

# UNICO L2 basic

trimless

090-7L253G0B21 090-7L20100



Project / Type \_\_\_\_\_

Notes \_\_\_\_\_

Count / Date \_\_\_\_\_



## General

Ceiling | Recessed \_\_\_\_\_

black reflector \_\_\_\_\_

IP20 \_\_\_\_\_

710 lm \_\_\_\_\_

## LED

3000 K \_\_\_\_\_

CRI  $\geq$  90 \_\_\_\_\_

L90 / 50000 h \_\_\_\_\_

initial MacAdam  $\leq$  3 SDCM \_\_\_\_\_

R<sub>g</sub>: 100 | R<sub>f</sub>: 92 | R<sub>(1-15)</sub>: 91 \_\_\_\_\_

MR 0.64 | MDER 0.58 \_\_\_\_\_

## Optical

wide flood square | beam angle 71° \_\_\_\_\_

$\geq$ 65° <3000 cd/m<sup>2</sup> \_\_\_\_\_

PstLM  $\leq$  1.0<sup>1</sup> | SVM  $\leq$  0.4<sup>1</sup> \_\_\_\_\_

## Electrical

DALI-2 \_\_\_\_\_

PC2 | 220-240 V \_\_\_\_\_

system 7.3 W \_\_\_\_\_

system 97 lm/W<sup>2</sup> \_\_\_\_\_

## Physical

trimless \_\_\_\_\_

length 85 mm | width 47 mm | height 51 mm \_\_\_\_\_

0.55 kg \_\_\_\_\_

## Cutout

length 90 mm | width 50 mm \_\_\_\_\_

min. ceiling thickness 12.5 mm | max. ceiling thickness 25 mm \_\_\_\_\_

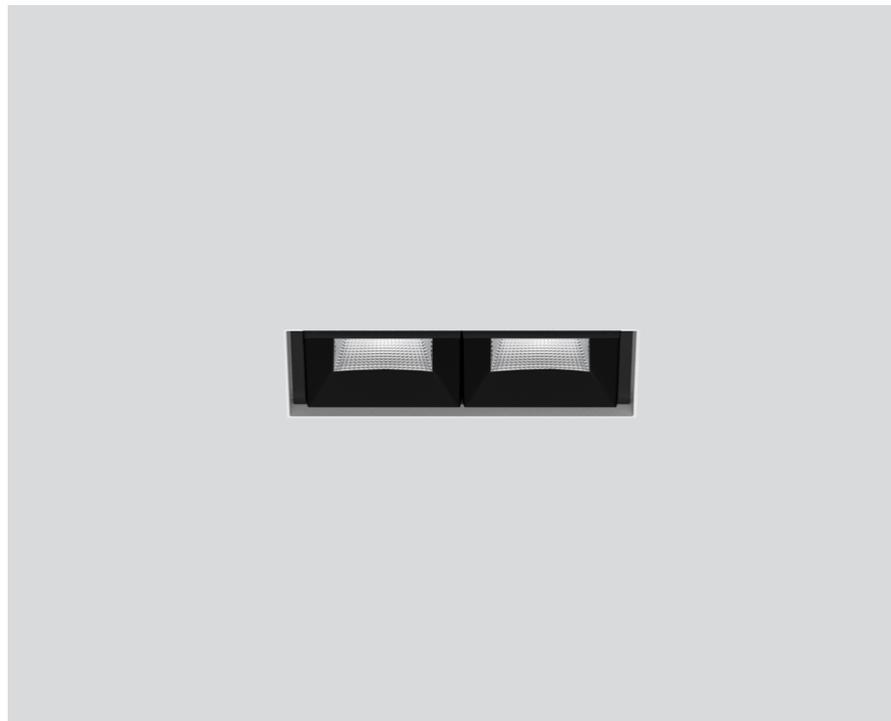
recessed depth 140 mm \_\_\_\_\_

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

## Installation instructions

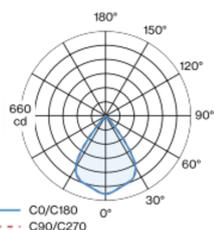


## Lighting calculator

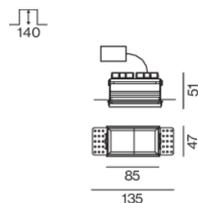


Rectangular recessed multi-downlight made of die-cast aluminium; installation without tools in mounting set due to patented ball catch system; rectangular installation housing; for trimless installation in plasterboard ceilings; suitable for ceiling thickness of 12.5/15/20/25 mm; equipped with two wide flood square light elements; symmetrical light distribution with precise radiation characteristic, beam angle 71°; high quality reflector with micro-faceted, aluminum-vaporised surface; black reflector; passive cooling of the LEDs through improved heat sink geometry; light colour 3000 K; binning initial MacAdam  $\leq$  3 SDCM; CRI  $\geq$  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. DALI-2 converter; 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



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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 Factor

<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
B13	134
B16	166
B20	207
C13	224
C16	282
C20	345

## Components

### MOUNTING SET trimless

TYPE	L-W-H (MM)	ARTICLE NUMBER(S)
for installation in plasterboard ceilings 12.5/15/20/25 mm	85-47-47	090-7L20100



### Mounting accessories

#### MOUNTING SET trimless

TYPE	L-W-H (MM)	ARTICLE NUMBER(S)
for installation in plasterboard ceilings 12.5/15/20/25 mm	85-47-47	090-7L20100



### 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	005-2531110
DALI cable ø 4 – 12 mm, Linect®-Ready	105-58-30	005-2551110



[090-7L253G0B21 090-7L20100] The technical data represent rated values for an ambient temperature of 25°C. The data values for the luminous flux are initially subject to a tolerance of +/- 10%, those for the electrical connected load are initially subject to a tolerance of +/- 10%, and those for the colour temperature are initially subject to a tolerance of +/- 150 K. No liability is assumed for typographical or printing errors. The general terms and conditions of XAL GmbH apply.

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