

# TASK 450 square direct / indirect power

suspended

059-2231137K



Project / Type	
Notes	
Count / Date	



## General

Ceiling , Suspended
white , RAL 9010 <sup>1</sup>
IP20
indirect 1570 lm
direct 3100 lm
total 4670 lm

## LED

4000 K
CRI ≥ 90
L90 / 50000 h
initial MacAdam ≤ 3 SDCM
R <sub>g</sub> : 96 , R <sub>f</sub> : 90 , R <sub>t(1-15)</sub> : 87
MR 0.75
MDER 0.68

## Optical

Microprismatic
microprismatic
UGR < 19
P <sub>stLM</sub> ≤ 1.0 <sup>2</sup>
SVM ≤ 0.4 <sup>2</sup>

## Electrical

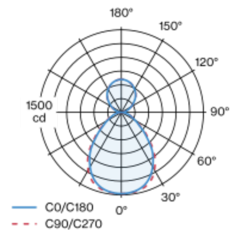
DALI-2
220-240 V
system 35 W
system 133 lm/W <sup>3</sup>
PC1
1 DALI Addr.

## Physical

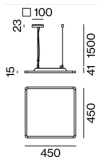
cable 1500 mm
length 450 mm
width 450 mm
height 41 mm
4.2 kg

square luminaire housing with rounded edges in aluminium; extremely flat design (only 15mm); modern shape in an elegant design for high demands; surface white powder coated; suspended luminaire with 1500mm cable suspension (4 cables); with integrated toolless suspension height adjustment on the luminaire; incl. feed (white); direct light distribution through LGP body (Light Guiding Prism); side coupled light directed downwards by laser engraving; light control via highly reflective reflector material; indirect light component with special PCBs for increased luminous flux and maximum ceiling illumination; microprismatic PMMA cover; completely homogeneous illumination; same light density for all surface lights with the same components; UGR ≤ 19; light colour 4000 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 90; min. 90% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; canopy with 2 cable openings and plug-in terminal for through wiring; degree of protection IP20; PC1; 220-240 V; internal wiring in light halogen free; incl. DALI-2 converter; sound absorbing accessories available; 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



## Lighting calculator



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## Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	0.98	0.97	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	9
B13	13
B16	15
B20	18
C10	18
C13	26
C16	30
C20	36

## Acoustic accessories

### TASK ACOUSTIC inlay TASK angular suspended

COLOUR	L·W·H (MM)	ARTICLE NUMBER(S)
marble grey	1155-1155-30	059-579716D
felt grey	1155-1155-30	059-579716G
black	1155-1155-30	059-579716L
white	1155-1155-30	059-579716W
acoustic special colours	1155-1155-30	059-579716X

