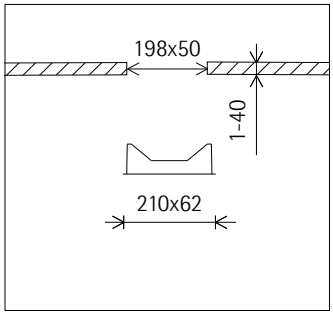
Compar Downlight

Accessories



87153.000
Mounting frame
For flush mounting of luminaires with ceiling aperture 198x50mm.
Polymer, white (RAL9002). Mounting for ceiling thicknesses of 12.5-25mm.
The recess depth of the luminaire increases by 2mm.
Weight 0.05kg





89482.000
Mounting frame
For covered mounting of luminaires with ceiling aperture 198x50mm.
Polymer, black (RAL9011). Fixing springs for ceiling thicknesses of 1-40mm.
Weight 0.12kg