

# TASK S sensor direct / indirect power

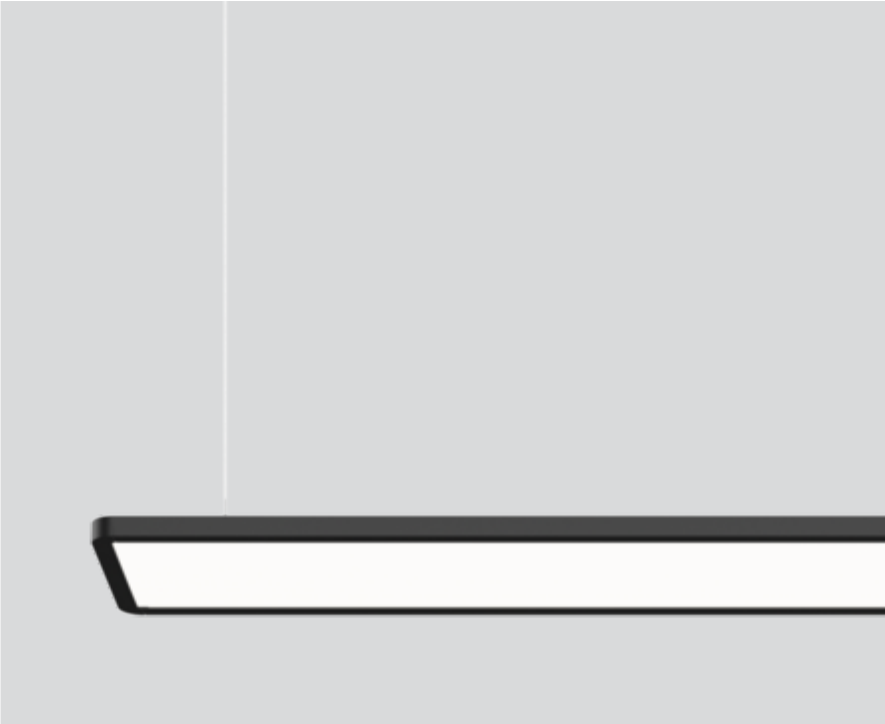
suspended  
059-5264178K



Project / Type

Notes

Count / Date



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 black powder coated; suspended luminaire with 1500mm cable suspension; 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  $\leq 16$ ; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above 65°  $\leq 3000$  cd/m<sup>2</sup>; light colour 4000 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; 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;



General

Ceiling | Suspended

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

IP20

indirect 1640 lm | direct 2010 lm

total 3650 lm

LED

4000 K

CRI  $\geq 90$

L90 / 50000 h

initial MacAdam  $\leq 3$  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  $\leq 16$  |  $\geq 65^\circ$   $< 3000$  cd/m<sup>2</sup>

PstLM  $\leq 1.0$  <sup>2</sup> | SVM  $\leq 0.4$  <sup>2</sup>

Electrical

stand alone ESSENTIAL sensor

brightness & presence

PC1 | 220-240 V

system 29.6 W

system 123 lm/W <sup>3</sup>

Physical

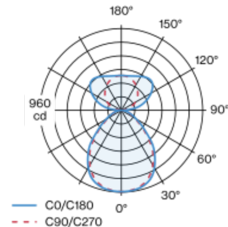
cable 1500 mm

length 1189 mm | width 180 mm | height 34 mm

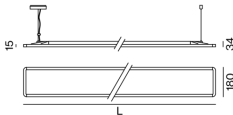
4.5 kg

<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

## Light distribution



## Product drawing



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

