

UNICO Q4 basic

trim

090-7Q453D0B21 090-7Q4020B



Project / Type

Notes

Count / Date



General

Ceiling | Recessed
black reflector | RAL 9005 ¹
Mounting set jet black
IP20
1350 lm

LED

3000 K
CRI \geq 90
L90 / 50000 h
initial MacAdam \leq 3 SDCM
R_g: 100 | R_f: 92 | R_{f(-15)}: 91
MR 0.64 | MDER 0.58

Optical

wide flood round | beam angle 72°
 \geq 65° <3000 cd/m²
PstLM \leq 1.0 ² | SVM \leq 0.4 ²

Electrical

DALI-2
PC2 | 220-240 V
system 13.1 W
system 103 lm/W ³

Physical

trim
length 101 mm | width 101 mm | height 51 mm
0.45 kg

Cutout

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

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

Installation instructions

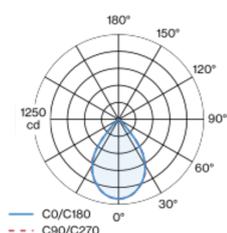


Lighting calculator

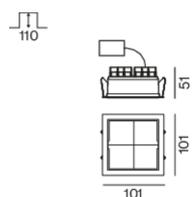


Square recessed multi-downlight made of die-cast aluminium; installation without tools in mounting set due to patented ball catch system; square installation housing; with trim jet black; suitable for ceiling thickness of 2-25 mm; equipped with four wide flood round light elements; symmetrical light distribution with precise radiation characteristic, beam angle 72°; 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; 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 ^a | Room Surface Maintenance Factor |
| MF | Maintenance Factor | LLMF | Lamp Lumens Maintenance Factor |
| LMF ^a | Luminaire Maintenance Factor | LSF | Lamp Survival Factor |

^a 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 | 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 |



[090-7Q453D0B21 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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