

# TASK S sensor direct / indirect power

suspended

059-526417XK



Project / Type

Notes

Count / Date



### General

Ceiling , Suspended

special colours

IP20

indirect 1640 lm

direct 2010 lm

total 3650 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>(1-15)</sub>: 87

MR 0.75

MDER 0.68

### Optical

Microprismatic

microprismatic

UGR ≤ 16 , ≥65° <3000 cd/m²

P<sub>st</sub>LM ≤ 1.0<sup>1</sup>

SVM ≤ 0.4<sup>1</sup>

Rectangular luminaire housing with rounded edges in aluminium; extremely flat (only 15mm) and slim (only 180mm) design; modern shape in an elegant design for high demands; surface special colours powder coated; suspended luminaire with 1500mm cable suspension; 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 ≤ 16; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above 65° ≤ 3000 cd/m²; 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; luminaire with integrated infrared presence and brightness sensor (ESSENTIAL sensor); automatic light control for individually adjustable brightness; variable automatic shutdown; cable feed out to contact a push-button (230 VAC) to override the sensor; sound absorbing accessories available; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

### Electrical

ESSENTIAL sensor (brightness & presence)

220-240 V

system 29.6 W

system 123 lm/W<sup>2</sup>

PC1

### Physical

cable 1500 mm

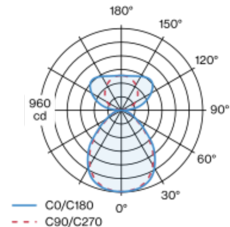
length 1189 mm

width 180 mm

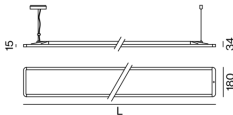
height 34 mm

4.5 kg

### Light distribution



### Product drawing



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



# TASK S sensor direct / indirect power

suspended  
059-526417XK



Project / Type

Notes

Count / Date

## 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	12
B13	16
B16	20
B20	25
C10	20
C13	27
C16	34
C20	41

