

# UNICO Q1basic

ceiling

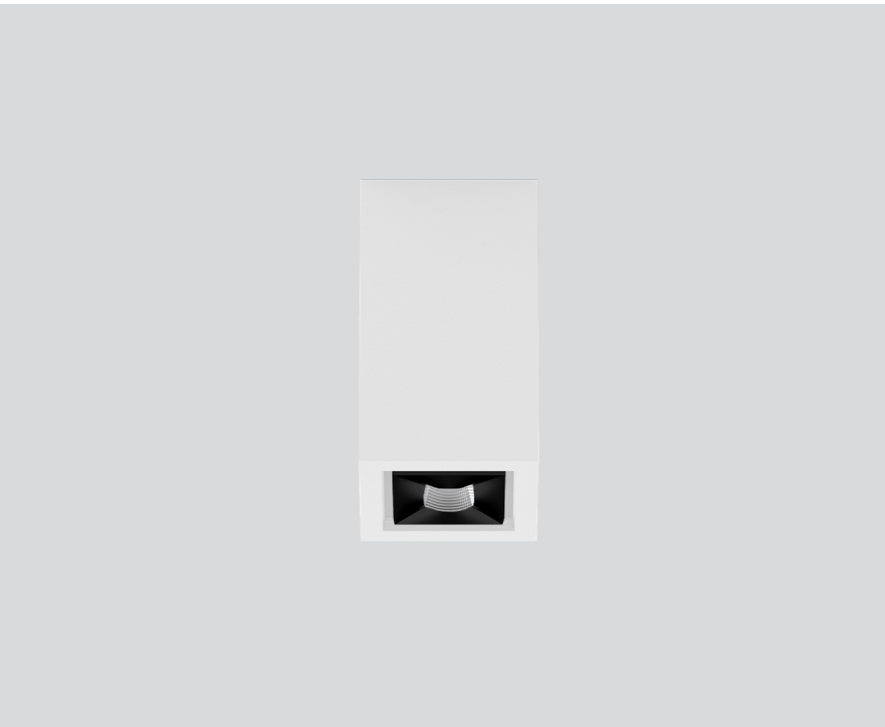
090-1Q141EWB01



Project / Type

Notes

Count / Date



## General

Ceiling , Surface  
white , RAL 9016 <sup>1</sup>  
Reflector black  
IP20  
371 lm

## LED

2700 K  
CRI  $\geq$  90  
L90 / 50000 h  
initial MacAdam  $\leq$  3 SDCM  
R<sub>g</sub>: 101 , R<sub>f</sub>: 91 , R<sub>f(1-15)</sub>: 89  
MR 0.56  
MDER 0.51

## Optical

medium square  
beam angle 32°  
UGR  $\leq$  10  
PstLM  $\leq$  1.0 <sup>2</sup>  
SVM  $\leq$  0.4 <sup>2</sup>

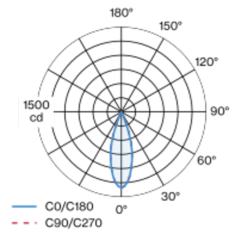
## Electrical

non DIM  
220-240 V  
system 5.7 W  
system 65 lm/W<sup>3</sup>  
PC1

## Physical

length 51 mm  
width 51 mm  
height 90 mm  
0.2 kg

## Light distribution



## Product drawing



<sup>1</sup> RAL code <sup>2</sup> Value of containing product at full load (undimmed)  
<sup>3</sup> 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 <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 Factor	

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

