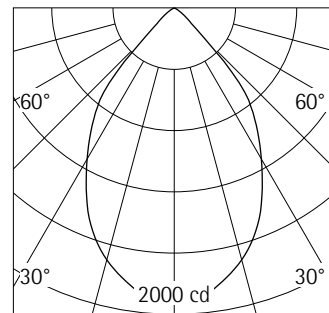


**86391.000** White (RAL9010)  
LED 18W 2475lm 4000K neutral white  
DALI  
Version 4  
Lens system, wide flood

**Product description**  
Cylinder: cast aluminium, powder-coated. Ceiling fixture: metal. ERCO DALI control gear. 5-pole terminal block.  
LED module: high-power LEDs on metal-core PCB. Lens system made of optical polymer.  
Anti-glare cone: polymer, white (RAL9016). Optical cut-off 30°. Weight 2.18kg  
Version with 3000K CRI 95 or 2700K, 3500K, 4000K CRI 92 available on request.



Beam angle  
C<sub>0</sub> 68°

UGR glare evaluation  
C<sub>0</sub> 18.9

**Technical data**

Luminous flux of the luminaire	2206lm
Connected load	23.0W
Luminaire efficacy	96lm/W
Colour deviation	1.5 SDCM
Colour rendition index	CRI 82
Lumen maintenance (LED manufacturer specifications)	L90/B10 ≤50000h L90 ≤100000h
LED failure rate	0.1% ≤50000h
Dimming range	0.1%-100%
Dimming method	CCR
LMF	E
Energy efficiency class	EEI A++
Standby power per control gear	0.4W
Luminaires per circuit breaker B16	28

For your regional contact in the ERCO  
Sales network click here  
[www.erco.com/contact](http://www.erco.com/contact)

Technical Region: 220V-240V/50Hz  
We reserve the right to make technical and design changes.  
Edition: 21.02.2019  
Current version under  
[www.erco.com/86391.000](http://www.erco.com/86391.000)

## Planning data

86391.000	LED 18W 2475lm 4000K neutral white
Connected load	P: 23 W
Connected load per 100lx	P*: 1.0 W/m <sup>2</sup>
Number of luminaires per 100lx	n*: 4.2 1/100m <sup>2</sup>

86391.000	LED 18W 2475lm 4000K neutral white
Number of luminaires per 100m <sup>2</sup> for	100lx    200lx    300lx    500lx
	5            9            13          22

86391.000	LED 18W 2475lm 4000K neutral white
Module (m)	1.2x1.8    1.8x1.8    1.8x2.4    2.4x2.4
Illuminance E <sub>n</sub> (lx) for module (m)	1097      731        548        411

### 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	59	63	57	52
k	1.0	98	76	78	72	66
k	1.5	107	89	90	83	77
k	2.5	113	100	97	90	84
k	3.0	115	104	100	93	86

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	0.97	0.95	0.91	0.86	0.97	0.94	0.90	0.86	0.97	0.94	0.90	0.86

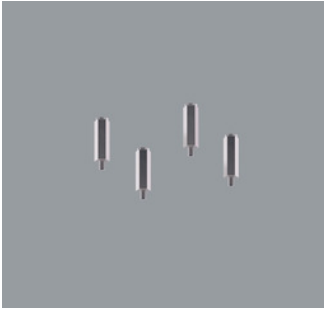
Hours of operation (h)	1000	5000	10000	20000	30000	40000	50000
LLMF	1.00	0.99	0.98	0.96	0.94	0.92	0.90
LSF	1	1	1	1	1	1	1

- 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

### 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 industrially standard tolerances.  
Also see [www.erco.com/erco-led](http://www.erco.com/erco-led)

**Accessories**

**86502.000**  
Spacer set  
for surface-mounted cables.  
Polymer, black.