

# TASK 450 square direct / indirect power

suspended

059-2231038K



Project / Type

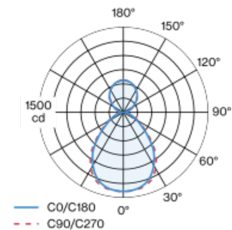
Notes

Count / Date

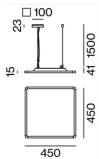


square luminaire housing with rounded edges in aluminium; extremely flat design (only 15mm); modern shape in an elegant design for high demands; surface black powder coated; suspended luminaire with 1500mm cable suspension (4 cables); with integrated toolless suspension height adjustment on the luminaire; incl. feed (black); 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;  $UGR \leq 19$ ; light colour 3000 K; binning initial MacAdam  $\leq 3$  SDCM;  $CRI \geq 90$ ; 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



## General

Ceiling , Suspended

black , RAL 9005 <sup>1</sup>

IP20

indirect 1470 lm

direct 2910 lm

total 4380 lm

## LED

3000 K

$CRI \geq 90$

L90 / 50000 h

initial MacAdam  $\leq 3$  SDCM

$R_g: 96, R_f: 90, R_{f(1-15)}: 90$

MR 0.61

MDER 0.56

## Optical

Microprismatic

microprismatic

$UGR \leq 19$

$P_{stLM} \leq 1.0^2$

$SVM \leq 0.4^2$

## Electrical

DALI-2

220-240 V

system 35 W

system 125 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

<sup>1</sup> RAL code <sup>2</sup> Value of containing product at full load (undimmed)  
<sup>3</sup> 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 Factor	

<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

