

# ARY cable suspended

canopy trim

049-5111418M 005-3521018 002-90732



Project / Type

Notes

Count / Date



### General

Ceiling , Suspended

black , RAL9005 <sup>1</sup>

Canopy jet black

IP20

642 lm

### LED

2700 K

CRI ≥ 90

L90 / 50000 h

initial MacAdam ≤ 3 SDCM

R<sub>g</sub>: 99 , R<sub>r</sub>: 91 , R<sub>t(1-15)</sub>: 89

MR 0.54

MDER 0.49

### Optical

medium

beam angle 25°

PstLM ≤ 1.0 <sup>2</sup>

SVM ≤ 0.4 <sup>2</sup>

### Electrical

non DIM

11.2 W

PC2 220-240V

57 lm/W

### Physical

suspension 1500 mm

diameter 47 mm

height 110 mm

0.47 kg

### Cutout

diameter 65 mm

min. ceiling thickness 2 mm

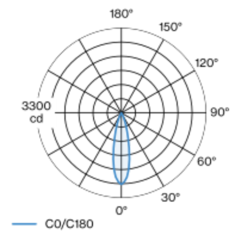
max. ceiling thickness 25 mm

recessed depth 70 mm

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

Decorative suspended luminaire in aluminium; surface black powder coated; pendant fitting with 1500mm suspension, incl. feed (black), can be individually shortened; shades available as accessory in RAL colours velvet beige, madeira brown, kingfisher grey, woodpecker olive, signal white or signal black; accessories are listed separately; passive cooling of the LEDs through improved heat sink geometry; with COB (Chip on Board) technology for maximum efficiency; no appearance of multiple shadows; light colour 2700 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 90; min. 90% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; good glare control through recessed light point level; incl. high quality lens system; precise radiation characteristic with 25° beam; degree of protection IP20; PC2 220-240V; ceiling recessed canopy with trim jet black; suitable for ceiling thickness of 2-25 mm; incl. converter, non dimmable; external converter for ceiling insertion; light source not replaceable; control gear replaceable by an authorized professional;

### Light distribution



medium 25°

| h (m) | E0° (lx) | ø (m) |
|-------|----------|-------|
| 1     | 2780     | 0.44  |
| 2     | 690      | 0.89  |
| 3     | 310      | 1.33  |
| 4     | 170      | 1.78  |
| 5     | 110      | 2.22  |

### Product drawing



### Installation instructions



### Lighting calculator



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## Maintenance Factors

| Operating Time [h] | 10 000                       | 20 000 | 30 000  | 40 000 | 50 000 |
|--------------------|------------------------------|--------|---|--------|--------|
| LLMF               | 0.97                         | 0.96   | 0.95  | 0.93   | 0.92   |
| 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.

## Circuit Breaker Types

| Automatic Circuit Breaker Type | Number of Fixtures |
|--------------------------------|--------------------|
| B10                            | 57                 |
| B13                            | 75                 |
| B16                            | 92                 |
| B20                            | 115                |
| C10                            | 57                 |
| C13                            | 75                 |
| C16                            | 92                 |
| C20                            | 115                |

## Components

### MOUNTING SET with trim

|           |        |                   |
|-----------|--------|-------------------|
| COLOUR    | Ø (MM) | ARTICLE NUMBER(S) |
| jet black | 77     | 005-3521018       |

### POWER SUPPLY

|            |                   |
|------------|-------------------|
| L-W-H (MM) | ARTICLE NUMBER(S) |
| 65-39-20   | 002-90732         |

## Mounting accessories

### RING CEILING MOUNTED

|               |        |                   |
|---------------|--------|-------------------|
| COLOUR        | Ø (MM) | ARTICLE NUMBER(S) |
| traffic white | 50     | 050-0510217       |
| jet black     | 50     | 050-0510218       |

## Optional electrical accessories

### DIN RAIL POWER SUPPLY

|            |                   |
|------------|-------------------|
| L-W-H (MM) | ARTICLE NUMBER(S) |
| 72-90-63   | 005-6520210       |

### DIN RAIL LED DRIVER

|                                |            |                   |
|--------------------------------|------------|-------------------|
| TYPE                           | L-W-H (MM) | ARTICLE NUMBER(S) |
| DALI-2   200-1050 mA   2 x 42W | 36-88-59   | 005-6121030       |

## Other accessories

### SPECIAL MOUNTING TOOL

|  |        |                   |
|--|--------|-------------------|
| TYPE   | Ø (MM) | ARTICLE NUMBER(S) |
| necessary to install mounting housing trimless | 100    | 063-8912110       |



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## Optical accessories

### SHADE 300

| COLOUR           | Ø (MM) | ARTICLE NUMBER(S) |
|------------------|--------|-------------------|
| signal black     | 300    | 049-593311B       |
| velvet beige     | 300    | 049-593311C       |
| woodpecker olive | 300    | 049-593311G       |
| kingfisher grey  | 300    | 049-593311L       |
| madeira brown    | 300    | 049-593311T       |
| signal white     | 300    | 049-593311W       |



### SHADE 400

| COLOUR           | Ø (MM) | ARTICLE NUMBER(S) |
|------------------|--------|-------------------|
| signal black     | 400    | 049-593411B       |
| velvet beige     | 400    | 049-593411C       |
| woodpecker olive | 400    | 049-593411G       |
| kingfisher grey  | 400    | 049-593411L       |
| madeira brown    | 400    | 049-593411T       |
| signal white     | 400    | 049-593411W       |



### SHADE 500

| COLOUR           | Ø (MM) | ARTICLE NUMBER(S) |
|------------------|--------|-------------------|
| signal black     | 500    | 049-593511B       |
| velvet beige     | 500    | 049-593511C       |
| woodpecker olive | 500    | 049-593511G       |
| kingfisher grey  | 500    | 049-593511L       |
| madeira brown    | 500    | 049-593511T       |
| signal white     | 500    | 049-593511W       |

