

# UNICO L6 basic

trimless

090-7L661C0021 090-7L60100



|                |  |
|----------------|--|
| Project / Type |  |
| Notes          |  |
| Count / Date   |  |



### General

|                    |  |
|--------------------|--|
| Ceiling , Recessed |  |
| chrome reflector   |  |
| IP20               |  |
| 2090 lm            |  |

### LED

|  |  |
|--|--|
| 4000 K   |  |
| CRI ≥ 90   |  |
| L90 / 50000 h  |  |
| initial MacAdam ≤ 3 SDCM   |  |
| R <sub>g</sub> : 102 , R <sub>f</sub> : 93 , R <sub>f(1-15)</sub> : 92 |  |
| MR 0.81  |  |
| MDER 0.74  |  |

### Optical

|                             |  |
|-----------------------------|--|
| flood round                 |  |
| beam angle 49°              |  |
| UGR < 16 , ≥65° <3000 cd/m² |  |
| PstLM ≤ 1.0 <sup>1</sup>    |  |
| SVM ≤ 0.4 <sup>1</sup>      |  |

### Electrical

|                              |  |
|------------------------------|--|
| non DIM                      |  |
| 220-240 V                    |  |
| system 18.6 W                |  |
| system 112 lm/W <sup>2</sup> |  |
| PC2                          |  |

### Physical

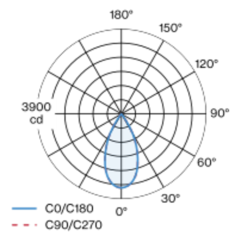
|               |  |
|---------------|--|
| trimless      |  |
| length 235 mm |  |
| width 47 mm   |  |
| height 51 mm  |  |
| 0.7 kg        |  |

### Cutout

|                                |  |
|--------------------------------|--|
| length 240 mm                  |  |
| width 50 mm                    |  |
| min. ceiling thickness 12.5 mm |  |
| max. ceiling thickness 25 mm   |  |
| recessed depth 100 mm          |  |

Rectangular recessed multi-downlight made of die-cast aluminium; installation without tools in mounting set due to patented ball catch system; rectangular installation housing; for trimless installation in plasterboard ceilings; suitable for ceiling thickness of 12.5/15/20/25 mm; equipped with six flood round light elements; symmetrical light distribution with precise radiation characteristic, beam angle 49°; high quality reflector with micro-faceted, aluminum-vaporised surface; chrome reflector; UGR ≤ 16; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above 65° ≤ 3000 cd/m²; passive cooling of the LEDs through improved heat sink geometry; light colour 4000 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 90; min. 90% of luminous flux after 50000 operating hours; energy-efficient high power LEDs with very good colour rendering; degree of protection IP20; PC2; 220-240 V; incl. converter, non dimmable; through wiring connection box, 3-pole or 5-pole, available as an accessory; accessories are listed separately; light source not replaceable; control gear replaceable by an authorized professional; clank-free;

### Light distribution



### Product drawing



<sup>1</sup> Value of containing product at full load (undimmed)  
<sup>2</sup> FIXTURE: incl. consideration of optical losses & internal control unit losses SYSTEM: incl. consideration of optical losses, internal control unit losses & operating device efficiency.

### Installation instructions



### Lighting calculator



# UNICO L6 basic

trimless

090-7L661C0021 090-7L60100



Project / Type

Notes

Count / Date

## Maintenance Factors

| Operating Time [h] | 10 000                       | 20 000 | 30 000            | 40 000                          | 50 000 |
|--------------------|------------------------------|--------|-------------------|---------------------------------|--------|
| LLMF               | 0.96                         | 0.95   | 0.95              | 0.94                            | 0.93   |
| LSF                | 1                            | 1      | 1                 | 1                               | 1      |
| MF                 | LMF × RSMF × LLMF × LSF      |        | RSMF <sup>a</sup> | Room Surface Maintenance Factor |        |
| MF                 | Maintenance Factor           |        | LLMF              | Lamp Lumens Maintenance Factor  |        |
| LMF <sup>a</sup>   | Luminaire Maintenance Factor |        | LSF               | Lamp Survival Faktor            |        |

<sup>a</sup> According to "CIE 97, Maintenance of indoor electric lighting systems", 2005, ISBN 3-900-734-34-8. The values must be determined by the planner.

## Circuit Breaker Types

| Automatic Circuit Breaker Type | Number of Fixtures |
|--------------------------------|--------------------|
| B10                            | 22                 |
| B16                            | 36                 |
| C10                            | 37                 |
| C16                            | 60                 |

## Components

### MOUNTING SET trimless

| TYPE   | L-W-H (MM) | ARTICLE NUMBER(S) |
|--|------------|-------------------|
| for installation in plasterboard ceilings 12.5/15/20/25 mm | 235-47-47  | 090-7L60100       |



### Mounting accessories

### MOUNTING SET trimless

| TYPE   | L-W-H (MM) | ARTICLE NUMBER(S) |
|--|------------|-------------------|
| for installation in plasterboard ceilings 12.5/15/20/25 mm | 235-47-47  | 090-7L60100       |



### Mounting accessories

### THROUGH WIRING CONNECTION BOX

| TYPE                                     | L-W-H (MM) | ARTICLE NUMBER(S) |
|--|------------|-------------------|
| non DIM cable ø 4 – 12 mm, Linect®-Ready | 105-58-30  | 005-253110        |
| DALI cable ø 4 – 12 mm, Linect®-Ready    | 105-58-30  | 005-255110        |

