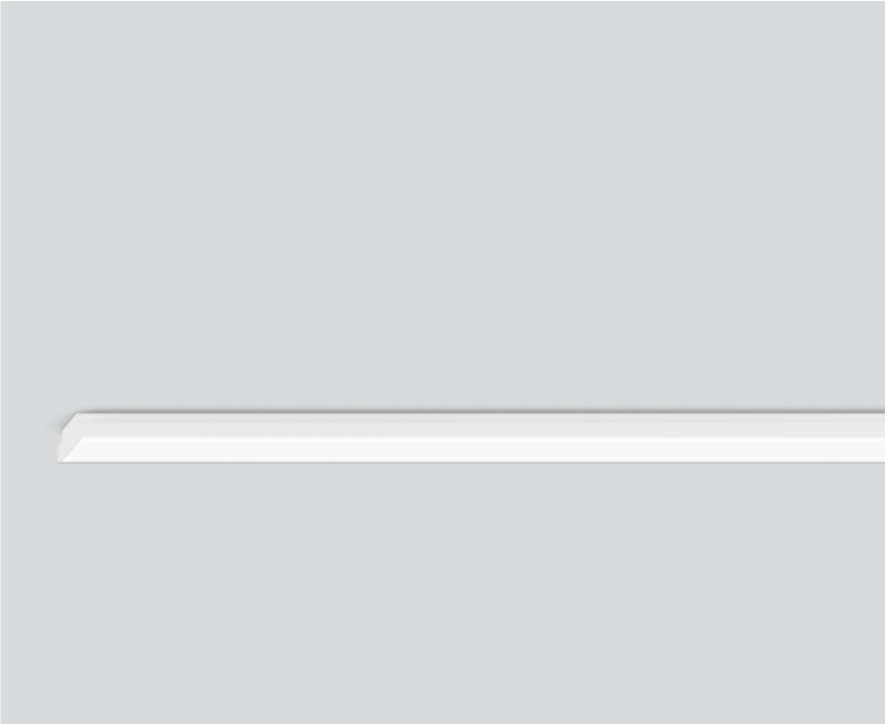


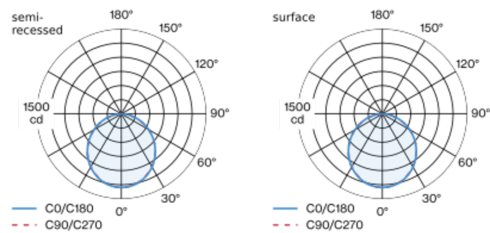


|                |
|----------------|
| Project / Type |
| Notes          |
| Count / Date   |

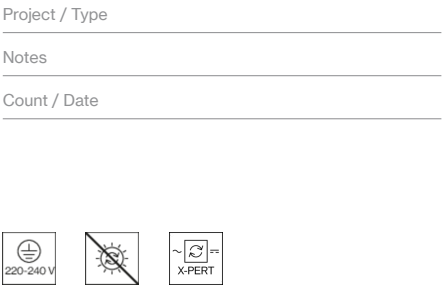
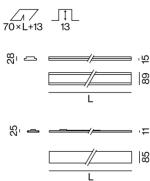


Low profile recessed mounted luminaire, 15 mm visible height or low profile surface mounted luminaire, 28 mm total height; converter integrated into luminaire housing; suitable for wall or ceiling mounting; suitable for installation in primed or exposed concrete, in plasterboard constructions and in plastered walls or ceilings; for continuous lighting systems; surface white powder coated; fall-safe light inset made of extruded aluminium profile, can be inserted in the canal without tools by magnetic holders; side coupled light directed downward through LGP (LIGHT GUIDING PRISM) body and high efficiency reflector; HPO (High Performance Opal) cover for uniform illumination; flush cover; light colour 3000 K; binning initial MacAdam  $\leq 3$  SDCM; CRI  $\geq 80$ ; min. 90% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; degree of protection from below IP40 (from above IP20); PC1; 220-240 V; internal wiring in light halogen free; incl. DALI-2 converter; accessories are listed separately; light source not replaceable; control gear replaceable by an authorized professional;

Light distribution



Product drawing



General

|   |
|---|
| Ceiling / Wall   Semi-Recessed <sup>1</sup> -Surface <sup>2</sup> |
| white   RAL 9010 <sup>3</sup>                                     |
| front IP40 <sup>1</sup> -IP20 <sup>2</sup>   back IP20            |
| 3670 lm   |
| 2010 lm/m   |
| traffic white   |

LED

|                               |
|-------------------------------|
| 3000 K                        |
| CRI $\geq 80$                 |
| L90 / 50000 h                 |
| initial MacAdam $\leq 3$ SDCM |
| MR 0.54   MDER 0.49           |

Optical

|   |
|---|
| High Performance Opal   opal (lambertsch)                           |
| PstLM $\leq 1.0$ <sup>1 2 4</sup>   SVM $\leq 0.4$ <sup>1 2 4</sup> |

Electrical

|                              |
|------------------------------|
| DALI-2   1 DALI Addr.        |
| PC1   220-240 V              |
| system 28.6 W                |
| system 128 lm/W <sup>5</sup> |
| 16 W/m                       |

Physical

|   |
|---|
| length 1830 mm   width 89 mm   height 28 mm |
| 4.3 kg                                      |

Cutout

|                                |
|--------------------------------|
| length 1843 mm   width 70 mm   |
| min. ceiling thickness 12.5 mm |
| recessed depth 13 mm           |

<sup>1</sup> semi-recessed <sup>2</sup> surface <sup>3</sup> RAL code  
<sup>4</sup> Value of containing product at full load (undimmed)  
<sup>5</sup> incl. consideration of optical losses, internal control unit losses & operating device efficiency

Installation instructions





Project / Type

Notes

Count / Date

## Maintenance Factors

| Operating Time [h] | 10 000                       | 20 000 | 30 000            | 40 000                          | 50 000 |
|--------------------|------------------------------|--------|-------------------|---------------------------------|--------|
| LLMF               | 0.98                         | 0.95   | 0.93              | 0.91                            | 0.9    |
| 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                            | 18                 |
| B13                            | 24                 |
| B16                            | 30                 |
| B20                            | 37                 |
| C10                            | 31                 |
| C13                            | 40                 |
| C16                            | 51                 |
| C20                            | 62                 |

## Components

### INSTALLATION CHANNEL semi-recessed / surface

| COLOUR        | L·W·H (MM) | ARTICLE NUMBER(S) |
|---------------|------------|-------------------|
| traffic white | 1830-89-28 | 051-8920187       |



## Mounting accessories

### END CAPS semi-recessed

| COLOUR     | ARTICLE NUMBER(S) |
|------------|-------------------|
| pure white | 051-8992217       |
| jet black  | 051-8992218       |



## Mounting accessories

### LINEAR CONNECTOR semi-recessed / surface

| TYPE     | ARTICLE NUMBER(S) |
|----------|-------------------|
| 1 pair   | 051-8992110       |
| 10 pairs | 051-8992110:10    |



### POWER FEEDER CONNECTOR

| ARTICLE NUMBER(S) |
|-------------------|
| 051-8992330       |



## Other accessories

### DISMOUNTING TOOL

| TYPE       | ARTICLE NUMBER(S) |
|------------|-------------------|
| vacuum cup | 086-30000         |

