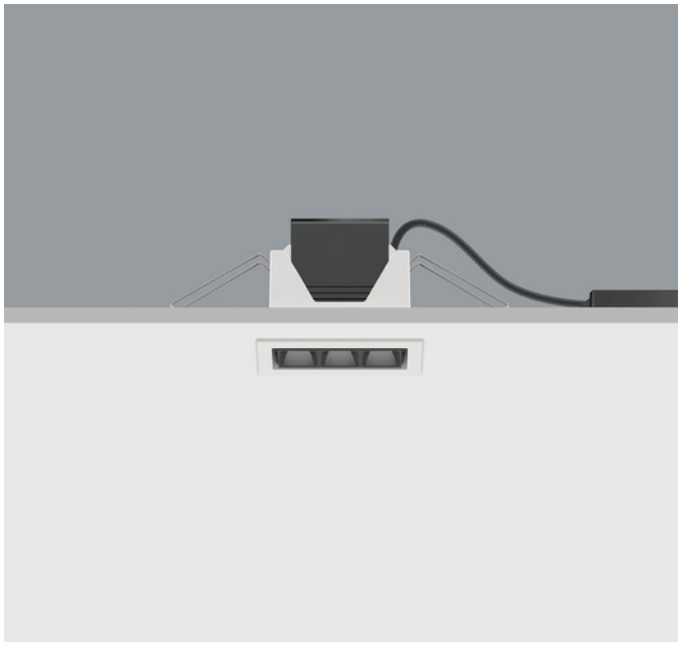
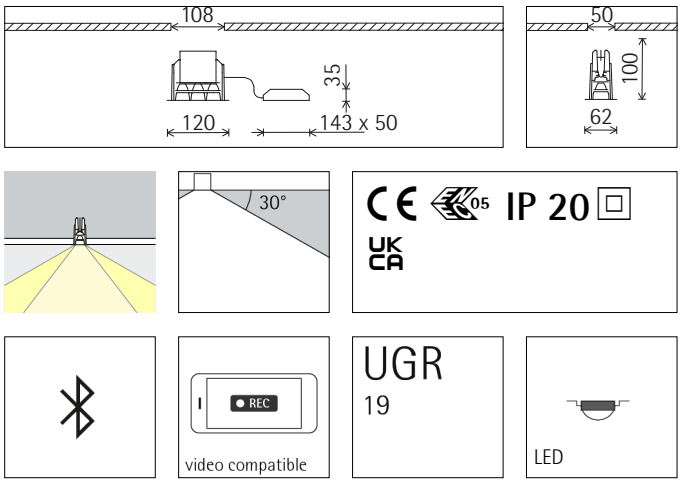
Compar Downlight oval wide flood

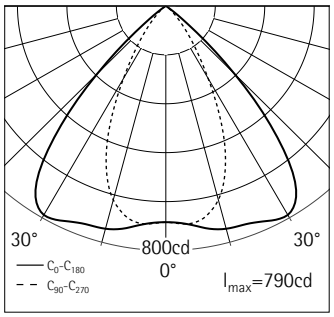
with black louvre





52914.000 (C0000691)
White (RAL9002)
LED module: 9.3W 1213lm 4000K neutral white
Casambi Bluetooth
Version 3
Covered mounting detail
Flush mounting is possible with accessory
Lens system oval wide 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.
2-pole terminal block.
Includes ERCO Casambi 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 0.5m.
Control via Casambi app (Android/iOS) with Bluetooth Low Energy (BLE)-capable mobile devices or "Casambi Ready" products.
Approved for use as emergency lighting according to IEC / EN 60598-2-22.
Safety class II
Weight 0.48kg
Through-wiring possible on request.



Beam angle
C_0 86°
C_{90} 54°

UGR glare evaluation
C_0 25
C_{90} 17

Technical data

Luminous flux of the luminaire	887lm
Connected load	12.3W
Luminaire efficacy	72lm/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	0.4W
Luminaires per circuit breaker B16	257

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Compar Downlight oval wide flood

Planning data

52914.000	LED module: 9.3W 1213lm 4000K neutral white	
Connected load	P:	12.3 W
Connected load per 100lx	P*:	1.4 W/m²
Number of luminaires per 100lx	n*:	10.7 1/100m²

52914.000	LED module: 9.3W 1213lm 4000K neutral white			
Number of luminaires per 100m² for	100lx	200lx	300lx	500lx
	11	22	33	54

52914.000	LED module: 9.3W 1213lm 4000K neutral white			
Module (m)	1.2x1.8	1.8x1.8	1.8x2.4	2.4x2.4
Illuminance E_n (lx) for module (m)	431	287	216	162

Melanopic light effect

Art. no.	Spectrum	MR	MDER
52914.000 (direct)	4000K CRI 92	0.71	0.65

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/52914.000

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
887	0.706111729	0.39948205	0.476350899	0.452205882	0.371463359	0.706111729

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	9.92E00	1.04E-01	1.97E-01	1.54E02	0.00E00	2.94E-03	1.76E-01	1.39E-03	-2.06E00	1.64E02
GWP-biogenic	kg CO2 eq	-2.83E-01	0.00E00	1.91E-01	0.00E00	0.00E00	0.00E00	0.00E00	0.00E00	0.00E00	-9.20E-02
Results per declared unit											
GWP	kg CO2 eq	1.89E01	1.98E-01	3.75E-01	2.92E02	0.00E00	5.59E-03	3.35E-01	2.64E-03	-3.92E00	3.12E02
GWP-biogenic	kg CO2 eq	-5.37E-01	0.00E00	3.62E-01	0.00E00	0.00E00	0.00E00	0.00E00	0.00E00	0.00E00	-1.75E-01

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

Compar Downlight oval wide flood

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: 1708763
Model identifier: 3000068260
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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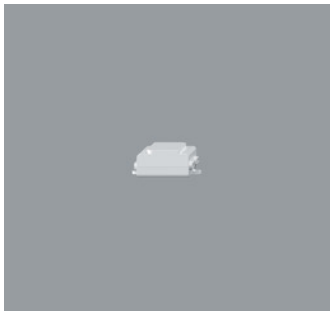
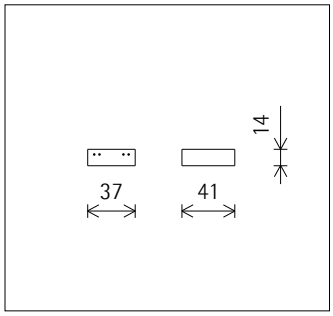
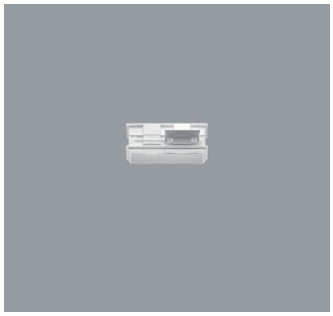
Accessories

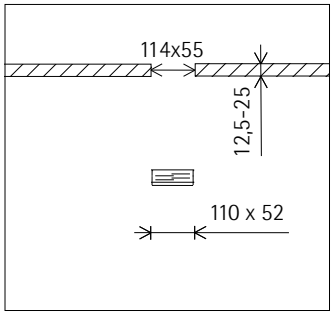


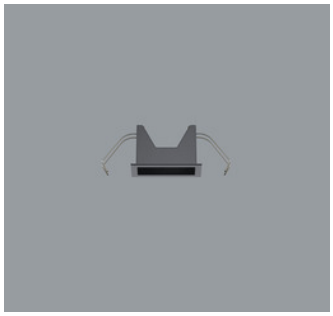
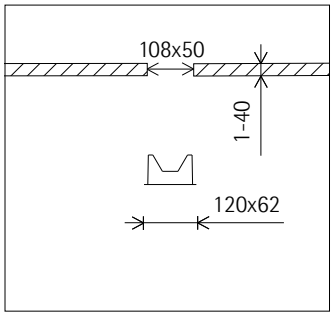
55251.000
DALI Casambi Gateway
Enables DALI systems to be connected to luminaires, sensors and control units with Casambi Bluetooth. The gateway can only be operated in Evolution networks. Power is supplied exclusively via the DALI bus. Connection via two lines which must be designed for mains voltage. The gateway requires no DALI addresses, the devices appear as non-configured devices in the DALI system. Addressing/commissioning is performed via the DALI control. It can individually control 64 devices, and via the broadcast command up to 249 devices.
This article is identical with article 55251.
CE





87152.000
Mounting frame
For flush mounting of luminaires with ceiling aperture 108x50mm. Polymer, white (RAL9002). Mounting for ceiling thicknesses of 12.5-25mm. The recess depth of the luminaire increases by 2mm.
Weight 0.05kg





89481.000
Mounting frame
For covered mounting of luminaires with ceiling aperture 108x50mm. Polymer, black (RAL9011). Fixing springs for ceiling thicknesses of 1-40mm.
Weight 0.08kg