

VARO 80 S

track
180-6422137S



Project / Type _____

Notes _____

Count / Date _____



220-240V

220-240V

X-PERT

X-PERT

General

Ceiling , Track

tilt max 90°

rotation 355°

white , RAL9016 ¹

IP20

2790 lm

LED

4000 K

CRI ≥ 90

L80 / 50000 h

initial MacAdam ≤ 2 SDCM

Optical

spot

beam angle 20°

PstLM ≤ 1.0 ²

SVM ≤ 0.4 ²

Electrical

DALI-2

21.1 W

PC2 220-240V

132 lm/W

1 DALI Addr.

Physical

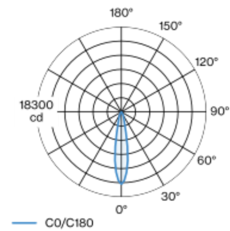
diameter 87 mm

height 80 mm

0.5 kg

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 4000 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 20° 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. 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;

Light distribution



| spot 20° | | |
|----------|----------|-------|
| h (m) | E0° (lx) | ø (m) |
| 1 | 15600 | 0.34 |
| 2 | 3900 | 0.69 |
| 3 | 1700 | 1.03 |
| 4 | 1000 | 1.38 |
| 5 | 600 | 1.72 |

Product drawing



¹ RAL code ² Value of containing product at full load (undimmed)

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
MF Maintenance Factor
LMF^a Luminaire Maintenance Factor

RSMF^a Room Surface Maintenance Factor
LLMF Lamp Lumens 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 |
|--------------------------------|--------------------|
| B16 | 27 |
| C16 | 44 |

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 |

