

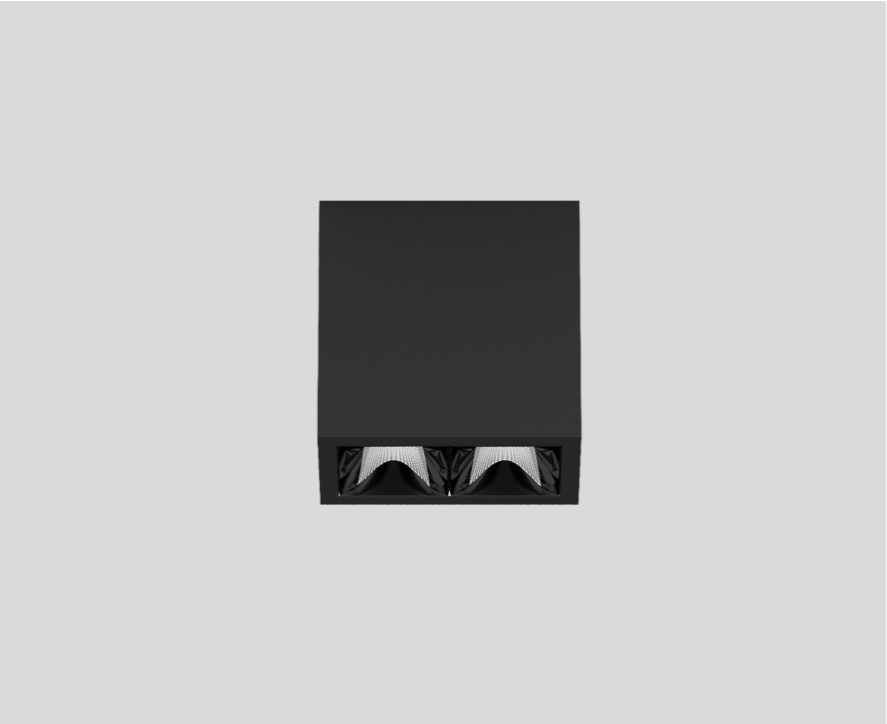
UNICO L2basic

ceiling

090-1L251DBB01



| |
|----------------|
| Project / Type |
| Notes |
| Count / Date |



General

| |
|-------------------------------|
| Ceiling , Surface |
| black , RAL 9005 ¹ |
| Reflector black |
| IP20 |
| 1090 lm |

LED

| |
|--|
| 3000 K |
| CRI ≥ 90 |
| L90 / 50000 h |
| initial MacAdam ≤ 3 SDCM |
| R _g : 100 , R _f : 92 , R _{f(1-15)} : 91 |
| MR 0.64 |
| MDER 0.58 |

Optical

| |
|------------------------------|
| wide flood round |
| beam angle 72° |
| ≥65° <3000 cd/m ² |
| PstLM ≤ 1.0 ² |
| SVM ≤ 0.4 ² |

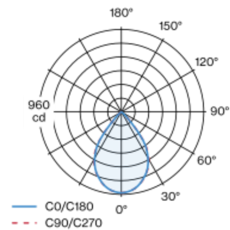
Electrical

| |
|-----------------------------|
| non DIM |
| 220-240 V |
| system 12.6 W |
| system 87 lm/W ³ |
| PC1 |

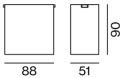
Physical

| |
|--------------|
| length 88 mm |
| width 51 mm |
| height 90 mm |
| 0.35 kg |

Light distribution



Product drawing



¹ RAL code ² Value of containing product at full load (undimmed)
³ FIXTURE: incl. consideration of optical losses & internal control unit losses SYSTEM: 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 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 | 48 |
| B13 | 62 |
| B16 | 76 |
| B20 | 95 |
| C10 | 81 |
| C13 | 104 |
| C16 | 129 |
| C20 | 162 |

