

VARO 80 S

track

180-6422237M



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



General

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|-------------------------------|
| Ceiling , Track |
| tilt max 90° |
| rotation 355° |
| white , RAL 9016 ¹ |
| IP20 |
| 2830 lm |

LED

| |
|--|
| 3500 K |
| CRI ≥ 90 |
| L80 / 50000 h |
| initial MacAdam ≤ 2 SDCM |
| R _g : 99 , R _f : 92 , R ₍₁₋₁₅₎ : 93 |
| MR 0.61 |
| MDER 0.55 |

Optical

| |
|--------------------------|
| medium |
| beam angle 27° |
| PstLM ≤ 1.0 ² |
| SVM ≤ 0.4 ² |

Track light made of die-cast aluminium; surface white powder coated; 355° rotatable and 90° tiltable; integrated converter in the plastic adapter; passive cooling of the LEDs through improved heat sink geometry; with COB (Chip on Board) technology for maximum efficiency; no appearance of multiple shadows; light colour 3500 K; binning initial MacAdam ≤ 2 SDCM; CRI ≥ 90; min. 80% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; including high quality aluminium reflector with spherical reflector; high gloss anodised; neutral colour reflection through absolute freedom from interference colour; for brilliant object staging; precise radiation characteristic with 27° beam; installed and exchanged without tools; optical attachments available as accessories; optical attachments can be combined; accessories are listed separately; degree of protection IP20; PC2; 220-240 V; incl. DALI-2 converter; adapter for toolless insertion or movement on a variety of 3-phase power tracks; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

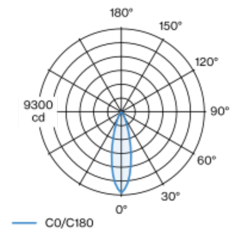
Electrical

| |
|------------------------------|
| DALI-2 |
| 220-240 V |
| system 21.1 W |
| system 134 lm/W ³ |
| PC2 |
| 1 DALI Addr. |

Physical

| |
|----------------|
| diameter 87 mm |
| height 80 mm |
| 0.5 kg |

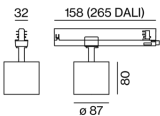
Light distribution



medium 27°

| h (m) | EO° (lx) | ø (m) |
|-------|----------|-------|
| 1 | 9070 | 0.49 |
| 2 | 2270 | 0.97 |
| 3 | 1010 | 1.46 |
| 4 | 570 | 1.95 |
| 5 | 360 | 2.43 |

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



Lighting calculator



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Maintenance Factors

| Operating Time [h] | 10 000 | 20 000 | 30 000 | 40 000 | 50 000 |
|--------------------|------------------------------|--------|-------------------|---------------------------------|--------|
| LLMF | 0.977 | 0.94 | 0.905 | 0.871 | 0.838 |
| 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 |
|--------------------------------|--------------------|
| B16 | 27 |
| C16 | 44 |

Optical accessories

HONEYCOMB LOUVER

| | |
|--------|-------------------|
| Ø (MM) | ARTICLE NUMBER(S) |
| 75 | 080-640118 |



Optical accessories

LINEAR PRISMATIC LENS

| | |
|--------|-------------------|
| Ø (MM) | ARTICLE NUMBER(S) |
| 75 | 080-6402110P |



Optical accessories

SNOOT

| TYPE | Ø (MM) | ARTICLE NUMBER(S) |
|--------|--------|-------------------|
| short | 66 | 080-6403118 |
| medium | 66 | 080-6403218 |
| angle | 66 | 080-6403318 |

