



Project / Type

Notes

Count / Date



General
Showcase   Recessed
tar black   RAL 9021 <sup>1</sup>
IP20
Interior
466 lm
optical inset 73 lm/W <sup>2</sup>

LED
3500 K
CRI ≥ 95
L80 / 50000 h
initial MacAdam ≤ 3 SDCM
R <sub>g</sub> : 101   R <sub>f</sub> : 96   R <sub>f(1-15)</sub> : 96
MR 0.72   MDER 0.66

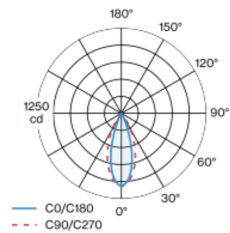
Optical
medium   beam angle 32°x46°

Electrical
excl. driver
PC3   24 V
fixture 9.5 W
optical inset 6.4 W
24 V

Physical
length 400 mm   width 9 mm   height 9 mm

Miniature linear light inset made of aluminium; tubular design; surface lacquered in tar black; optionally for recessed or surface mounting (available as an accessory); plug and play electrical connector system for toolless mounting; different connectors for mechanical and electrical connection available - for flexible system design (available as an accessory); fitted with LED light points; light colour 3500 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 95; min. 80% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; precise radiation characteristic with 32°x46° beam; light inset rotatable; degree of protection IP20; PC3; 24 V; accessories are listed separately; light source replaceable by an authorized professional;

Light distribution



Product drawing



<sup>1</sup> RAL code <sup>2</sup> incl. consideration of optical losses

Installation instructions





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Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	0.954	0.915	0.879	0.844	0.81
LSF	1	1	1	1	1

MF

LMF × RSMF × LLMF × LSF

MF

Maintenance Factor

LMF<sup>a</sup>

Luminaire Maintenance Factor

RSMF<sup>a</sup>

Room Surface Maintenance Factor

LLMF

Lamp Lumens Maintenance Factor

LSF

Lamp Survival Factor

<sup>a</sup> 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.

Mounting accessories

MOUNTING CHANNEL 90

COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
white aluminium	230-17-11	011-9100206
tar black	230-17-11	011-9100208
white aluminium	430-17-11	011-9100306
tar black	430-17-11	011-9100308
white aluminium	630-17-11	011-9100406
tar black	630-17-11	011-9100408
white aluminium	830-17-11	011-9100506
tar black	830-17-11	011-9100508
white aluminium	1030-17-11	011-9100606
tar black	1030-17-11	011-9100608
white aluminium	1230-17-11	011-9100706
tar black	1230-17-11	011-9100708



MOUNTING CHANNEL 90 ANTI-GLARE

COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
white aluminium	230-17-15	011-9101206
tar black	230-17-15	011-9101208
white aluminium	430-17-15	011-9101306
tar black	430-17-15	011-9101308
white aluminium	630-17-15	011-9101406
tar black	630-17-15	011-9101408
white aluminium	830-17-15	011-9101506
tar black	830-17-15	011-9101508
white aluminium	1030-17-15	011-9101606
tar black	1030-17-15	011-9101608
white aluminium	1230-17-15	011-9101706
tar black	1230-17-15	011-9101708





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Mounting accessories

MOUNTING CHANNEL 60

COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
white aluminium	230-40-11	011-9102206
tar black	230-40-11	011-9102208
white aluminium	430-40-11	011-9102306
tar black	430-40-11	011-9102308
white aluminium	630-40-11	011-9102406
tar black	630-40-11	011-9102408
white aluminium	830-40-11	011-9102506
tar black	830-40-11	011-9102508
white aluminium	1030-40-11	011-9102606
tar black	1030-40-11	011-9102608
white aluminium	1230-40-11	011-9102706
tar black	1230-40-11	011-9102708



Mounting accessories

MOUNTING CHANNEL 45

COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
white aluminium	230-17-11	011-9103206
tar black	230-17-11	011-9103208
white aluminium	430-17-11	011-9103306
tar black	430-17-11	011-9103308
white aluminium	630-17-11	011-9103406
tar black	630-17-11	011-9103408
white aluminium	830-17-11	011-9103506
tar black	830-17-11	011-9103508
white aluminium	1030-17-11	011-9103606
tar black	1030-17-11	011-9103608
white aluminium	1230-17-11	011-9103706
tar black	1230-17-11	011-9103708



MOUNTING CHANNEL 45 JUT-OUT

COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
white aluminium	230-17-18	011-9104206
tar black	230-17-18	011-9104208
white aluminium	430-17-18	011-9104306
tar black	430-17-18	011-9104308
white aluminium	630-17-18	011-9104406
tar black	630-17-18	011-9104408
white aluminium	830-17-18	011-9104506
tar black	830-17-18	011-9104508
white aluminium	1030-17-18	011-9104606
tar black	1030-17-18	011-9104608
white aluminium	1230-17-18	011-9104706
tar black	1230-17-18	011-9104708





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Mounting accessories

MOUNTING CLIP 90 surface

COLOUR

tar black

ARTICLE NUMBER(S)

011-9100008



MOUNTING CLIP 60 surface

COLOUR

tar black

ARTICLE NUMBER(S)

011-9102008



MOUNTING CLIP 45 surface

COLOUR

tar black

ARTICLE NUMBER(S)

011-9103008



Mounting accessories

MOUNTING TOOL

ARTICLE NUMBER(S)

011-9190000



Mounting accessories

BLIND INSET

COLOUR	Ø (MM)	ARTICLE NUMBER(S)
white aluminium	9	011-9109206
tar black	9	011-9109208
white aluminium	9	011-9109306
tar black	9	011-9109308
white aluminium	9	011-9109406
tar black	9	011-9109408
white aluminium	9	011-9109506
tar black	9	011-9109508
white aluminium	9	011-9109606
tar black	9	011-9109608
white aluminium	9	011-9109706
tar black	9	011-9109708





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Electrical accessories

POWER SUPPLY 24V EU

L-W-H (MM)	ARTICLE NUMBER(S)
130-43-30	011-9212110
195-43-30	011-9212210
220-43-30	011-9212310
130-43-30	011-9212130
195-43-30	011-9212230
220-43-30	011-9212330



POWER SUPPLY 24V UL

TYPE	L-W-H (MM)	ARTICLE NUMBER(S)
	153-41-32	011-9282110
	210-40-30	011-9282210
60 W	250-40-30	011-9282310
	176-45-32	011-9282320
	176-45-32	011-9282330



Electrical accessories

FLEX CONNECTOR

TYPE	L-W-H (MM)	ARTICLE NUMBER(S)
electrical		011-9225100
electrical   90°	39-39-9	011-9225200



LINEAR CONNECTOR

TYPE	ARTICLE NUMBER(S)
electrical	011-9225300



Electrical accessories

EXTENSION CABLE

TYPE	ARTICLE NUMBER(S)
1 × socket / 1 × plug	011-9222120
1 × socket / 1 × plug	011-9222140
1 × socket / 1 × plug	011-9222180
1 × socket / 1 × plug 90°	011-9222220
1 × socket / 1 × plug 90°	011-9222240
1 × socket / 1 × plug 90°	011-9222280

