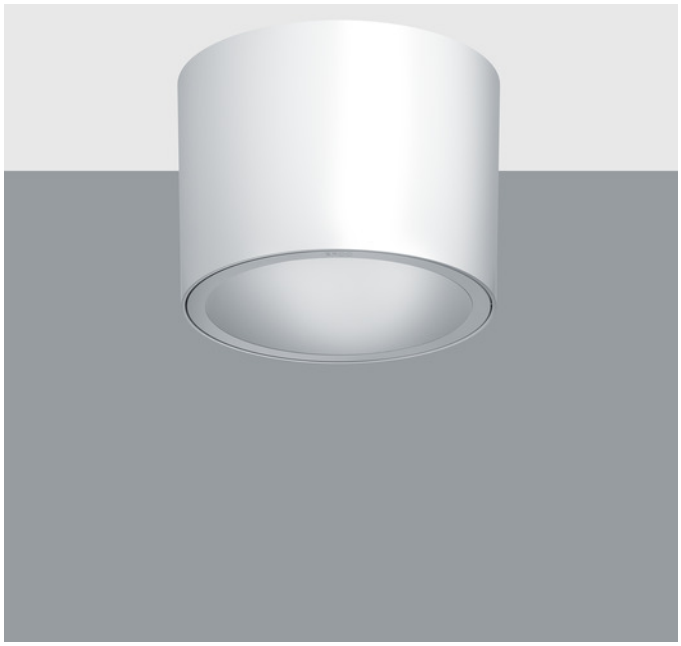
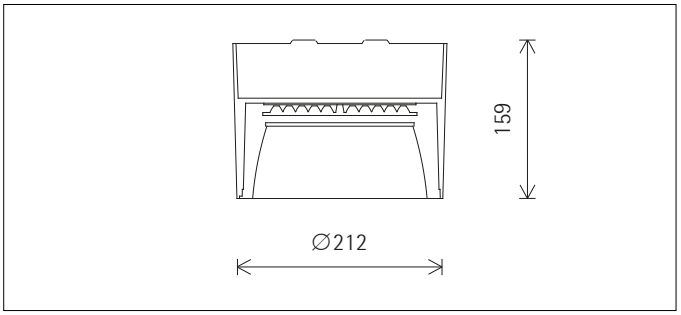
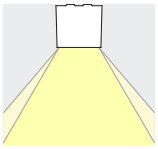
Iku Surface-mounted downlight oval wide flood

with silver anti-glare cone







IP 20

DALI

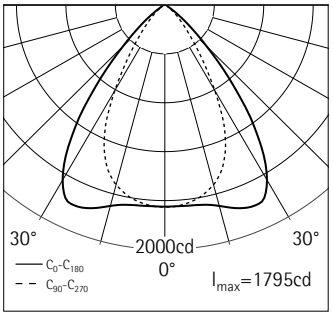
video compatible

UGR
16

LED

B4000507 White (RAL9002)
LED module: 16.6W 3198lm 4000K neutral white
DALI-2
Version 2
Construction size 7
Spherolit lens oval wide flood

Product description
Cylinder: cast aluminium, powder-coated.
Ceiling fixture: metal.
5-pole terminal block. Through-wiring possible.
ERCO DALI control gear.
LED module: mid-power LEDs.
Spherolit lens made of optical polymer, adjustable ±10°.
Anti-glare cone: polymer, coated silver.
Weight 3.10kg



Beam angle
C_0 79°
C_{90} 59°

UGR glare evaluation
C_0 20
C_{90} 16

Technical data

Luminous flux of the luminaire	2219lm
Connected load	19.6W
Luminaire efficacy	113lm/W
Colour deviation	1.5 SDCM
Colour rendition index	CRI 92
Lumen maintenance	L90/B10 >50000h L80/B50 >100000h
LED failure rate	0.1% >50000h
Dimming range	1%-100%
Dimming method	CCR
TLA (Temporal Light Artefacts)	SVM ≤ 0.1; PstLM ≤ 1
LMF	E
Standby power per control gear	0.4W
Luminaires per circuit breaker B16	161

Casambi Bluetooth controllable via accessories
Casambi DALI gateway for controlling DALI via Casambi Bluetooth

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: 28.04.2026
Current version under
www.erco.com/B4000507

Iku Surface-mounted downlight oval wide flood

Planning data

B4000507	LED module: 16.6W 3198lm 4000K neutral white	
Connected load	P:	19.6 W
Connected load per 100lx	P*:	0.8 W/m²
Number of luminaires per 100lx	n*:	4.3 1/100m²

B4000507	LED module: 16.6W 3198lm 4000K neutral white			
Number of luminaires per 100m² for	100lx	200lx	300lx	500lx
	5	9	13	22

B4000507	LED module: 16.6W 3198lm 4000K neutral white			
Module (m)	1.2x1.8	1.8x1.8	1.8x2.4	2.4x2.4
Illuminance E_n (lx) for module (m)	1079	719	539	405

Melanopic light effect

Art. no.	Spectrum	MR	MDER
B4000507 (direct)	4000K CRI 92	0.71	0.64

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/B4000507

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
3246	1.61597309	1.48384697	0.946570184	0.569767442	1.582728286	1.61597309

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	8.02E00	1.53E-01	9.70E-02	6.32E01	0.00E00	5.73E-03	1.42E-01	4.04E-03	-4.27E-01	7.16E01
GWP-biogenic	kg CO2 eq	-1.59E-01	0.00E00	9.31E-02	0.00E00	0.00E00	0.00E00	0.00E00	0.00E00	0.00E00	-6.59E-02
Results per declared unit											
GWP	kg CO2 eq	5.58E01	1.07E00	6.75E-01	4.40E02	0.00E00	3.99E-02	9.88E-01	2.82E-02	-2.97E00	4.99E02
GWP-biogenic	kg CO2 eq	-1.11E00	0.00E00	6.47E-01	0.00E00	0.00E00	0.00E00	0.00E00	0.00E00	0.00E00	-4.63E-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	0.96	0.94	0.90	0.86	0.93	0.91	0.86	0.81	0.92	0.90	0.84	0.79

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

Iku Surface-mounted 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 B
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: 2563456
Model identifier: 3000073318
Download data sheets for control gear and disassembly instructions at www.erco.com/slr

Technical data in accordance with international norms and standards

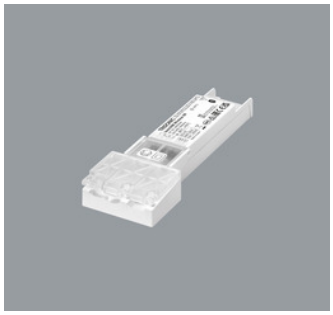
IEC 60598	Luminaires – Part 1+2: general requirements, specific requirements and tests
IEC 62031	LED modules for general lighting – safety requirements
IEC 62471	Photobiological safety of lamps and lamp systems
EN13032-4	Light and lighting – measurement and representation of photometric data
CIE 13	Method of measuring and specifying colour rendering properties of light sources

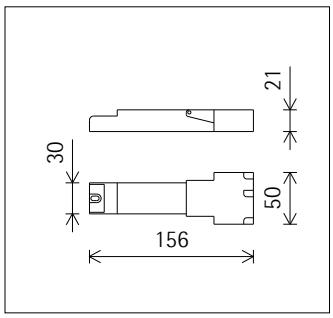
All technical data is subject to industry-standard tolerances.
Also see www.erco.com/erco-led

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

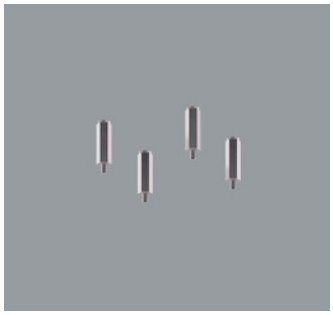
Iku Surface-mounted downlight oval wide flood

Accessories

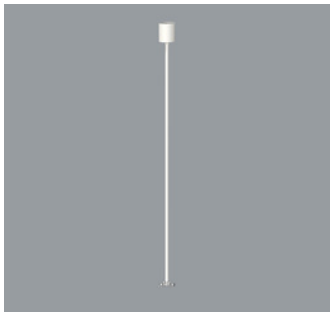


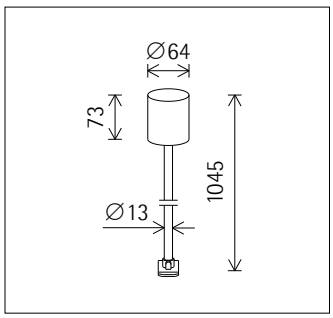


AC007007
Casambi DALI Gateway
Enables the control of DALI luminaires via Casambi Bluetooth.
Input voltage: 220-240V; 50/60Hz;.
Power consumption in standby mode: <0,5W.
DALI output (compatible). Wire cross-section: 0.2-1.5mm².
Protection class II with strain relief for 2x ø 2.5-5mm or 1x ø 5-9mm.
Maximum wiring length 300m with 1.5mm² cable cross-section.
Maximum number of controllable luminaires: 25 (depending on the number of control gear units per luminaire - cf. luminaire data sheet)
Setup of gateway via Casambi app (Android/iOS) with Bluetooth Low Energy (BLE)-capable mobile devices.
Operation only in Casambi Evolution networks. The range of the radio signal is approx. 10.0m, depending on surroundings.
Outgoing DALI control lines must be designed for mains voltage. The gateway provides 4 DALI group addresses, enabing 4 luminaire groups to be dimmed with fixed light colour. The luminaires are assigned to a DALI group address in the Casambi app.
With tunable white luminaires, up to 3 luminaire groups can be dimmed differently. The luminaires are assigned to a DALI group address in the Casambi app. The colour temperature is set simultaneously for all connected luminaires via a broadcast command. No special settings or assignments are necessary to adjust the colour temperature.
RGBW luminaires are automatically recognised by the gateway and controlled simultaneously via broadcast command; no special settings or assignments are necessary.
The controlled luminaire must have a DALI control gear.
Weight 0.06kg
CE



86502.000
Spacer set
for surface-mounted cables.
Polymer, black.
Height 15mm.
CE UK CA





12485.000
Pendant tube suspension
Pendant tube: metal, white (RAL9002) powder-coated. ø 13mm, L 1045mm.
Canopy: polymer, white. ø 64mm, H 73mm.
Mounting part for attachment to a surface-mounted luminaire: zinc die-cast/steel.
Connection cable 5x 0.75mm², L 1400mm.
Load: 20kg.
Weight 0.65kg
CE IP 20 UK CA