



Project / Type _____

Notes _____

Count / Date _____



General

Ceiling , Track _____

tilt max 310° _____

rotation 360° _____

white , RAL9016 ¹ _____

jet black _____

IP20 _____

1070 lm _____

LED

4000 K _____

CRI ≥ 90 _____

L85 / 50000 h _____

initial MacAdam ≤ 2 SDCM _____

R_g: 94 , R_r: 87 , R₍₁₋₁₅₎: 90 _____

MR 0.86 _____

MDER 0.78 _____

Optical

oval _____

beam angle 16°x59° _____

PstLM ≤ 1.0 ² _____

SVM ≤ 0.4 ² _____

Track light made of die-cast aluminium; surface white powder coated; 360° rotatable and 310° tiltable; converter installed in aluminium spotlight housing; 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. 85% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; precise radiation characteristic with 16°x59° beam (oval filter); degree of protection IP20; PC1 220-240V; adapter for toolless insertion or movement on a variety of 3-phase power tracks; adapter fixation by means of set screw; incl. converter, dimmable with integrated potentiometer; point outlet, either in surface mounted housing or recessed housing, available as an accessory; accessories are listed separately; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

Electrical

DIM POTI _____

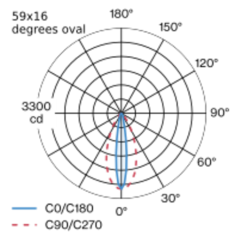
system 14.7 W _____

PC1 220-240V _____

system 73 lm/W³ _____

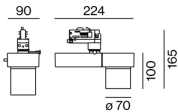
inset 86 lm/W⁴ _____

Light distribution



oval 16°		
h (m)	E0° (lx)	ø (m)
1	2920	0.28
2	730	0.56
3	320	0.84
4	180	1.12
5	120	1.40

Product drawing



Physical

diameter 70 mm _____

height 98 mm _____

0.92 kg _____

set screw (tool required) _____

¹ RAL code ² Value of containing product at full load (undimmed)
³ incl. optical losses and the efficiency of the operating device (converter)
⁴ incl. optical losses

Installation instructions



Lighting calculator





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Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	0.98	0.95	0.92	0.89	0.86
LSF	1	1	1	1	1
MF	LMF × RSMF × LLMF × LSF		RSMF ^a	Room Surface Maintenance Factor	
MF	Maintenance Factor		LLMF	Lamp Lumens Maintenance Factor	
LMF ^a	Luminaire 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
B10	31
B13	40
B16	50
B20	62
B25	78
C10	52
C13	67
C16	85
C20	104
C25	130

Components

OVAL FILTER

TYPE	COLOUR	ARTICLE NUMBER(S)
60 x 15°	jet black	080-5900020

Mounting accessories

RECESSED HOUSING

TYPE	COLOUR	Ø (MM)	ARTICLE NUMBER(S)
point outlet	traffic white	151	186-072277
point outlet	jet black	151	186-072278

SURFACE HOUSING

TYPE	COLOUR	Ø (MM)	ARTICLE NUMBER(S)
point outlet	traffic white	120	186-072287
point outlet	jet black	120	186-072288

Optical accessories

OVAL FILTER

TYPE	COLOUR	ARTICLE NUMBER(S)
60 x 15°	jet black	080-5900020

