

SONIC sensor direct / indirect asymmetric power

free standing excentric pole
059-7942577P



Project / Type _____
Notes _____
Count / Date _____



General

Floor , Standing _____
white , RAL9010 ¹ _____
IP20 _____
indirect 9840 lm _____
direct 4260 lm _____
total 14100 lm _____

LED

3000 K _____
CRI ≥ 80 _____
L90 / 50000 h _____
photobio. safety RG 0 - no Risk _____
initial MacAdam ≤ 3 SDCM _____
MR 0.54 _____
MDER 0.49 _____

Optical

Microprismatic _____
microprismatic _____
UGR < 16 _____
PstLM ≤ 1.0 ² _____
SVM ≤ 0.4 ² _____

Electrical

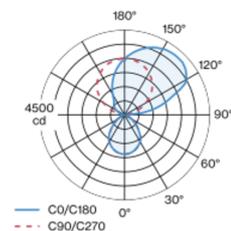
ESSENTIAL sensor (brightness & presence) _____
system 105 W _____
PC1 220-240V _____
system 134 lm/W³ _____

Physical

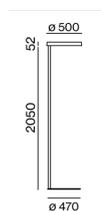
excentric pole 2050 mm _____
diameter 500 mm _____
height 2102 mm _____
17.8 kg _____

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 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 ≤ 16; light colour 3000 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 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 ø4,5m 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



¹ RAL code ² Value of containing product at full load (undimmed)
³ incl. optical losses and the efficiency of the operating device (converter)

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 ^a	Room Surface Maintenance Factor
MF	Maintenance Factor	LLMF	Lamp Lumens Maintenance Factor
LMF ^a	Luminaire Maintenance Factor	LSF	Lamp Survival Faktor

^a 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