

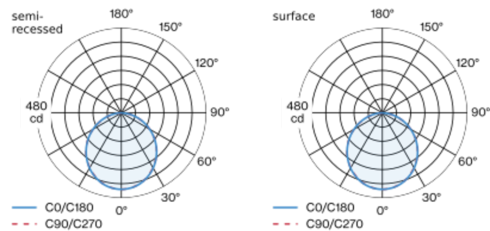


|                |
|----------------|
| Project / Type |
| Notes          |
| Count / Date   |

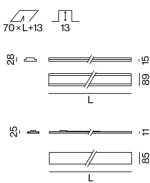


Low profile recessed mounted luminaire, 15 mm visible height or low profile surface mounted luminaire, 28 mm total height; converter integrated into luminaire housing; suitable for wall or ceiling mounting; suitable for installation in primed or exposed concrete, in plasterboard constructions and in plastered walls or ceilings; for continuous lighting systems; surface black 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; 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 , Surface <sup>1</sup> -Semi-Recessed <sup>2</sup> |
| black , RAL 9005 <sup>3</sup>                                     |
| jet black   |
| front IP20 <sup>1</sup> -IP40 <sup>2</sup> , back IP20            |
| 1220 lm   |
| 2000 lm/m   |

|                               |
|-------------------------------|
| 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                       |
| 220-240 V                    |
| system 10.8 W                |
| system 113 lm/W <sup>5</sup> |
| PC1                          |
| 1 DALI Addr.                 |
| 18 W/m                       |

|               |
|---------------|
| Physical      |
| length 613 mm |
| width 89 mm   |
| height 28 mm  |
| 1.8 kg        |

|                                |
|--------------------------------|
| Cutout                         |
| length 626 mm                  |
| width 70 mm                    |
| min. ceiling thickness 12.5 mm |
| recessed depth 13 mm           |

<sup>1</sup> surface <sup>2</sup> semi-recessed <sup>3</sup> RAL code  
<sup>4</sup> Value of containing product at full load (undimmed)  
<sup>5</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





Project / Type

Notes

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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

MF

LMF<sup>a</sup>

LMF × RSMF × LLMF × LSF

Maintenance Factor

Luminaire Maintenance Factor

RSMF<sup>a</sup>

LLMF

LSF

Room Surface Maintenance Factor

Lamp Lumens Maintenance Factor

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                            | 18                 |
| B13                            | 24                 |
| B16                            | 30                 |
| B20                            | 37                 |
| C10                            | 31                 |
| C13                            | 40                 |
| C16                            | 51                 |
| C20                            | 62                 |

Components

INSTALLATION CHANNEL

|           |            |                   |
|-----------|------------|-------------------|
| COLOUR    | L-W-H (MM) | ARTICLE NUMBER(S) |
| jet black | 613-89-28  | 051-8920068       |



Mounting accessories

END CAPS

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



Mounting accessories

LINEAR CONNECTOR

|          |                   |
|----------|-------------------|
| 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         |

