

# TASK S linear sensor direct / indirect TW power

suspended system

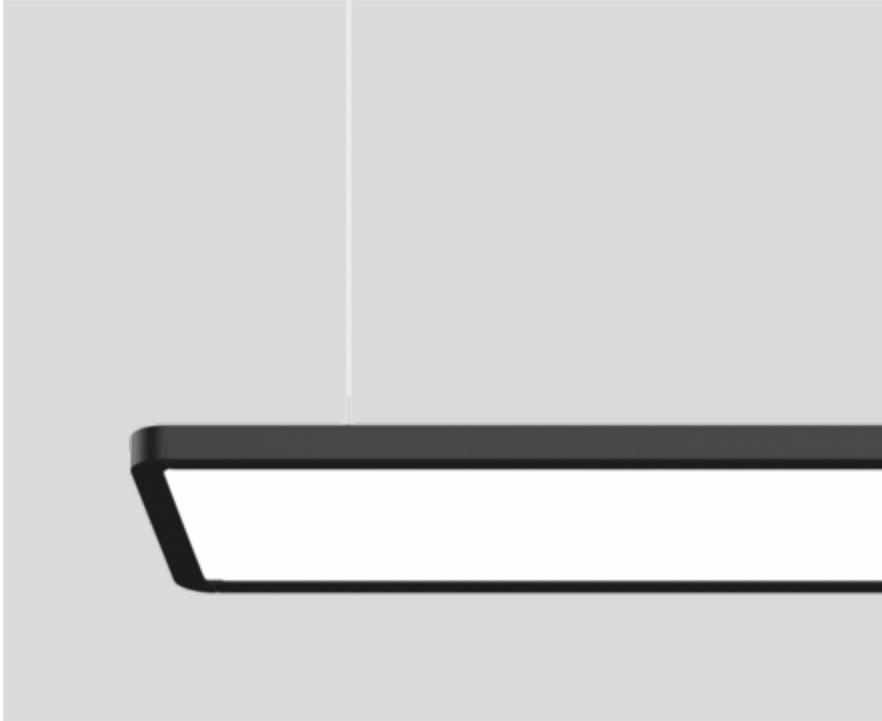
059-57D5078K



Project / Type

Notes

Count / Date



## General

Ceiling , Suspended

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

IP20

indirect 2590 lm

direct 3890 lm

total 6480 lm

## LED

3000 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>: 90

MR 0.61

MDER 0.56

## Optical

Microprismatic

microprismatic

UGR < 19

P<sub>stLM</sub> ≤ 1.0 <sup>2</sup>

SVM ≤ 0.4 <sup>2</sup>

## Electrical

DALI-2 sensor

220-240 V

system 61 W

system 106 lm/W<sup>3</sup>

PC1

3 DALI Addr.

## Physical

length 1457 mm

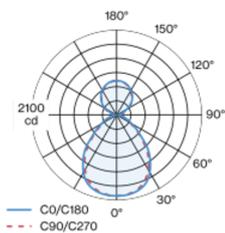
width 180 mm

height 34 mm

3.5 kg

Luminaire housing made of aluminium with rounded edges; extremely flat (only 15mm) and slim (only 180mm) design; modern shape in an elegant design for high demands; for continuous lighting systems; surface black powder coated; with integrated toolless suspension height adjustment on the luminaire; 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; 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 ≤ 19; light colour direct light component: 3000 K; light colour indirect light component: tunable white diodes (2700-6500 K); binning initial MacAdam ≤ 3 SDCM; CRI ≥ 90; min. 90% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; degree of protection IP20; PC1; 220-240 V; internal wiring in light halogen free; incl. DALI-2 converter; luminaire with integrated DALI-2 infrared presence and brightness sensor (DALI-2 controller required); automatic light control of luminaire to individually adjustable brightness; variable automatic shutdown; sound absorbing accessories available; accessories are listed separately; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

## Light distribution



## Product drawing



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

<sup>3</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



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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 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                 |

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## Mounting accessories

### LINEAR CONNECTOR

| TYPE                    | COLOUR     | ARTICLE NUMBER(S) |
|-------------------------|------------|-------------------|
| mechanical & electrical | pure white | 059-2792317       |
| mechanical & electrical | jet black  | 059-2792318       |
| mechanical              | pure white | 059-2792417       |
| mechanical              | jet black  | 059-2792418       |



### CORNER CONNECTOR

| TYPE                          | COLOUR     | ARTICLE NUMBER(S) |
|-------------------------------|------------|-------------------|
| 90°   mechanical & electrical | pure white | 059-2792717       |
| 90°   mechanical & electrical | jet black  | 059-2792718       |
| 90°   mechanical              | pure white | 059-2792817       |
| 90°   mechanical              | jet black  | 059-2792818       |



### SYSTEM CONNECTOR

| TYPE   | COLOUR     | L-W-H (MM) | ARTICLE NUMBER(S) |
|--|------------|------------|-------------------|
| L 800 mm   mechanical & electrical           | pure white | 800-36-18  | 059-2792327       |
| L 800 mm   mechanical & electrical           | jet black  | 800-36-18  | 059-2792328       |
| L 1200 mm   mechanical & electrical          | pure white | 1200-36-18 | 059-2792337       |
| L 1200 mm   mechanical & electrical          | jet black  | 1200-36-18 | 059-2792338       |
| L 1200 mm   mechanical & electrical cuttable | pure white | 1200-36-18 | 059-2792307       |
| L 1200 mm   mechanical & electrical cuttable | jet black  | 1200-36-18 | 059-2792308       |
| L 2400 mm   mechanical & electrical cuttable | pure white | 2400-36-18 | 059-2792347       |
| L 2400 mm   mechanical & electrical cuttable | jet black  | 2400-36-18 | 059-2792348       |



### CABLE SUSPENSION

| COLOUR     | ARTICLE NUMBER(S) |
|------------|-------------------|
| pure white | 059-2792127       |



### END PIECE

| TYPE                   | COLOUR     | ARTICLE NUMBER(S) |
|------------------------|------------|-------------------|
| incl. cable suspension | pure white | 059-2792117       |
| incl. cable suspension | jet black  | 059-2792118       |



### POWER FEEDER

| TYPE                    | COLOUR     | L-W-H (MM)  | ARTICLE NUMBER(S) |
|-------------------------|------------|-------------|-------------------|
| 5 x 1,5 mm <sup>2</sup> | pure white | 106-36-1500 | 059-2792217       |
| 5 x 1,5 mm <sup>2</sup> | jet black  | 106-36-1500 | 059-2792218       |



### MIDDLE POWER FEEDER

| TYPE                    | COLOUR     | L-W-H (MM)   | ARTICLE NUMBER(S) |
|-------------------------|------------|--------------|-------------------|
| 5 x 1,5 mm <sup>2</sup> | pure white | 100-100-1500 | 059-2792517       |
| 5 x 1,5 mm <sup>2</sup> | jet black  | 100-100-1500 | 059-2792518       |

