

# SONIC switch direct / indirect

free standing excentric pole  
059-7922517P



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

Notes \_\_\_\_\_

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



## General

Floor , Standing \_\_\_\_\_  
white , RAL 9010 <sup>1</sup> \_\_\_\_\_  
IP20 \_\_\_\_\_  
indirect 4940 lm \_\_\_\_\_  
direct 5000 lm \_\_\_\_\_  
total 9940 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  $<$  19 \_\_\_\_\_  
PstLM  $\leq$  1.0 <sup>2</sup> \_\_\_\_\_  
SVM  $\leq$  0.4 <sup>2</sup> \_\_\_\_\_

## Electrical

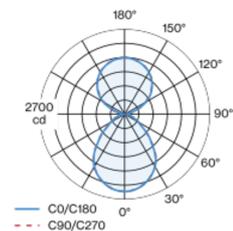
non DIM switch \_\_\_\_\_  
220-240 V \_\_\_\_\_  
system 69 W \_\_\_\_\_  
system 144 lm/W<sup>3</sup> \_\_\_\_\_  
PC1 \_\_\_\_\_

## Physical

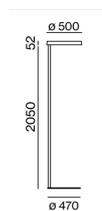
excentric pole 2050 mm \_\_\_\_\_  
diameter 500 mm \_\_\_\_\_  
height 2102 mm \_\_\_\_\_  
18.5 kg \_\_\_\_\_

Free standing luminaire with conical luminaire head in die-cast aluminium; round pedestal with recess for table stand; round aluminium upright tube aligned off-centre; surface white powder coated; direct/indirect illumination characteristic; indirect light component with special PCBs for increased luminous flux and maximum ceiling illumination; 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  $\leq$  19; 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; incl. converter, non dimmable; 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	34
B20	42
B25	53
C10	35
C13	45
C16	57
C20	70
C25	88