

UNICO Q9 basic

ceiling

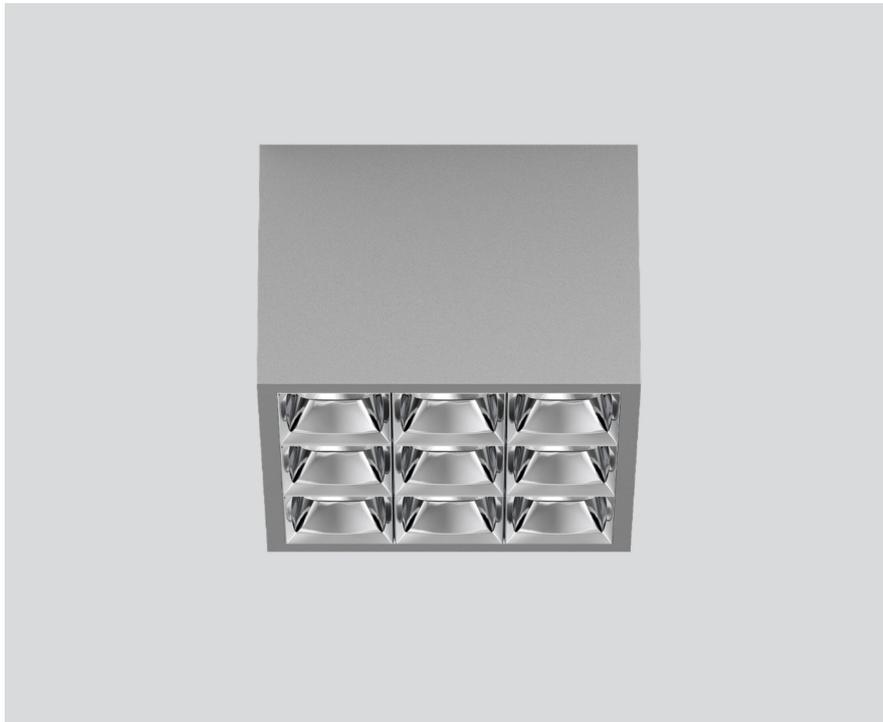
090-1Q951NG001



Project / Type

Notes

Count / Date



General

Ceiling | Surface

white aluminium | RAL 9006 ¹

Reflector chrome

IP20

2220 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

narrow medium round | beam angle 22°

PstLM \leq 1.0 ² | SVM \leq 0.4 ²

Electrical

non DIM | 1 DALI Addr.

PC1 | 220-240 V

system 34 W

system 65 lm/W ³

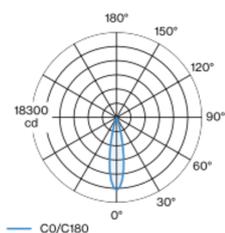
Physical

length 126 mm | width 126 mm | height 90 mm

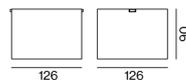
0.75 kg

Square surface mounted multi-downlight made of aluminium; luminaire housing can be attached to mounting plate without tools by interlock; converter integrated into luminaire housing; surface white aluminium powder coated; equipped with nine narrow medium round light elements; symmetrical light distribution with precise radiation characteristic, beam angle 22°; high quality reflector with micro-faceted, aluminum-vaporised surface; Reflector chrome; 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; PC1; 220-240 V; incl. converter, non dimmable; light source not replaceable; control gear replaceable by an authorized professional; clank-free;

Light distribution



Product drawing



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



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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	48
B13	62
B16	76
B20	95
C10	81
C13	104
C16	129
C20	162