

UNICO L4basic

ceiling

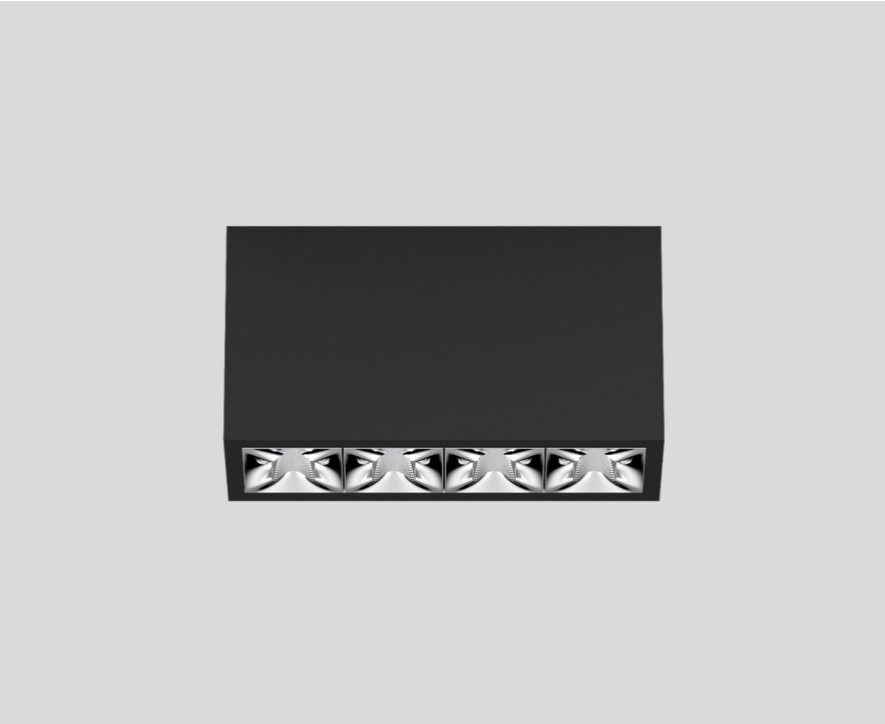
090-1L443BB001



Project / Type _____

Notes _____

Count / Date _____



General

Ceiling , Surface _____

black , RAL9005 ¹ _____

Reflector chrome _____

IP20 _____

1500 lm _____

LED

2700 K _____

CRI ≥ 90 _____

L90 / 50000 h _____

initial MacAdam ≤ 3 SDCM _____

R_g: 101 , R_f: 91 , R_{t(1-15)}: 89 _____

MR 0.56 _____

MDER 0.51 _____

Optical

medium round _____

beam angle 33° _____

UGR < 10 _____

PstLM ≤ 1.0 ² _____

SVM ≤ 0.4 ² _____

Rectangular 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 black powder coated; equipped with four medium round light elements; symmetrical light distribution with precise radiation characteristic, beam angle 33°; high quality reflector with micro-faceted, aluminum-vaporised surface; Reflector chrome; UGR ≤ 10; passive cooling of the LEDs through improved heat sink geometry; light colour 2700 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 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; incl. DALI-2 converter; light source not replaceable; control gear replaceable by an authorized professional; clank-free;

Electrical

DALI-2 _____

19.3 W _____

PC1 _____

78 lm/W _____

Physical

length 164 mm _____

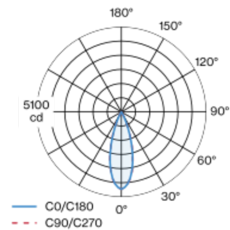
width 51 mm _____

height 90 mm _____

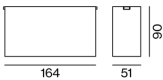
0.55 kg _____

¹ RAL code ² Value of containing product at full load (undimmed)

Light distribution



Product drawing



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 Faktor	

^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	45
B13	59
B16	72
B20	90
C10	77
C13	100
C16	122
C20	153

