

VARO 80 S

track
180-6422137M



Project / Type _____

Notes _____

Count / Date _____



220-240V

355°

X-PERT

X-PERT

General

Ceiling , Track

tilt max 90°

rotation 355°

white , RAL9016 ¹

IP20

2840 lm

LED

4000 K

CRI ≥ 90

L80 / 50000 h

initial MacAdam ≤ 2 SDCM

Optical

medium

beam angle 27°

PstLM ≤ 1.0 ²

SVM ≤ 0.4 ²

Electrical

DALI-2

21.1 W

PC2 220-240V

135 lm/W

1 DALI Addr.

Physical

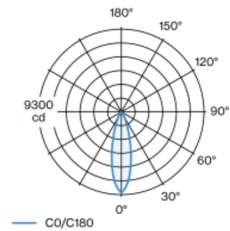
diameter 87 mm

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 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 220-240V; 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;

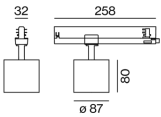
Light distribution



medium 27°

h (m)	E0° (lx)	ø (m)
1	9100	0.49
2	2280	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)

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)

75

ARTICLE NUMBER(S)

080-640118



Optical accessories

LINEAR PRISMATIC LENS

Ø (MM)

75

ARTICLE NUMBER(S)

080-6402110P



Optical accessories

SNOOT

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

