

SETA 60 CONEX indirect socket / socket

suspended system
058-4239037



Project / Type

Notes

Count / Date



Luminaire housing made of extruded aluminium profile; extremely slim design (only Ø 60 mm) linear; converter integrated into luminaire housing; for lighting systems; surface pure white powder coated; for suspended mounting (1500 mm cable suspension - oblique or straight - as an accessory); with integrated toolless suspension height adjustment on the luminaire; canopy for through wiring (available as an accessory); electrical connection of the luminaires via plug/socket system; connectors (L-, T- or X-shape) available as an accessory; luminaire connection rotatable around its own axis, which means that any spatial angle can be realized; extruded profile for improved thermal management; indirect light component with integrated PC boards and high quality lens system for maximum, homogeneous ceiling illumination; $UGR \leq 10$; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above $65^\circ \leq 1500 \text{ cd/m}^2$; light colour 3000 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 90 ; min. 90% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; degree of protection IP20; PC1; 220-240 V; incl. DALI-2 converter; accessories are listed separately; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;



General

Ceiling | Suspended

pure white | RAL 9010

IP20

7020 lm

LED

3000 K

CRI ≥ 90

L90 / 50000 h

initial MacAdam ≤ 3 SDCM

R_g: 99 | R_f: 91 | R₍₁₋₁₅₎: 89

MR 0.61 | MDER 0.55

Optical

Reflector | symmetric

UGR ≤ 10 | $\geq 65^\circ < 1500 \text{ cd/m}^2$

PstLM ≤ 1.0 ¹ | SVM ≤ 0.4 ¹

Electrical

DALI-2 | 1 DALI Addr.

PC1 | 220-240 V

system 58 W

system 121 lm/W²

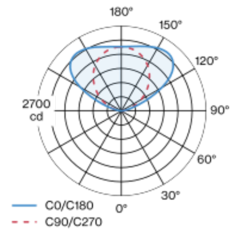
socket / socket

Physical

length 2936 mm | width 60 mm | height 60 mm

¹ Value of containing product at full load (undimmed)
² incl. consideration of optical losses, internal control unit losses & operating device efficiency

Light distribution



Product drawing



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	0.96	0.94	0.92	0.9
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 Factor

^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
C10	52
C13	67
C16	85
C20	104



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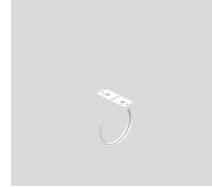
Notes

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Mounting accessories

LINEAR CONNECTOR surface

TYPE	COLOUR	Ø (MM)	ARTICLE NUMBER(S)
mechanical	pure white	60	058-3013117
mechanical	jet black	60	058-3013118
mechanical & electrical	pure white	60	058-3013127
mechanical & electrical	jet black	60	058-3013128



60 18 7

LINEAR CONNECTOR suspended

TYPE	COLOUR	Ø (MM)	ARTICLE NUMBER(S)
mechanical	pure white	60	058-3013217
mechanical	jet black	60	058-3013218
mechanical & electrical	pure white	60	058-3013227
mechanical & electrical	jet black	60	058-3013228



60 18 7

L CONEX CONNECTOR

TYPE	COLOUR	ARTICLE NUMBER(S)
mechanical & electrical	pure white	058-3018727
mechanical & electrical	jet black	058-3018728



T CONEX CONNECTOR

TYPE	COLOUR	ARTICLE NUMBER(S)
mechanical & electrical	pure white	058-3018827
mechanical & electrical	jet black	058-3018828



X CONEX CONNECTOR

TYPE	COLOUR	ARTICLE NUMBER(S)
mechanical & electrical	pure white	058-3018927
mechanical & electrical	jet black	058-3018928



CONEX FLEX CONNECTOR

TYPE	COLOUR	Ø (MM)	ARTICLE NUMBER(S)
mechanical & electrical	pure white	60	058-3018627
mechanical & electrical	jet black	60	058-3018628



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Mounting accessories

CEILING MOUNTING SET

COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
pure white	75-20-10	058-3014117
jet black	75-20-10	058-3014118



CABLE SUSPENSION

TYPE	COLOUR	ARTICLE NUMBER(S)
cable suspension	chrome	058-3014210
cable suspension	black	058-3014218
cable suspension angular max. 60°	chrome	058-3014310
cable suspension angular max. 60°	black	058-3014318



CONNECTOR CABLE SUSPENSION

COLOUR	ARTICLE NUMBER(S)
chrome	058-3018110
black	058-3018118



CANOPY

COLOUR	Ø (MM)	ARTICLE NUMBER(S)
pure white	90	005-2600037
jet black	90	005-2600038



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Electrical accessories

END CAP POWER FEEDER surface

COLOUR	ARTICLE NUMBER(S)
pure white	058-3010217
jet black	058-3010218



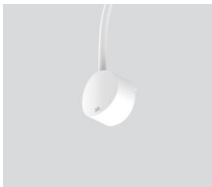
MIDDLE POWER FEEDER surface

COLOUR	ARTICLE NUMBER(S)
pure white	058-3011217
jet black	058-3011218



END CAP POWER FEEDER suspended

COLOUR	ARTICLE NUMBER(S)
pure white	058-3010417
jet black	058-3010418



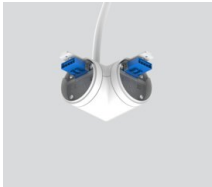
MIDDLE POWER FEEDER suspended

COLOUR	ARTICLE NUMBER(S)
pure white	058-3011317
jet black	058-3011318



L CONEX POWER FEEDER suspended

COLOUR	ARTICLE NUMBER(S)
pure white	058-3018737
jet black	058-3018738



Electrical accessories

ESSENTIAL SENSOR

TYPE	COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
brightness & presence	pure white	90-60-65	058-3019117
brightness & presence	jet black	90-60-65	058-3019118



SENSE SENSOR

TYPE	COLOUR	ARTICLE NUMBER(S)
brightness, presence, temperature, sound pressure, humidity, CO2	pure white	058-3019217
brightness, presence, temperature, sound pressure, humidity, CO2	jet black	058-3019218



[058-4239037] 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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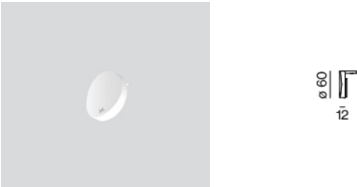
Notes

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Optical accessories

END CAP

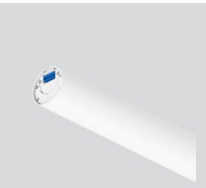
COLOUR	ARTICLE NUMBER(S)
pure white	058-3010017
jet black	058-3010018



Optical accessories

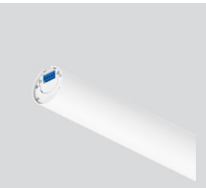
BLIND CHANNEL standard

TYPE	COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
plug/socket incl. through wiring	pure white	585-60-60	058-4922037
plug/socket incl. through wiring	jet black	585-60-60	058-4922038
plug/socket incl. through wiring	pure white	1185-60-60	058-4924037
plug/socket incl. through wiring	jet black	1185-60-60	058-4924038
plug/socket incl. through wiring	pure white	2351-60-60	058-4928037
plug/socket incl. through wiring	jet black	2351-60-60	058-4928038
plug/socket incl. through wiring	pure white	2936-60-60	058-4929037
plug/socket incl. through wiring	jet black	2936-60-60	058-4929038

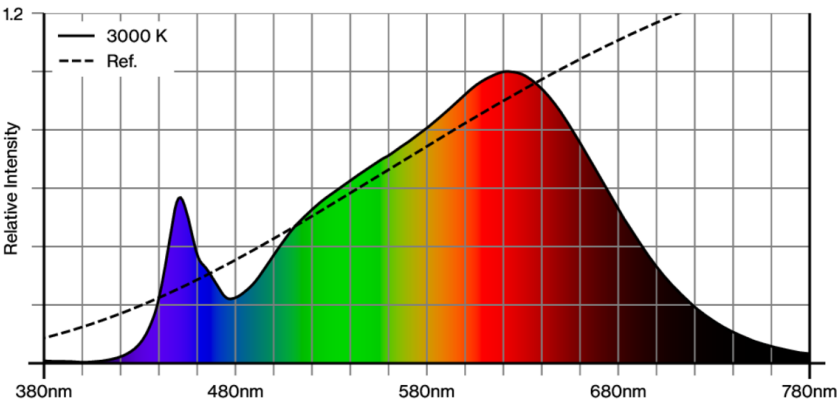


BLIND CHANNEL CONEX L/T/X

TYPE	COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
socket/socket incl. through wiring	pure white	585-60-60	058-4932037
socket/socket incl. through wiring	jet black	585-60-60	058-4932038
socket/socket incl. through wiring	pure white	1185-60-60	058-4934037
socket/socket incl. through wiring	jet black	1185-60-60	058-4934038
socket/socket incl. through wiring	pure white	2351-60-60	058-4938037
socket/socket incl. through wiring	jet black	2351-60-60	058-4938038
socket/socket incl. through wiring	pure white	2936-60-60	058-4939037
socket/socket incl. through wiring	jet black	2936-60-60	058-4939038



Colour rendering



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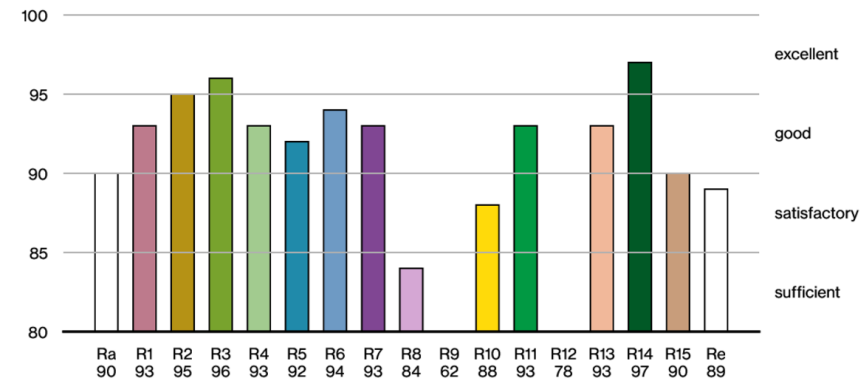
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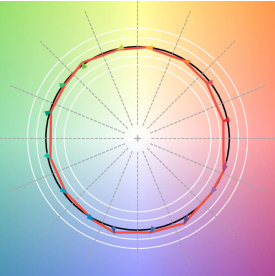
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TM30 colour vector graphic



The black line represents the black body reference. The red line indicates the results of the test light source. The deviation from the test light source to the reference is shown and is marked by arrows. The shorter the arrows, the higher the color rendering.