



Project / Type _____

Notes _____

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Decorative suspended luminaire in aluminium; surface polished chrome, brushed aluminium or powder coated; pendant fitting with suspension, incl. feed (black or white); can be individually shortened; round ceiling surface mounted canopy (black or white) optionally for two to five lamps or two to ten lamps fittings; or linear ceiling surface mounted canopy (black or white) optionally for two to five lamps fittings; high quality plano-convex glass lens; energy-efficient LEDs with very good colour rendering; canopy for through wiring; converter included in canopy; ceiling mounting rings for multiple positioning of the luminaire in the room available as accessory



General

traffic white | RAL 9016 ¹ _____

Cable jet black _____

IP20 _____

385 lm _____

LED

4000 K _____

CRI ≥ 90 _____

L80 / 50000 h _____

initial MacAdam ≤ 2 SDCM _____

R_g: 98 | R_f: 90 | R_{f[1-15]}: 88 _____

MR 0.8 | MDER 0.72 _____

Optical

wide flood | beam angle 67° _____

PstLM ≤ 1.0 ² | SVM ≤ 0.4 ² _____

Electrical

PC3 | 220-240 V _____

system 3.3 W | fixture 2.5 W _____

system 117 lm/W ³ | fixture 157 lm/W ⁴ _____

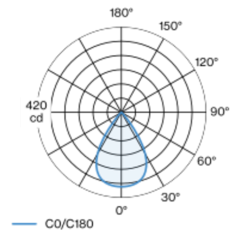
300 mA _____

Physical

diameter 60 mm | height 60 mm _____

cable length 2500 mm _____

Light distribution



wide flood 67°

| h (m) | EO ² (lx) | ø (m) |
|-------|----------------------|-------|
| 1 | 366 | 1.31 |
| 2 | 91 | 2.63 |
| 3 | 41 | 3.94 |
| 4 | 23 | 5.26 |
| 5 | 15 | 6.57 |

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
⁴ incl. consideration of optical losses & internal control unit losses



Maintenance Factors

| Operating Time [h] | 10 000 | 20 000 | 30 000 | 40 000 | 50 000 |
|--------------------|------------------------------|--------|-------------------|---------------------------------|--------|
| LLMF | 0.964 | 0.923 | 0.884 | 0.847 | 0.811 |
| 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 |
| B16 | 30 |
| C10 | 23 |
| C16 | 36 |

Mounting accessories

CANOPY multi linear

| TYPE | COLOUR | L-W-H (MM) | ARTICLE NUMBER(S) |
|------------|---------------|------------|-------------------|
| 2-5 insets | traffic white | 1000-34-50 | 005-2692037 |
| 2-5 insets | jet black | 1000-34-50 | 005-2692038 |
| 2-5 insets | traffic white | 1000-34-50 | 005-2692097 |
| 2-5 insets | jet black | 1000-34-50 | 005-2692098 |



Mounting accessories

CANOPY WITH SLOTS multi round

| TYPE | COLOUR | Ø (MM) | ARTICLE NUMBER(S) |
|-------------|---------------|--------|-------------------|
| 2-5 insets | traffic white | 380 | 005-2690037 |
| 2-5 insets | jet black | 380 | 005-2690038 |
| 2-5 insets | traffic white | 380 | 005-2690097 |
| 2-5 insets | jet black | 380 | 005-2690098 |
| 2-10 insets | traffic white | 380 | 005-2690137 |
| 2-10 insets | jet black | 380 | 005-2690138 |
| 2-10 insets | traffic white | 380 | 005-2690197 |
| 2-10 insets | jet black | 380 | 005-2690198 |



Mounting accessories

CANOPY WITHOUT SLOTS multi round

| TYPE | COLOUR | Ø (MM) | ARTICLE NUMBER(S) |
|-------------|---------------|--------|-------------------|
| 2-5 insets | traffic white | 380 | 005-2691037 |
| 2-5 insets | jet black | 380 | 005-2691038 |
| 2-5 insets | traffic white | 380 | 005-2691097 |
| 2-5 insets | jet black | 380 | 005-2691098 |
| 2-10 insets | traffic white | 380 | 005-2691137 |
| 2-10 insets | jet black | 380 | 005-2691138 |
| 2-10 insets | traffic white | 380 | 005-2691197 |
| 2-10 insets | jet black | 380 | 005-2691198 |



NOBA 60

multi suspended
049-54161178W



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HOOK surface

| COLOUR | Ø (MM) | ARTICLE NUMBER(S) |
|---------------|--------|-------------------|
| traffic white | 16 | 030-1000017 |
| jet black | 16 | 030-1000018 |

