

# VARO 110 S

track  
180-6531118F



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

Notes \_\_\_\_\_

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



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 4000 K; binning initial MacAdam  $\leq 3$  SDCM; CRI  $\geq 90$ ; 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 40° 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; 220-240 V; 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;



## General

Ceiling | Track \_\_\_\_\_

tilt max 90° \_\_\_\_\_

rotation 355° \_\_\_\_\_

black | RAL 9005 <sup>1</sup> \_\_\_\_\_

IP20 \_\_\_\_\_

4550 lm \_\_\_\_\_

## LED

4000 K \_\_\_\_\_

CRI  $\geq 90$  \_\_\_\_\_

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

initial MacAdam  $\leq 3$  SDCM \_\_\_\_\_

R<sub>g</sub>: 100 | R<sub>f</sub>: 92 | R<sub>f(1-15)</sub>: 92 \_\_\_\_\_

MR 0.78 | MDER 0.71 \_\_\_\_\_

## Optical

flood | beam angle 40° \_\_\_\_\_

## Electrical

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

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

system 36 W \_\_\_\_\_

system 126 lm/W <sup>2</sup> \_\_\_\_\_

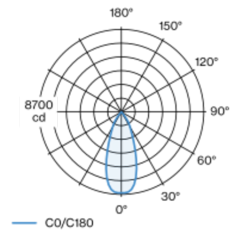
## Physical

diameter 110 mm | height 110 mm \_\_\_\_\_

0.6 kg \_\_\_\_\_

<sup>1</sup> RAL code  
<sup>2</sup> incl. consideration of optical losses, internal control unit losses & operating device efficiency

## Light distribution



flood 40°			
h (m)	EO° (lx)	ø (m)	
1	8540	0.73	
2	2130	1.46	
3	950	2.18	
4	530	2.91	
5	340	3.64	

## Product drawing



## Installation instructions



## Lighting calculator

