

# UNICO Q4 basic

trim

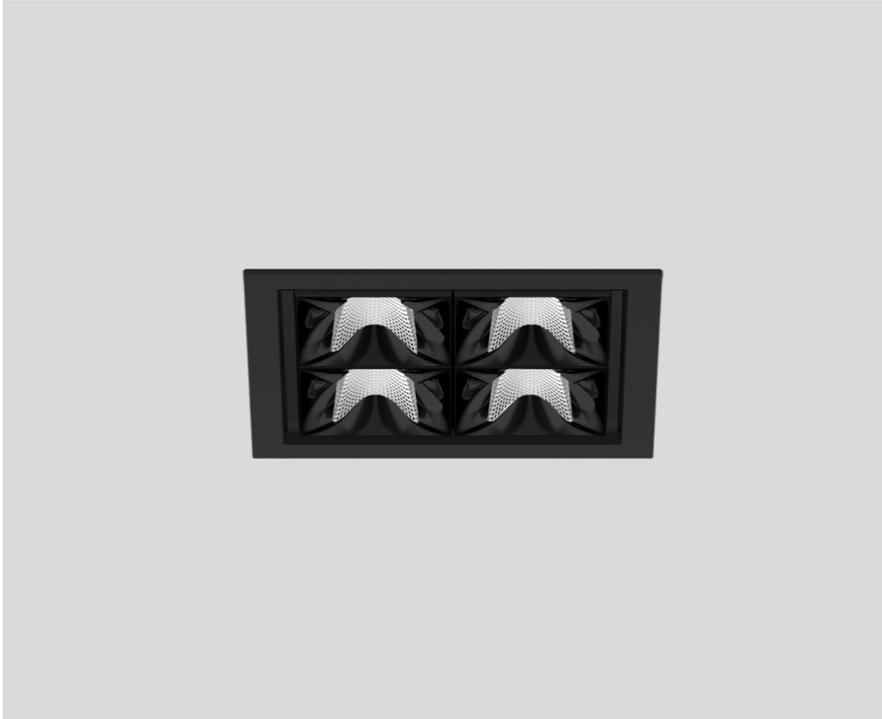
090-7Q451C0B21 090-7Q4020B



Project / Type

Notes

Count / Date



## General

Ceiling , Recessed  
black reflector , RAL 9005 <sup>1</sup>  
Mounting set jet black  
IP20  
1360 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>f(-15)</sub>: 91  
MR 0.64  
MDER 0.58

## Optical

flood round  
beam angle 49°  
UGR < 16 ,  $\geq$ 65° <3000 cd/m<sup>2</sup>  
PstLM  $\leq$  1.0 <sup>2</sup>  
SVM  $\leq$  0.4 <sup>2</sup>

## Electrical

non DIM  
220-240 V  
system 13.1 W  
system 104 lm/W<sup>3</sup>  
PC2

## Physical

trim  
length 101 mm  
width 101 mm  
height 51 mm  
0.43 kg

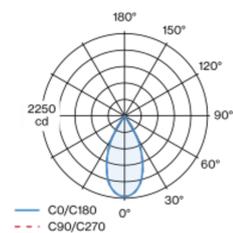
## Cutout

length 90 mm  
width 90 mm  
min. ceiling thickness 2 mm  
max. ceiling thickness 25 mm  
recessed depth 110 mm

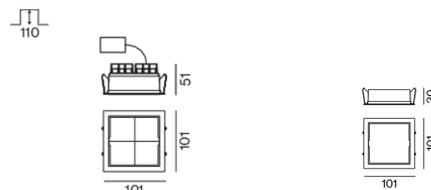
<sup>1</sup> RAL code <sup>2</sup> Value of containing product at full load (undimmed)  
<sup>3</sup> FIXTURE: incl. consideration of optical losses & internal control unit losses SYSTEM: incl. consideration of optical losses, internal control unit losses & operating device efficiency.

Square recessed multi-downlight made of die-cast aluminium; installation without tools in mounting set due to patented ball catch system; square installation housing; with trim jet black; suitable for ceiling thickness of 2-25 mm; equipped with four 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  $\leq$  16; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above 65°  $\leq$  3000 cd/m<sup>2</sup>; 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; 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



## Installation instructions



## Lighting calculator



[090-7Q451C0B21 090-7Q4020B] 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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## 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	18
B16	30
C10	23
C16	36

## Components

### MOUNTING SET with trim

TYPE	COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
for intermediate ceilings	jet black	101-101-30	090-7Q4020B



### Mounting accessories

#### MOUNTING SET with trim

TYPE	COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
for intermediate ceilings	jet black	101-101-30	090-7Q4020B



### 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



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