

# SONIC sensor direct / indirect asymmetric power

free standing centric pole  
059-794157XP



Project / Type

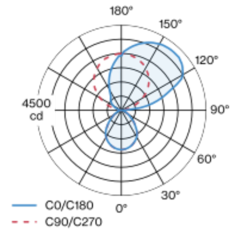
Notes

Count / Date

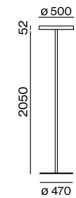


Free standing luminaire with conical luminaire head in die-cast aluminium; round pedestal with recess for table stand; round aluminium upright tube aligned centre; surface special colours powder coated; direct/indirect illumination characteristic; indirect component with special, inclined PCBs for asymmetric 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 220-240V; photobiological safety according to IEC 62471 risk group RG 0 - no Risk; luminaire with integrated infrared presence and brightness sensor (ESSENTIAL sensor); automatic light control for individually adjustable brightness; variable automatic shutdown; including TOUCH DIM control for individual control of the brightness; presence sensor detection range  $\varnothing 4,5\text{m}$  on the floor; incl. connection cable (3m) with safety plug; sound absorbing accessories available: acoustic elements made of high quality, self-supporting, 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



## General

Floor , Standing

special colours

IP20

indirect 9840 lm

direct 4260 lm

total 14100 lm

## LED

3000 K

CRI  $\geq 80$

L90 / 50000 h

photobio. safety RG 0 - no Risk

initial MacAdam  $\leq 3$  SDCM

MR 0.54

MDER 0.49

## Optical

Microprismatic

microprismatic

UGR  $< 16$

PstLM  $\leq 1.0$ <sup>1</sup>

SVM  $\leq 0.4$ <sup>1</sup>

## Electrical

ESSENTIAL sensor (brightness & presence)

105 W

PC1 220-240V

134 lm/W

## Physical

centric pole 2050 mm

diameter 500 mm

height 2102 mm

19.8 kg

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

## 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

