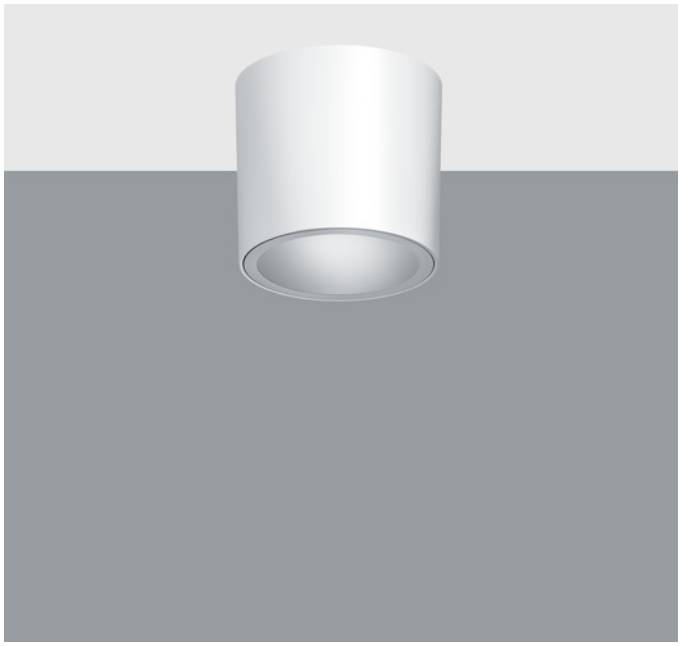
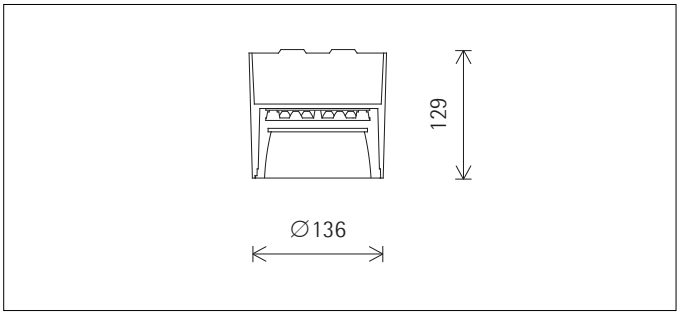
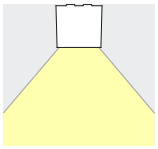
Iku Surface-mounted downlight

with silver anti-glare cone

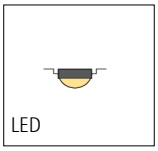






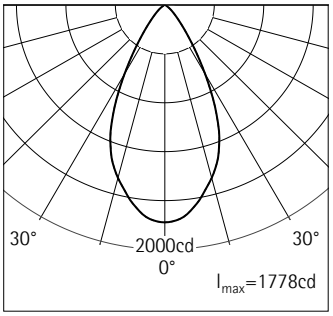
IP 20

UGR
19



B4000807 White (RAL9002)
LED module: 9.9W 1793lm 2700K warm white
Switchable
Version 2
Construction size 4
Fresnel lens wide flood

Product description
Cylinder: cast aluminium, powder-coated.
Ceiling fixture: metal.
5-pole terminal block. Through-wiring of 5x1.5mm^2 possible.
Control gear.
LED module: mid-power LEDs.
Fresnel lens made of optical polymer.
Anti-glare cone: polymer, coated silver.
Weight 1.35kg



Beam angle
C_0 52°

UGR glare evaluation
C_0 17

Technical data

Luminous flux of the luminaire	1402lm
Connected load	12.9W
Luminaire efficacy	109lm/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	--
Dimming method	--
TLA (Temporal Light Artefacts)	--
LMF	E
Standby power per control gear	--
Luminaires per circuit breaker B16	31

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/B4000807

Iku Surface-mounted downlight

Planning data

B4000807	LED module: 9.9W 1793lm 2700K warm white	
Connected load	P:	12.9 W
Connected load per 100lx	P*:	0.9 W/m²
Number of luminaires per 100lx	n*:	6.8 1/100m²

B4000807	LED module: 9.9W 1793lm 2700K warm white			
Number of luminaires per 100m² for	100lx	200lx	300lx	500lx
	7	14	21	34

B4000807	LED module: 9.9W 1793lm 2700K warm white			
Module (m)	1.2x1.8	1.8x1.8	1.8x2.4	2.4x2.4
Illuminance E_n (lx) for module (m)	682	454	341	256

Melanopic light effect

Art. no.	Spectrum	MR	MDER
B4000807 (direct)	2700K CRI 92	0.46	0.42

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/B4000807

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
1796	1.155873926	0.710837056	1.054691937	0.75	0.64755343	1.155873926

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	1.04E01	1.33E-01	1.95E-01	1.50E02	0.00E00	4.23E-03	1.05E-01	2.98E-03	-5.52E-01	1.61E02
GWP-biogenic	kg CO2 eq	-2.05E-01	0.00E00	1.87E-01	0.00E00	0.00E00	0.00E00	0.00E00	0.00E00	0.00E00	-1.80E-02
Results per declared unit											
GWP	kg CO2 eq	3.99E01	5.11E-01	7.52E-01	5.79E02	0.00E00	1.63E-02	4.04E-01	1.15E-02	-2.13E00	6.21E02
GWP-biogenic	kg CO2 eq	-7.91E-01	0.00E00	7.21E-01	0.00E00	0.00E00	0.00E00	0.00E00	0.00E00	0.00E00	-7.00E-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	0.96	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

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 C
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: 2563462
Model identifier: 3000073325
Download data sheets for control gear and disassembly instructions at www.erco.com/slr

Technical data in accordance with international norms and standards

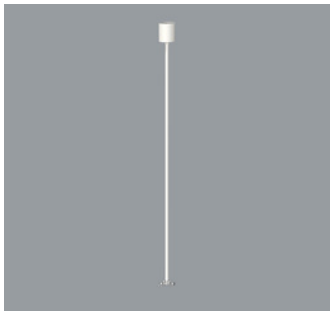
IEC 60598	Luminaires – Part 1+2: general requirements, specific requirements and tests
IEC 62031	LED modules for general lighting – safety requirements
IEC 62471	Photobiological safety of lamps and lamp systems
EN13032-4	Light and lighting – measurement and representation of photometric data
CIE 13	Method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

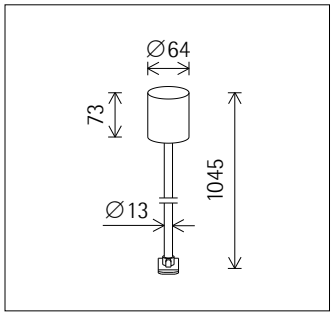
For explanations of the symbols and abbreviations used and other general information, see www.erco.com/symbols

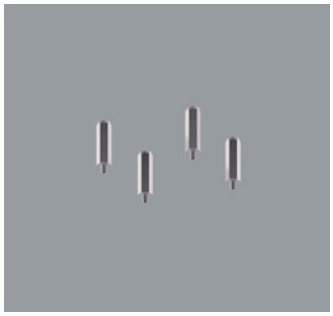
Iku Surface-mounted downlight

Accessories



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 UKCA





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