

# UNICO L6 basic

trim

090-7L651C0B21 090-7L6020B



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



## General

|                                         |
|-----------------------------------------|
| Ceiling , Recessed                      |
| black reflector , RAL 9005 <sup>1</sup> |
| Mounting set jet black                  |
| IP20                                    |
| 1950 lm                                 |

## LED

|                                                                        |
|------------------------------------------------------------------------|
| 3000 K                                                                 |
| CRI ≥ 90                                                               |
| L90 / 50000 h                                                          |
| initial MacAdam ≤ 3 SDCM                                               |
| R <sub>g</sub> : 100 , R <sub>f</sub> : 92 , R <sub>f(1-15)</sub> : 91 |
| MR 0.64                                                                |
| MDER 0.58                                                              |

## Optical

|                                         |
|-----------------------------------------|
| flood round                             |
| beam angle 49°                          |
| UGR ≤ 16 , ≥65° <3000 cd/m <sup>2</sup> |
| PstLM ≤ 1.0 <sup>2</sup>                |
| SVM ≤ 0.4 <sup>2</sup>                  |

## Electrical

|                              |
|------------------------------|
| non DIM                      |
| 220-240 V                    |
| system 18.6 W                |
| system 105 lm/W <sup>3</sup> |
| PC2                          |

## Physical

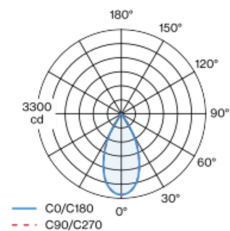
|               |
|---------------|
| trim          |
| length 251 mm |
| width 63 mm   |
| height 51 mm  |
| 0.58 kg       |

## Cutout

|                              |
|------------------------------|
| length 240 mm                |
| width 50 mm                  |
| min. ceiling thickness 2 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; with trim jet black; suitable for ceiling thickness of 2-25 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; black reflector; UGR ≤ 16; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above 65° ≤ 3000 cd/m<sup>2</sup>; passive cooling of the LEDs through improved heat sink geometry; light colour 3000 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> RAL code <sup>2</sup> Value of containing product at full load (undimmed)  
<sup>3</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



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## 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 with trim

| TYPE                      | COLOUR    | L-W-H (MM) | ARTICLE NUMBER(S) |
|---------------------------|-----------|------------|-------------------|
| for intermediate ceilings | jet black | 251-63-30  | 090-7L6020B       |



### Mounting accessories

### MOUNTING SET with trim

| TYPE                      | COLOUR    | L-W-H (MM) | ARTICLE NUMBER(S) |
|---------------------------|-----------|------------|-------------------|
| for intermediate ceilings | jet black | 251-63-30  | 090-7L6020B       |



### 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        |

