

VARO 80 S

track
180-6422018F



Project / Type _____

Notes _____

Count / Date _____



220-240V

355°

X-PERT

X-PERT

General

Ceiling , Track

tilt max 90°

rotation 355°

black , RAL9005 ¹

IP20

2760 lm

LED

3000 K

CRI ≥ 90

L80 / 50000 h

initial MacAdam ≤ 2 SDCM

Optical

flood

beam angle 39°

PstLM ≤ 1.0 ²

SVM ≤ 0.4 ²

Electrical

non DIM

21.1 W

PC2 220-240V

131 lm/W

Physical

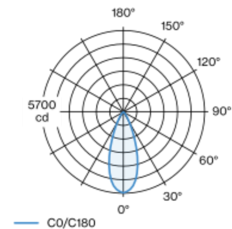
diameter 87 mm

height 80 mm

0.6 kg

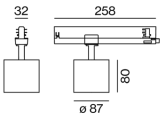
Track light made of die-cast aluminium; surface black powder coated; 355° rotatable and 90° tiltable; integrated converter in the plastic adapter; passive cooling of the LEDs through improved heat sink geometry; with COB (Chip on Board) technology for maximum efficiency; no appearance of multiple shadows; light colour 3000 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 39° 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 220-240V; incl. converter, non dimmable; 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;

Light distribution



| flood 39° | | | |
|-----------|----------|-------|--|
| h (m) | E0° (lx) | ø (m) | |
| 1 | 5670 | 0.70 | |
| 2 | 1420 | 1.40 | |
| 3 | 630 | 2.10 | |
| 4 | 350 | 2.80 | |
| 5 | 230 | 3.50 | |

Product drawing



Installation instructions



Lighting calculator



[180-6422018F] The technical data represent rated values for an ambient temperature of 25°C. The data values for the luminous flux are initially subject to a tolerance of +/- 10%, those for the electrical connected load are initially subject to a tolerance of +/- 10%, and those for the colour temperature are initially subject to a tolerance of +/- 150 K. No liability is assumed for typographical or printing errors. The general terms and conditions of XAL GmbH apply.
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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 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 | 17 |
| B13 | 21 |
| B16 | 27 |
| B20 | 33 |
| C10 | 28 |
| C13 | 36 |
| C16 | 44 |
| C20 | 55 |

Optical accessories

HONEYCOMB LOUVER

| | |
|--------|-------------------|
| Ø (MM) | ARTICLE NUMBER(S) |
| 75 | 080-6401118 |



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 |

