

TASK S sensor direct / indirect TW power

suspended
059-52D8178K

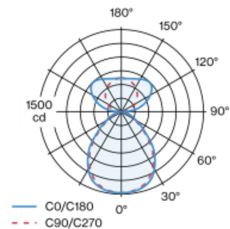


| |
|----------------|
| Project / Type |
| Notes |
| Count / Date |



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, separately controllable; 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 $65^\circ \leq 3000 \text{ cd/m}^2$; light colour direct light component: 4000 K; light colour indirect light component: tunable white diodes (2700-6500 K); binning initial MacAdam $\leq 3 \text{ SDCM}$; 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;

Light distribution



Product drawing



General

| |
|-------------------------------|
| Ceiling , Suspended |
| black , RAL 9005 ¹ |
| IP20 |
| indirect 2460 lm |
| direct 3110 lm |
| total 5570 lm |

LED

| |
|----------------------------------------------------------------------|
| 4000 K |
| CRI ≥ 90 |
| L90 / 50000 h |
| initial MacAdam $\leq 3 \text{ SDCM}$ |
| R _g : 99 , R _f : 92 , R ₍₁₋₁₅₎ : 90 |
| MR 0.81 |
| MDER 0.74 |

Optical

| |
|-------------------------------------------------------|
| Microprismatic |
| microprismatic |
| UGR ≤ 16 , $\geq 65^\circ < 3000 \text{ cd/m}^2$ |
| P _{stLM} ≤ 1.0 ² |
| SVM ≤ 0.4 ² |

Electrical

| |
|------------------------------------------|
| ESSENTIAL sensor (brightness & presence) |
| 220-240 V |
| system 45 W |
| system 124 lm/W ³ |
| PC1 |

Physical

| |
|----------------|
| cable 1500 mm |
| length 2324 mm |
| width 180 mm |
| height 34 mm |

¹ RAL code ² Value of containing product at full load (undimmed)
³ 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 | 0.96 | 0.94 | 0.92 | 0.9 |
| 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 Factor | |

^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.

Circuit Breaker Types

| Automatic Circuit Breaker Type | Number of Fixtures |
|--------------------------------|--------------------|
| B10 | 6 |
| B13 | 8 |
| B16 | 10 |
| B20 | 12 |
| C10 | 10 |
| C13 | 13 |
| C16 | 17 |
| C20 | 20 |

