

# VARO 110 S

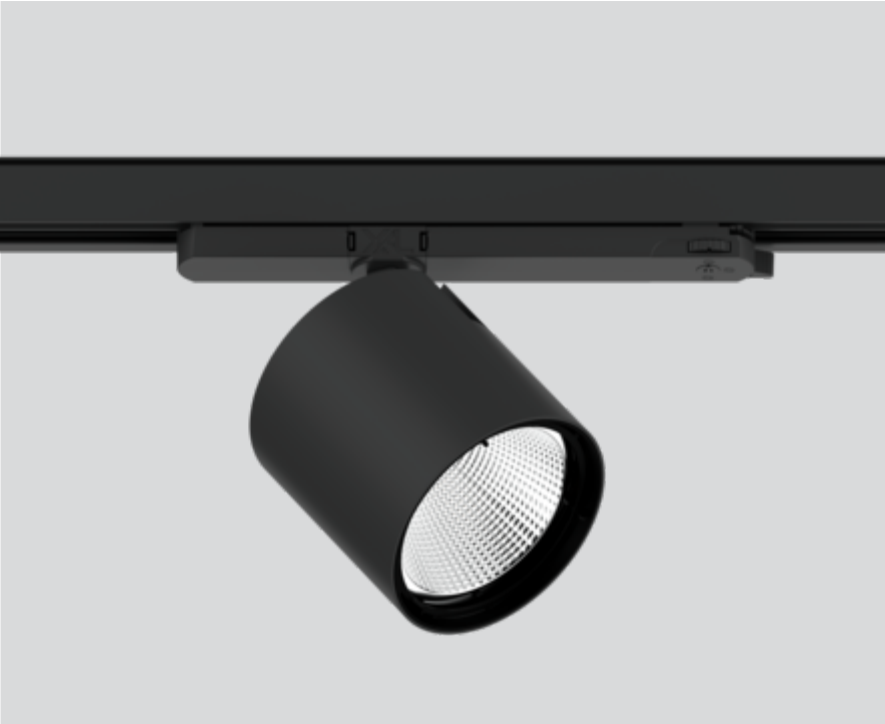
180-6530218W



Project / Type \_\_\_\_\_

Notes \_\_\_\_\_

Count / Date \_\_\_\_\_



## General

Ceiling , Track \_\_\_\_\_

tilt max 90° \_\_\_\_\_

rotation 355° \_\_\_\_\_

black , RAL9005 <sup>1</sup> \_\_\_\_\_

IP20 \_\_\_\_\_

3180 lm \_\_\_\_\_

## LED

3500 K \_\_\_\_\_

CRI ≥ 90 \_\_\_\_\_

L85 / 50000 h \_\_\_\_\_

initial MacAdam ≤ 3 SDCM \_\_\_\_\_

R<sub>g</sub>: 97 , R<sub>f</sub>: 90 , R<sub>(1-15)</sub>: 93 \_\_\_\_\_

MR 0.73 \_\_\_\_\_

MDER 0.66 \_\_\_\_\_

## Optical

wide flood \_\_\_\_\_

beam angle 66° \_\_\_\_\_

PstLM ≤ 1.0 <sup>2</sup> \_\_\_\_\_

SVM ≤ 0.4 <sup>2</sup> \_\_\_\_\_

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 3500 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 90; min. 85% 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 66° 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;

## Electrical

non DIM \_\_\_\_\_

23.4 W \_\_\_\_\_

PC2 220-240V \_\_\_\_\_

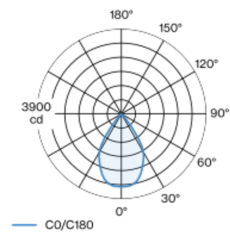
136 lm/W \_\_\_\_\_

## Physical

diameter 110 mm \_\_\_\_\_

height 110 mm \_\_\_\_\_

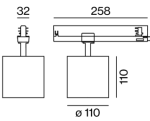
## Light distribution



wide flood 66°

| h (m) | E0° (lx) | ø (m) |
|-------|----------|-------|
| 1     | 3330     | 1.30  |
| 2     | 830      | 2.60  |
| 3     | 370      | 3.89  |
| 4     | 210      | 5.19  |
| 5     | 130      | 6.49  |

## Product drawing



<sup>1</sup> RAL code <sup>2</sup> Value of containing product at full load (undimmed)

## Installation instructions



## Lighting calculator

