

# SONIC direct / indirect asymmetric power

free standing centric pole

059-7941557P



Project / Type

Notes

Count / Date



## General

Floor , Standing

white , RAL 9010 <sup>1</sup>

IP20

indirect 9840 lm

direct 4260 lm

total 14100 lm

## LED

3000 K

CRI  $\geq$  80

L90 / 50000 h

initial MacAdam  $\leq$  3 SDCM

MR 0.54

MDER 0.49

## Optical

Microprismatic

microprismatic

UGR  $<$  16

PstLM  $\leq$  1.0 <sup>2</sup>

SVM  $\leq$  0.4 <sup>2</sup>

## Electrical

touch DIM

220-240 V

system 105 W

system 134 lm/W<sup>3</sup>

PC1

## Physical

centric pole 2050 mm

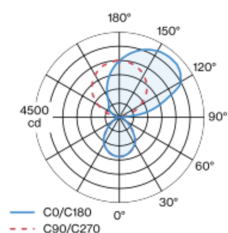
diameter 500 mm

height 2102 mm

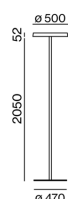
17.9 kg

Free standing luminaire with conical luminaire head in die-cast aluminium; round pedestal with recess for table stand; round aluminium upright tube aligned centre; surface white powder coated; direct/indirect illumination characteristic; indirect component with special, inclined PCBs for asymmetric radiation characteristic; indirect component covered with clear acrylic glass; direct lighting portion: micro prismatic PMMA cover; perfectly uniform illumination through use of a diffuse polycarbonate-based film; better light dispersion to transparency ratio; UGR  $\leq$  16; light colour 3000 K; binning initial MacAdam  $\leq$  3 SDCM; CRI  $\geq$  80; min. 90% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; degree of protection IP20; PC1; 220-240 V; including TOUCH DIM control for individual control of the brightness; incl. connection cable (3m) with safety plug; sound absorbing accessories available: acoustic elements made of high quality, self-supporting, at least 50 % recycled PET felt (high acoustic performance by doubling the material) or as an acoustically effective lampshade (large selection of colours) with sound absorbing properties; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

## Light distribution



## Product drawing



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

<sup>3</sup> 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



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## Maintenance Factors

| Operating Time [h] | 10 000                       | 20 000 | 30 000            | 40 000                          | 50 000 |
|--------------------|------------------------------|--------|-------------------|---------------------------------|--------|
| LLMF               | 0.98                         | 0.95   | 0.93              | 0.91                            | 0.9    |
| 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                            | 21                 |
| B13                            | 27                 |
| B16                            | 29                 |
| C10                            | 35                 |
| C13                            | 45                 |
| C16                            | 57                 |

## Acoustic accessories

### ABSORBER RING

| COLOUR      | Ø (MM) | ARTICLE NUMBER(S) |
|-------------|--------|-------------------|
| marble grey | 1280   | 059-771111D       |
| black       | 1280   | 059-771111L       |
| white       | 1280   | 059-771111W       |



### SOUNDCAP

| COLOUR                   | Ø (MM) | ARTICLE NUMBER(S) |
|--------------------------|--------|-------------------|
| marble grey              | 527    | 059-773111D       |
| felt grey                | 527    | 059-773111G       |
| black                    | 527    | 059-773111L       |
| white                    | 527    | 059-773111W       |
| acoustic special colours | 527    | 059-773111X       |

