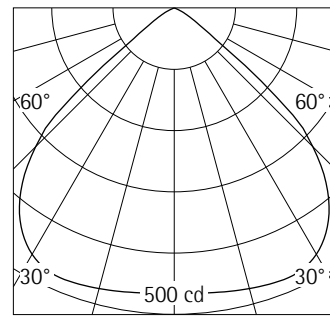


**80273.000** White (RAL9016)  
 LED 8W 1100lm 4000K neutral white  
 DALI  
 Version 4  
 Covered mounting detail  
 Lens system, extra wide flood

**Product description**  
 Housing: cast aluminium, designed as heat sink, with connection cable L 500mm. Fixing springs for ceiling thicknesses of 1-25mm. Includes ERCO DALI control gear. 4-pole terminal block.  
 LED module: high-power LEDs on metal-core PCB. Lens system made of optical polymer.  
 Anti-glare cone with covered mounting detail: polymer, white (RAL9016). Optical cut-off 30°.  
 The luminaire is splash water-protected on the room side.  
 Dimming possible via commercially available push-buttons (Push Dim).  
 Protection Class II  
 Weight 0.49kg  
 Version with 3000K CRI 95 or 2700K, 3500K, 4000K CRI 92 available on request.



Beam angle  
 C<sub>0</sub> 97°

**Technical data**

|   |                                 |
|---|---------------------------------|
| Luminous flux of the luminaire                      | 993lm                           |
| Connected load                                      | 11.0W                           |
| Luminaire efficacy                                  | 90lm/W                          |
| Colour deviation                                    | 1.5 SDCM                        |
| Colour rendition index                              | CRI 82                          |
| Lumen maintenance (LED manufacturer specifications) | L90/B10 ≤50000h<br>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                  | 260                             |

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/80273.000](http://www.erco.com/80273.000)

## Planning data

80273.000 LED 8W 1100lm 4000K neutral white  
 Connected load P: 11 W  
 Connected load per 100lx P\*: 1.1 W/m<sup>2</sup>  
 Number of luminaires per 100lx n\*: 9.8 1/100m<sup>2</sup>

80273.000 LED 8W 1100lm 4000K neutral white  
 Number of luminaires per 100m<sup>2</sup> for  
 100lx 200lx 300lx 500lx  
 10 20 30 49

80273.000 LED 8W 1100lm 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) 474 316 237 178

### 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 | 79  | 49  | 55  | 48 | 42 |
| k | 1.0 | 97  | 70  | 74  | 67 | 60 |
| k | 1.5 | 108 | 87  | 88  | 80 | 74 |
| k | 2.5 | 116 | 100 | 98  | 90 | 83 |
| k | 3.0 | 119 | 105 | 101 | 93 | 86 |

| Cleaning (a)       | 1    |      |      |      | 2    |      |      |      | 3    |      |      |      |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|
|                    | P    | C    | N    | D    | P    | C    | N    | D    | P    | C    | N    | D    |
| Ambient conditions |      |      |      |      |      |      |      |      |      |      |      |      |
| 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

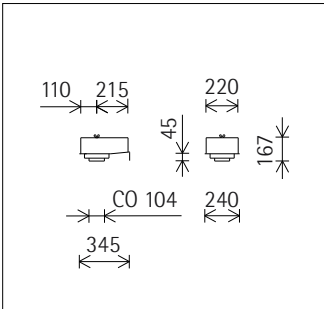
IEC 60598 Luminaires – Part 1+2: general requirements, specific requirements and tests  
 IEC 62031 LED modules for general lighting – safety requirements  
 IEC 62471 Photobiological safety of lamps and lamp systems  
 EN13032-4 Light and lighting – measurement and representation of photometric data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



**83736.000**  
 Concrete housing  
 Stainless steel, galvanised/powder-coated.  
 Recommended 0-8mm aggregate for the concrete.  
 Weight 3.35kg



**88290.000**  
 Compensation set  
 For over-large ceiling aperture.  
 Lock ring: steel sheet, galvanised.  
 Mounting for ceiling thicknesses of 15-25mm.  
 Cover ring: metal, white.  
 When ordering state ceiling aperture of the luminaire and diameter of the available ceiling aperture.



**83980.000**  
 Cover ring  
 Metal, white. For covering the gap where ceiling cut-outs are too big. Inner and outer diameter to be specified when placing order.