

FRAME 60 high lumen

trim system

007-93M8637 006-16232H 035-02537



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



General

| | |
|-------------------------------|--|
| Ceiling , Recessed | |
| white , RAL 9016 ¹ | |
| IP20 | |
| 6290 lm | |
| 2680 lm/m | |

LED

| | |
|--------------------------|--|
| 4000 K | |
| CRI ≥ 80 | |
| L90 / 50000 h | |
| initial MacAdam ≤ 3 SDCM | |
| MR 0.72 | |
| MDER 0.65 | |

Optical

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

Electrical

| | |
|------------------------------|--|
| DALI-2 | |
| 220-240 V | |
| system 45 W | |
| system 140 lm/W ³ | |
| PC1 | |
| 1 DALI Addr. | |
| 19 W/m | |

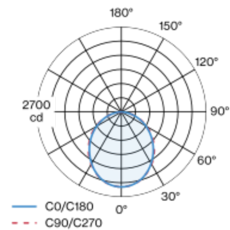
Physical

| | |
|----------------|--|
| trim | |
| length 2344 mm | |
| width 77 mm | |
| height 78 mm | |
| 5.3 kg | |

Cutout

| | |
|-----------------------------|--|
| length 2360 mm | |
| width 66 mm | |
| min. ceiling thickness 8 mm | |
| max. ceiling thickness 8 mm | |
| recessed depth 108 mm | |

Light distribution



Product drawing



¹ RAL code ² Value of containing product at full load (undimmed)
³ 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 | 0.96 | 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 Faktor | |

^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 | 7 |
| B13 | 10 |
| B16 | 12 |
| B20 | 14 |
| C10 | 10 |
| C13 | 20 |
| C16 | 24 |
| C20 | 28 |

Components

LIGHT OPTIC COVER

| | |
|-----------------------|-------------------|
| TYPE | ARTICLE NUMBER(S) |
| opal high performance | 006-16232H |

INSTALLATION CHANNEL

| | | |
|---------------|------------|-------------------|
| COLOUR | L-W-H (MM) | ARTICLE NUMBER(S) |
| traffic white | 2344-77-76 | 035-02537 |

Mounting accessories

END CAPS

| | | |
|--------|-----------------|-------------------|
| TYPE | COLOUR | ARTICLE NUMBER(S) |
| 1 pair | traffic white | 035-13137 |
| 1 pair | white aluminium | 035-1313G |

Mounting accessories

LINEAR CONNECTOR

| | |
|-----------|-------------------|
| TYPE | ARTICLE NUMBER(S) |
| 1 piece | 005-40046 |
| 10 pieces | 005-40046.10 |

OPAL COVER LINEAR CONNECTOR

| |
|-------------------|
| ARTICLE NUMBER(S) |
| 006-14000 |



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Mounting accessories

MOUNTING BRACKET

| TYPE | ARTICLE NUMBER(S) |
|-----------|-------------------|
| 1 piece | 035-10200 |
| 25 pieces | 035-10200.25 |



Electrical accessories

THROUGH WIRE

| TYPE | ARTICLE NUMBER(S) |
|-------------------------------------|-------------------|
| 3 x 1,5 mm ² 10 pieces | 004-90003 |
| 5 x 1,5 mm ² 10 pieces | 004-90005 |

