

SETA 60 CONEX

reflector direct / indirect plug / socket

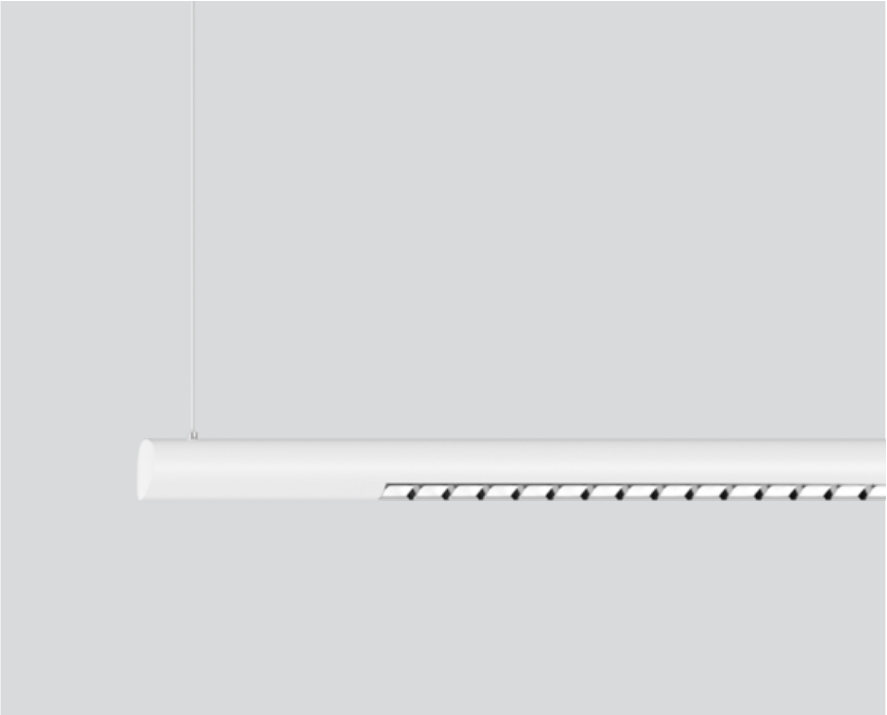
suspended system
058-4125037R



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; high gloss reflector with faceted design; Reflector chrome; direct/indirect illumination characteristic; indirect light component with integrated PC boards and high quality lens system for maximum, homogeneous ceiling illumination, separately controllable; $UGR \leq 16$; 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 $\leq 3 \text{ SDCM}$; 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

Reflector chrome

IP20

indirect 3510 lm | direct 3040 lm

total 6550 lm

LED

3000 K

CRI ≥ 90

L90 / 50000 h

initial MacAdam $\leq 3 \text{ SDCM}$

R_g: 99 | R_f: 91 | R₍₁₋₁₅₎: 89

MR 0.61 | MDER 0.55

Optical

Reflector | symmetric

$UGR \leq 16$ | $\geq 65^\circ < 1500 \text{ cd/m}^2$

PstLM ≤ 1.0 ¹ | SVM ≤ 0.4 ¹

Electrical

DALI-2 | 2 DALI Addr.

PC1 | 220-240 V

system 53 W

system 124 lm/W ²

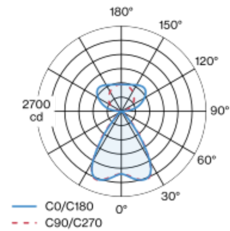
plug / socked

Physical

length 1474 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 | 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 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 | 15 |
| B13 | 20 |
| B16 | 25 |
| B20 | 31 |
| C10 | 26 |
| C13 | 33 |
| C16 | 42 |
| C20 | 52 |

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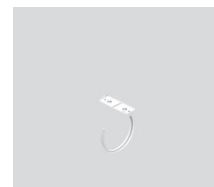
Notes

Count / Date

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

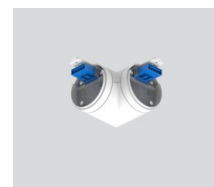
| TYPE | COLOUR | Ø (MM) | ARTICLE NUMBER(S) |
|-------------------------|------------|--------|-------------------|
| mechanical | pure white | 60 | 058-3013217 |
| mechanical | jet black | 60 | 058-3013218 |
| mechanical & electrical | pure white | 60 | 058-3013227 |
| mechanical & electrical | jet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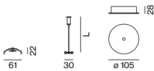
Notes _____

Count / Date _____

Mounting accessories

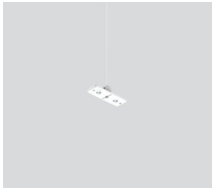
CEILING MOUNTING SET

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



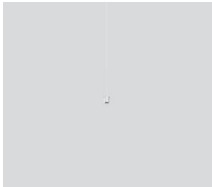
CABLE SUSPENSION

| 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 |



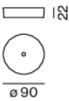
CONNECTOR CABLE SUSPENSION

| 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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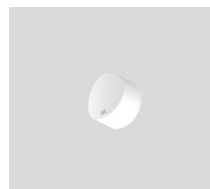
Count / Date

Electrical accessories

END CAP POWER FEEDER surface

COLOUR
pure white
jet black

ARTICLE NUMBER(S)
058-3010217
058-3010218



MIDDLE POWER FEEDER surface

COLOUR
pure white
jet black

ARTICLE NUMBER(S)
058-3011217
058-3011218



END CAP POWER FEEDER suspended

COLOUR
pure white
jet black

ARTICLE NUMBER(S)
058-3010417
058-3010418



MIDDLE POWER FEEDER suspended

COLOUR
pure white
jet black

ARTICLE NUMBER(S)
058-3011317
058-3011318



L CONEX POWER FEEDER suspended

COLOUR
pure white
jet black

ARTICLE NUMBER(S)
058-3018737
058-3018738



Electrical accessories

ESSENTIAL SENSOR

TYPE
brightness & presence
brightness & presence

COLOUR
pure white
jet black

L-W-H (MM)
90-60-65
90-60-65

ARTICLE NUMBER(S)
058-3019117
058-3019118



SENSE SENSOR

TYPE
brightness, presence, temperature, sound pressure, humidity, CO2
brightness, presence, temperature, sound pressure, humidity, CO2

COLOUR
pure white
jet black

ARTICLE NUMBER(S)
058-3019217
058-3019218



[058-4125037R] 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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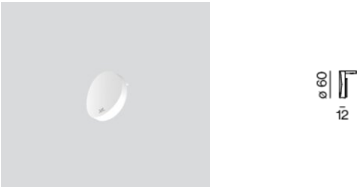
Notes

Count / Date

Optical accessories

END CAP

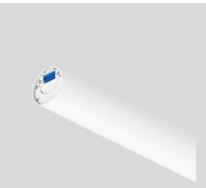
| COLOUR | ARTICLE NUMBER(S) |
|------------|-------------------|
| pure white | 058-3010017 |
| jet black | 058-3010018 |



Optical accessories

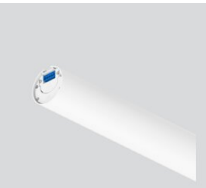
BLIND CHANNEL standard

| 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 |

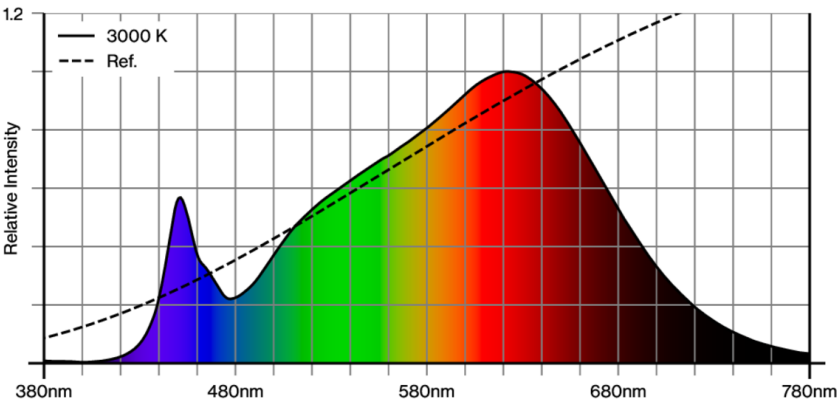


BLIND CHANNEL CONEX L/T/X

| 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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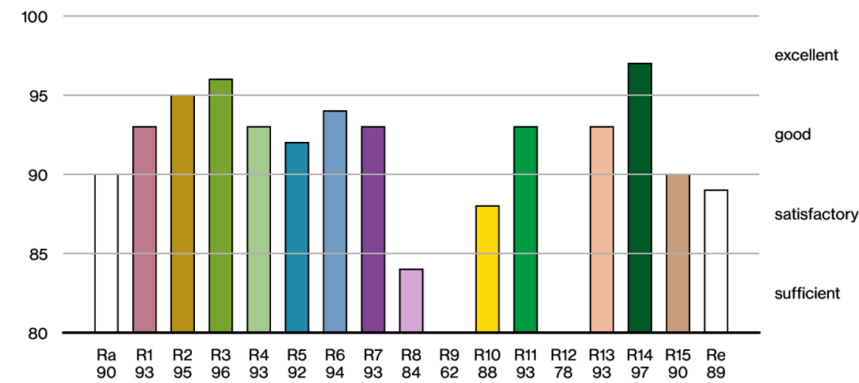


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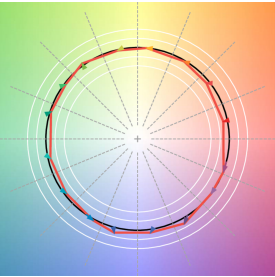
Notes

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CRI/R_a ≥ 92 R_e ≥ 89 (3000 K)



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.

