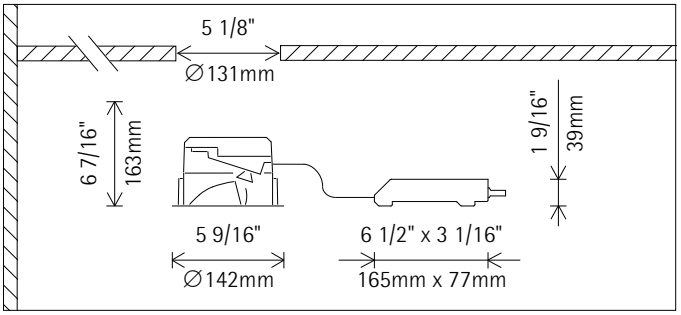
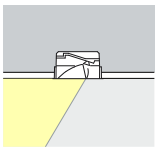
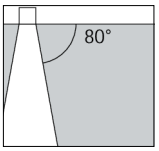
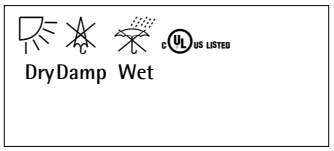
# ERCO Quintessence Lens wallwasher

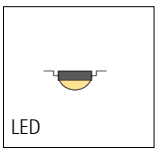






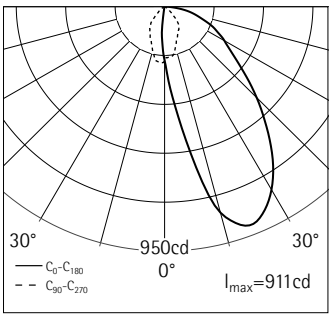




**47999.023 (B5000649)**
White (RAL9002)
LED module: 16.1W 1604lm 3000K warm white
0-10V dimmable
Version 3
Construction size 4
Covered mounting detail
Flush mounting is possible with accessory
Lens system, wallwash

**Product description**
Housing: cast aluminum, designed as heat sink, with connection cable L 19 11/16" / 500mm. Fixing ring: polymer, black, rotatable through 360°. Lockable angle of rotation.
Mounting ring: polymer, white (RAL9002). Expanding spring fixing for ceiling thicknesses of 1/16"-1" / 1-25mm.
5 terminals.
Control gear 120V, 60Hz, dimmable.
LED module: high-power LEDs.
Lens system made of optical polymer.
Wallwasher reflector: polymer, aluminum vaporized, silver, specular.
Cut-off angle 80° from horizontal.
The luminaire is protected on the room side against splashing water.
Type Non IC luminaire with marked spacings: Installation with minimum spacings between center to center of adjacent luminaires of 24" (600mm) and from luminaires center to side building member of 12" (300mm).
Thermally protected luminaire.
Dimming with external dimmers possible (0-10V).
Weight 2.09lbs / 0.95kg

**Technical data**

| | |
|---|---|
| Luminous flux of the luminaire | 768lm |
| Connected load | 21.0W |
| Luminaire efficacy | 37lm/W |
| Color deviation | 1.5 SDCM |
| Color rendition index | CRI 97 |
| Lumen maintenance | L90/B10 >50000h<br>L90 >100000h |
| LED failure rate | 0.1% >50000h |
| TLA (Temporal Light Artefacts) | SVM ≤ 0.4; PstLM ≤ 1 |
| LMF | D |




**Mean illuminance (wall)**

| | | | | |
|---|---|---|---|---|
| Wall height (ft) | 10 | | | |
| Offset from wall (ft) | 4 | 4 | 5 | 5 |
| Luminaire spacing (ft) | 4 | 5 | 5 | 6 |
| Illuminance (fc) | **15** | **12** | **10** | **8** |

For your regional contact in the ERCO Sales network click here
www.erco.com/contact

Technical region: 120V/60Hz
We reserve the right to make technical and design changes.
Edition: 05.05.2026
Current version under
www.erco.com/47999.023

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# Quintessence Lens wallwasher

## Planning data

**Melanopic light effect**

| Art. no. | Spectrum | MR | MDER |
|---|---|---|---|
| 47999.023 (direct) | 3000K CRI 97 | 0.57 | 0.52 |

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]).

| 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

**Technical data based on international standards and directives**

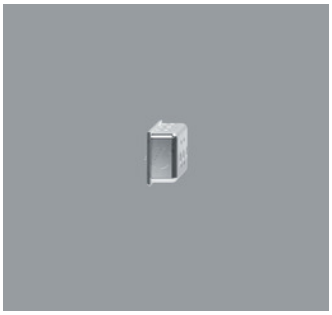
| | |
|---|---|
| IEC 60598 | Luminaires – Parts 1 + 2: General requirements, particular requirements and tests |
| IEC 62031 | LED modules for general lighting – Safety specifications |
| IEC 62471 | Photobiological safety of lamps and lamp systems |
| UL 1598 | Luminaires |
| UL 1574 | Standard for Track Lighting Systems |
| UL 8750 | Standard for Light Emitting Diode (LED) Equipment for Use in Lighting Products |
| IES LM-79-08 | Electrical and Photometric Measurements of Solid-State Lighting Products |
| IES LM-80-08 | Measuring Lumen Maintenance of LED Light Sources |
| CIE 13 | Method of measuring and specifying color rendering properties of light sources |

All technical data are subject to industry standard tolerances.
See also www.erco.com/erco-led
For explanations of the symbols and abbreviations used and other general information, see www.erco.com/symbols

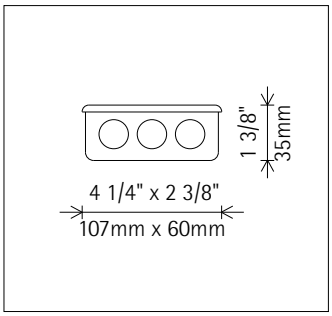
ERCO

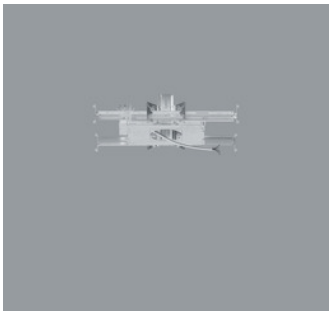
# Quintessence Lens wallwasher

## Accessories

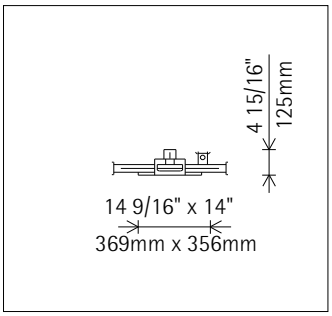


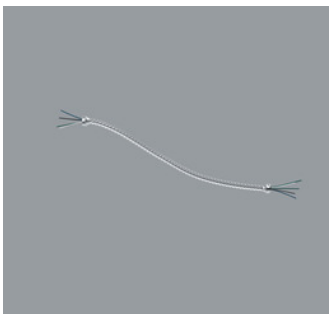
**88557.023**
Junction box
Housing: metal, galvanized.
The dimensions will allow fitting through ceiling aperture.
Flexible metal conduit to be ordered separately.



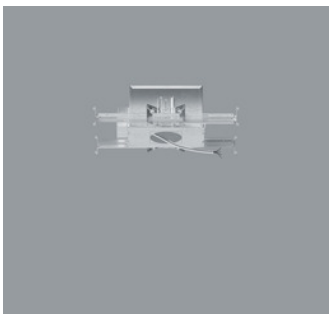



**82972.023**
Plaster frame
For flush mounting of luminaires with ceiling aperture ø137mm or 137x137mm.
Plate and integral junction box: metal, galvanized.
2 butterfly brackets and 2 hanger bars.
Hanger bars L 15"–24", height adjustable.
Flexible metal conduit L 19 11/16" / 500mm with straight snap in connectors (for 7/8" knockout) and 18AWG conductors.
Only to be used with mounting ring or mounting frame for flush mounting.
82936.000

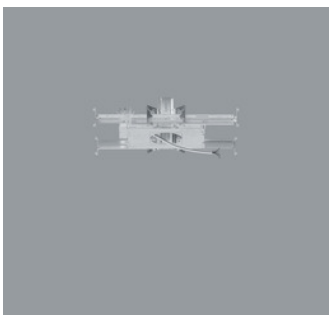


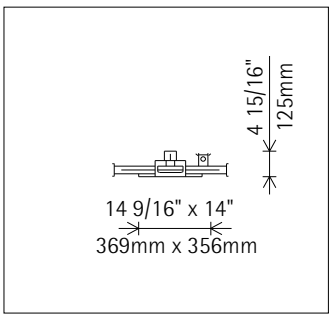
**88559.023**
Flexible metal conduit
L 19 11/16" / 500mm with straight snap in connectors (for 7/8" knockout) and 18AWG conductors.

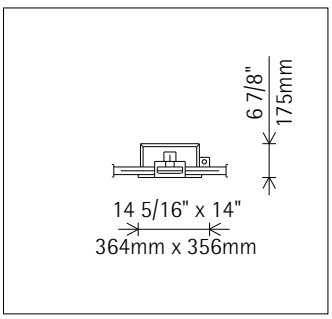


**82959.023**
Ultra airtight I.C. box
For covered mounting of luminaires with ceiling aperture ø 131mm or 133x133mm.
Housing and integral junction box: metal, galvanized.
2 butterfly brackets und 2 hanger bars.
Hanger bars L 15"–24", height adjustable.
Flexible metal conduit L 19 11/16" / 500mm with straight snap in connectors (for 7/8" knockout) and 18AWG conductors.
Weight 6.61lbs / 3.00kg



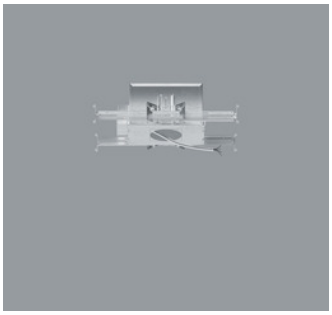
**82971.023**
Plaster frame
For covered mounting of luminaires with ceiling aperture ø131mm or 133x133mm.
Plate and integral junction box: metal, galvanized.
2 butterfly brackets and 2 hanger bars.
Hanger bars L 15"–24", height adjustable.
Flexible metal conduit L 19 11/16" / 500mm with straight snap in connectors (for 7/8" knockout) and 18AWG conductors.



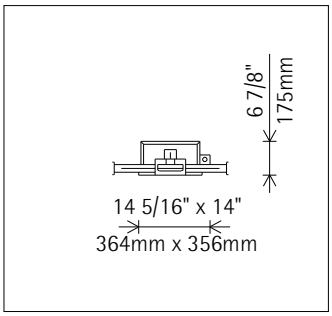



# Quintessence Lens wallwasher

## Accessories

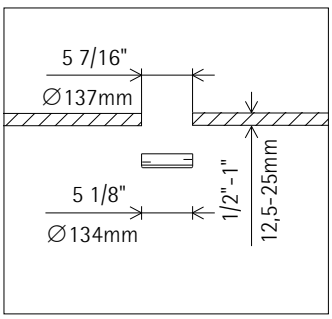


**82960.023**
Ultra airtight I.C. box
For flush mounting of luminaires with ceiling aperture ø 137mm or 137x137mm.
Housing and integral junction box: metal, galvanized.
2 butterfly brackets und 2 hanger bars.
Hanger bars L 15"–24", height adjustable.
Flexible metal conduit L 19 11/16" / 500mm with straight snap in connectors (for 7/8" knockout) and 18AWG conductors.
Only to be used with mounting ring or mounting frame for flush mounting.
Weight 6.61lbs / 3.00kg
82936.000






**82936.000**
Mounting ring
For flush mounting of recessed luminaires size 4.
Polymer, white (RAL9002). Fixing for ceiling thicknesses of 12.5-25mm.
The recess depth of the luminaire increases by 2mm.
Weight 0.22lbs / 0.10kg






**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.
Weight 0.88lbs / 0.40kg