



PROJECT

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TYPE

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NOTES

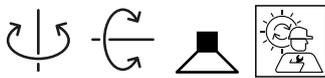
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QUANTITY

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DATE

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## LUMINAIRE

Ceiling \_\_\_\_\_  
 Recessed \_\_\_\_\_  
 tilt max 35 ° \_\_\_\_\_  
 rotation 355 ° \_\_\_\_\_  
 Silver \_\_\_\_\_  
 RAL 9006 <sup>a</sup> \_\_\_\_\_  
 IP20 \_\_\_\_\_  
 Interior \_\_\_\_\_  
 830 lm / 500mA \_\_\_\_\_  
 620 lm / 350mA \_\_\_\_\_

## LED Module

3000 K \_\_\_\_\_  
 CRI ≥ 90 \_\_\_\_\_  
 L80 / 55000h \_\_\_\_\_  
 ≤ 2 SDCM (initial MacAdam) \_\_\_\_\_  
 790 lm / 350mA \_\_\_\_\_  
 132 lm/W <sup>b</sup> \_\_\_\_\_  
 6 W <sup>b</sup> \_\_\_\_\_

## Optical

Asymmetric \_\_\_\_\_  
 beam angle 34° \_\_\_\_\_  
 CIE flux code: 80 100 100 100 \_\_\_\_\_  
 100 \_\_\_\_\_

## Electrical

excl. driver \_\_\_\_\_  
 17 V \_\_\_\_\_  
 Class III \_\_\_\_\_  
 Standard \_\_\_\_\_

## Physical

diameter 94 mm \_\_\_\_\_  
 height 95 mm \_\_\_\_\_  
 0.25 kg \_\_\_\_\_  
 wire springs \_\_\_\_\_

## Cutout

diameter 87-88 mm \_\_\_\_\_  
 min. ceiling thickness 4 mm \_\_\_\_\_  
 max. ceiling thickness 25 mm \_\_\_\_\_  
 recessed depth 100 mm \_\_\_\_\_

## datasheet.quicksum.material

Aluminium \_\_\_\_\_

<sup>a</sup> Colour may deviate slightly due to production conditions

<sup>b</sup> Without electrical and optical losses



## Maintenance Factor

Operating Time [h]	10.000	20.000	30.000	40.000	50.000
LLMF	0.96	0.92	0.88	0.85	0.81
LSF	1	1	1	1	1

$$MF = LMF \times RSMF \times LLMF \times LSF$$

MF Maintenance Factor

RSMF<sup>a</sup> Room Surface 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.

## ELECTRICAL ACCESSORIES

### Driver

Type	Colour	Voltage	L·W·H (MM)	Item number
10W   500mA   11-20V		11-20V	100-43-23	90214405
10W   500mA   13-20V		13-20V	60-39-20	90214406
10W   500mA   12-21V   phase-cut dim		12-21V	115-41-25	90224403
20W   500mA   3-40V   DALI		3-40V	116-40.5-22	90244604
24W   500mA   6-49V   DALI-2		6-49V	143-43-30	90244701

## OTHER ACCESSORIES

### Metal spring clip

Type	Colour	Voltage	Ø (MM)	Item number
MR16   LED   PAR16   max. 12W			59	90019700

### Spring clip

Type	Colour	Voltage	Ø (MM)	Item number
MR16   LED   PAR16   max. 12W	Black		59	900198B0
MR16   LED   PAR16   max. 12W	Gold		59	900198G0
MR16   LED   PAR16   max. 12W	Silver		59	900198S0
MR16   LED   PAR16   max. 12W	White		59	900198W0