



Project / Type \_\_\_\_\_

Notes \_\_\_\_\_

Count / Date \_\_\_\_\_



### General

Showcase , Recessed \_\_\_\_\_

black , RAL9021 <sup>1</sup> \_\_\_\_\_

IP20 \_\_\_\_\_

Interior \_\_\_\_\_

### LED

4000 K \_\_\_\_\_

CRI ≥ 95 \_\_\_\_\_

photobio. safety RG 1 - low Risk \_\_\_\_\_

initial MacAdam ≤ 3 SDCM \_\_\_\_\_

R<sub>g</sub>: 99 , R<sub>f</sub>: 92 , R<sub>(1-15)</sub>: 89 \_\_\_\_\_

MR 0.76 \_\_\_\_\_

MDER 0.69 \_\_\_\_\_

### Optical

spot \_\_\_\_\_

### Electrical

excl. driver \_\_\_\_\_

24 V \_\_\_\_\_

PC3 24V \_\_\_\_\_

24 V \_\_\_\_\_

### Physical

length 600 mm \_\_\_\_\_

width 9 mm \_\_\_\_\_

height 9 mm \_\_\_\_\_

Miniature linear light inset made of aluminium; tubular design; surface lacquered in black; optionally for recessed or surface mounting (available as an accessory); plug and play electrical connector system for toolless mounting; different connectors for mechanical and electrical connection available - for flexible system design (available as an accessory); fitted with LED light points; light colour 4000 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 95; min. 80% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; light inset rotatable; degree of protection IP20; PC3 24V; photobiological safety according to IEC 62471 risk group RG 1 - low Risk; accessories are listed separately; light source replaceable by an authorized professional;

## Product drawing



<sup>1</sup> RAL code

## Installation instructions





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## Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	0.954	0.915	0.879	0.844	0.81
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 Faktor

<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.