

UNICO Q1 basic high efficient

trim

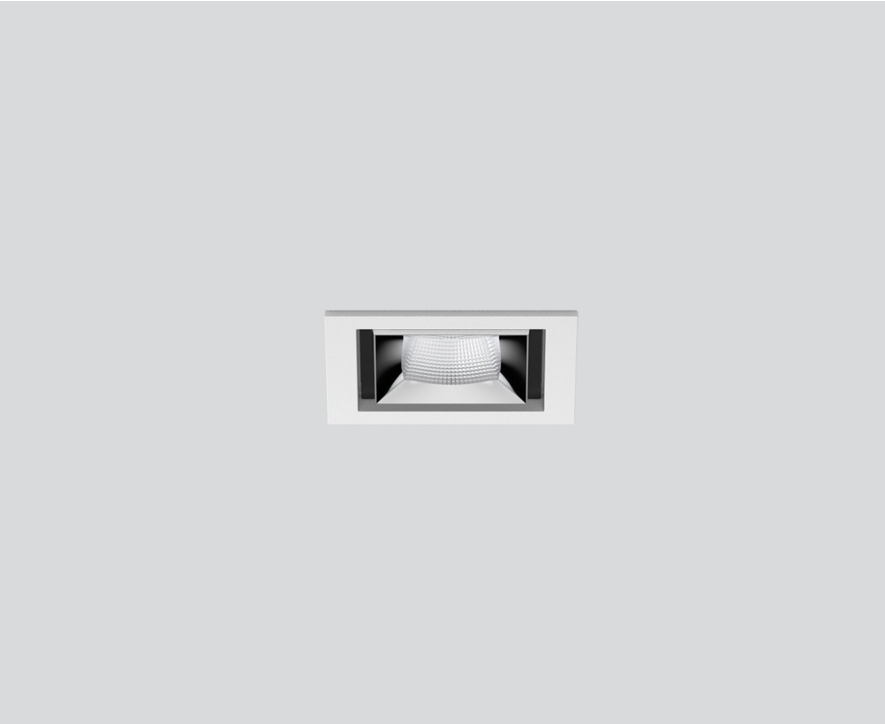
090-7Q111F0031 090-7Q1020W



Project / Type

Notes

Count / Date



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 traffic white; suitable for ceiling thickness of 2-25 mm; equipped with a flood square light element; symmetrical light distribution with precise radiation characteristic, beam angle 54°; high quality reflector with micro-faceted, aluminum-vaporised surface; chrome reflector; UGR ≤ 19; passive cooling of the LEDs through improved heat sink geometry; light colour 4000 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 90; min. 85% 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; light source not replaceable; control gear replaceable by an authorized professional; clank-free;

Light distribution



Product drawing



General

Ceiling | Recessed

chrome reflector

Mounting set traffic white

IP20

497 lm

LED

4000 K

CRI ≥ 90

L85 / 50000 h

initial MacAdam ≤ 3 SDCM

R_g: 99 | R_f: 92 | R_{i(1-15)}: 90

MR 0.81 | MDER 0.74

Optical

flood square | beam angle 54°

UGR ≤ 19

PstLM ≤ 1.0 ¹ | SVM ≤ 0.4 ¹

Electrical

non DIM

PC2 | 220-240 V

system 4.1 W

system 121 lm/W ²

Physical

trim

length 63 mm | width 63 mm | height 51 mm

0.2 kg

Cutout

length 50 mm | width 50 mm

min. ceiling thickness 2 mm | max. ceiling thickness 25 mm

recessed depth 150 mm

¹ Value of containing product at full load (undimmed)
² incl. consideration of optical losses, internal control unit losses and 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	0.982	0.954	0.926	0.899	0.873
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.

Components

MOUNTING SET with trim

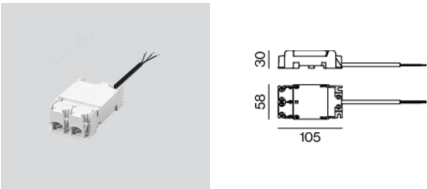
TYPE	COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
for intermediate ceilings	traffic white	63-63-30	090-7Q1020W



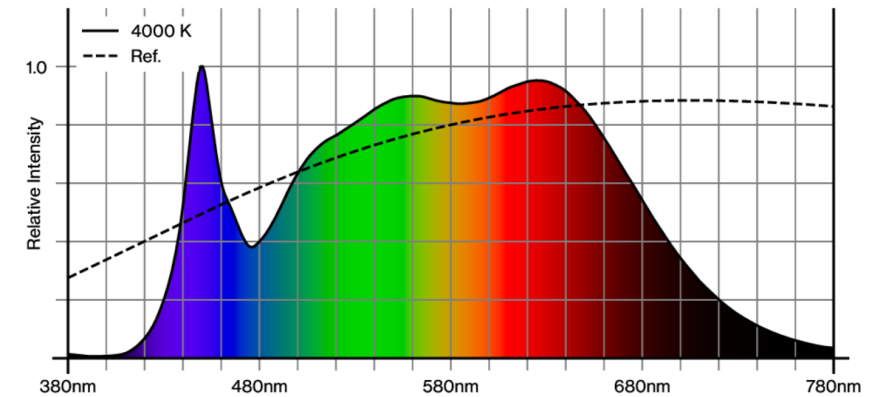
Mounting accessories

THROUGH WIRING CONNECTION BOX

TYPE	L-W-H (MM)	ARTICLE NUMBER(S)
non DIM cable ø 4 – 12 mm	105-58-30	005-2531110
DALI cable ø 4 – 12 mm	105-58-30	005-2551110



Colour rendering



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TM30 colour vector graphic



The black line represents the black body reference. The red line indicates the results of the test light source. The deviation from the test light source to the reference is shown and is marked by arrows. The shorter the arrows, the higher the color rendering.