



**PROJECT**

**TYPE**

**NOTES**

**QUANTITY**

**DATE**



**GENERAL**

Ceiling  
Recessed  
tilt max 35 °  
rotation 355 °  
Gold  
IP20  
Interior  
CIE flux code: 80 100 100 100 100

**OUTPUT**

350mA  
430 lm  
8.4 W  
  
500mA  
640 lm  
12.5 W

**LED**

colour warm dimming  
2000 K - 3000 K  
CRI ≥ 90  
L70 / 50000h  
initial MacAdam ≤ 3 SDCM

**OPTICAL**

Asymetric  
beam angle 38°

**ELECTRICAL**

excl. driver  
17 V  
inset 6.1 / 9.0 W  
Class 3

**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



## Maintenance Factor

| Operating Time [h] | 10.000 | 20.000 | 30.000 | 40.000 | 50.000 |
|--------------------|--------|--------|--------|--------|--------|
| LLMF               | 0.95   | 0.91   | 0.86   | 0.82   | 0.77   |
| LSF                | 1      | 1      | 1      | 1      | 1      |

MF LMF × RSMF × LLMF × LSF

MF Maintenance Factor

LMF<sup>a</sup> Luminaire Maintenance Factor

RSMF<sup>a</sup> Room Surface Maintenance Factor

LLMF Lamp Lumens 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                                 | Voltage | L·W·H (MM)  | Item number |
|--------------------------------------|---------|-------------|-------------|
| 10W   500mA   11-20V                 | 11-20V  | 100-43-23   | 90214405    |
| 10W   500mA   13-20V                 | 13-20V  | 65-39-20    | 90214406    |
| 10W   500mA   3-20V   phase-cut dim  | 3-20V   | 102-49-29   | 90224402    |
| 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                          | Ø (MM) | Item number |
|-------------------------------|--------|-------------|
| MR16   LED   PAR16   max. 12W | 59     | 90019700    |

### Spring clip

| Type                          | Colour | 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    |