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



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|--------------------------------|
| General |
| Ceiling / Wall , Semi-Recessed |
| white , RAL 9010 ¹ |
| front IP40 , back IP20 |
| 3890 lm |
| 2130 lm/m |

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|--------------------------|
| LED |
| 4000 K |
| CRI ≥ 80 |
| L90 / 50000 h |
| initial MacAdam ≤ 3 SDCM |
| MR 0.72 |
| MDER 0.66 |

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|--------------------------|
| Optical |
| High Performance Opal |
| opal (lamberts) |
| PstLM ≤ 1.0 ² |
| SVM ≤ 0.4 ² |

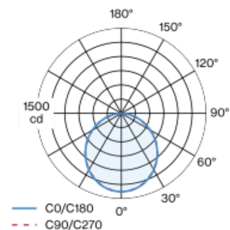
| |
|------------------------------|
| Electrical |
| DALI-2 |
| 220-240 V |
| system 28.6 W |
| system 136 lm/W ³ |
| PC1 |
| 1 DALI Addr. |
| 16 W/m |

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|-----------------|
| Physical |
| length 1835 mm |
| width 89 mm |
| height 28 mm |
| 5.4 kg |

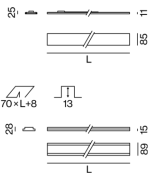
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|--------------------------------|
| Cutout |
| length 1843 mm |
| width 70 mm |
| min. ceiling thickness 12.5 mm |
| recessed depth 13 mm |

Low profile recessed mounted luminaire, 15 mm visible height; converter integrated into luminaire housing; suitable for installation in primed or exposed concrete, in plasterboard constructions and in plastered walls or ceilings; suitable for wall or ceiling mounting; 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 4000 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 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; light source not replaceable; control gear replaceable by an authorized professional;

Light distribution



Product drawing



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



LENO opal

semi-recessed
051-8516637H



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

Other accessories

DISMOUNTING TOOL

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

