TASK 450 square surface DIRECT

059-2141037K

PROJECT	
TYPE	
NOTES	
QUANTITY	
DATE	

GENERAL

Ceiling / Wall
Surface
white
IP20
1880 lm
RAL9010 [a]

LED

3000 K
CRI ≥ 90
R_g: 96, R_f: 90, R_{1-15}: 90
L90 / 50000 h
photobio. safety RG 0 - no Risk
initial MacAdam ≤ 3 SDCM
MR 0.61
MDER 0.56

OPTICAL

Microprismatic
UGR < 19
≥65° <3000 cd/m²

PHYSICAL

4.3 kg

ELECTRICAL

DALI-2
15 W
125 lm/W
1 DALI Addr.
PC1 220-240V

[a] RAL Palette colors may deviate slightly due to production conditions.

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; suitable for wall or ceiling mounting; convenient quick mounting system without tools; direct light distribution through LGP body (Light Guiding Prism); side coupled light directed downwards by laser engraving; light control via highly reflective reflector material; microprismatic PMMA cover; completely homogeneous illumination; same light density for all surface lights with the same components; UGR ≤ 19; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above 65° ≤ 3000 cd/m²; light colour 3000 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 90; min. 90% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; luminaire with 2 cable openings and plug-in terminals for through wiring; degree of protection IP20; PC1 220-240V; photobiological safety according to IEC 62471 risk group RG 0 - no Risk; 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

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Circuit Breaker Types

Automatic Circuit Breaker Type	Number of Fixtures
B10	21
B13	28
B16	35
B20	44
C10	35
C13	46
C16	58
C20	73

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[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.

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