

VARO 110 S

180-6530017F



Project / Type _____

Notes _____

Count / Date _____



220-240V

355°

X-PERT

X-PERT

General

Ceiling , Track

tilt max 90°

rotation 355°

white , RAL9016 ¹

IP20

3200 lm

LED

3000 K

CRI ≥ 90

L85 / 50000 h

initial MacAdam ≤ 3 SDCM

R_g: 99 , R_f: 92 , R_{t(1-5)}: 93

MR 0.61

MDER 0.55

Optical

flood

beam angle 40°

Electrical

non DIM

23.4 W

PC2 220-240V

137 lm/W

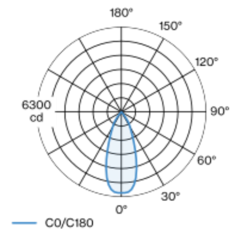
Physical

diameter 110 mm

height 110 mm

¹ RAL code

Light distribution



flood 40°

h (m)	EO [®] (lx)	ø (m)
1	6010	0.73
2	1500	1.46
3	670	2.18
4	380	2.91
5	240	3.64

Product drawing



Installation instructions



Lighting calculator



[180-6530017F] 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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22.07.2024

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Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	0.975	0.944	0.913	0.883	0.854
LSF	1	1	1	1	1

MF

MF

LMF^a

LMF × RSMF × LLMF × LSF

Maintenance Factor

Luminaire Maintenance Factor

RSMF^a

LLMF

LSF

Room Surface Maintenance Factor

Lamp Lumens Maintenance Factor

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.

Optical accessories

HONEYCOMB LOUVER

Ø (MM)	ARTICLE NUMBER(S)
106	080-6501118

WIDE FLOOD LENS

Ø (MM)	ARTICLE NUMBER(S)
106	080-6502110W

OVAL LENS

Ø (MM)	ARTICLE NUMBER(S)
106	080-6502210

SNOOT

TYPE	Ø (MM)	ARTICLE NUMBER(S)
short	97	080-6503118
medium	97	080-6503218
angle	97	080-6503318

