

TUBO 60 CONEX plug / socket

surface / suspended system
058-30241380



Project / Type

Notes

Count / Date



General

Ceiling / Wall , Surface

black , RAL 9005 ¹

IP20

2960 lm

2510 lm/m

LED

4000 K

CRI ≥ 90

L90 / 50000 h

initial MacAdam ≤ 3 SDCM

R_g: 99 , R_r: 92 , R_{t(1-15)}: 90

MR 0.81

MDER 0.74

Optical

High Performance Opal

opal (lambertsch)

PstLM ≤ 1.0 ²

SVM ≤ 0.4 ²

Electrical

DALI-2

220-240 V

system 27.9 W

system 106 lm/W³

PC1

1 DALI Addr.

24 W/m

Physical

length 1181 mm

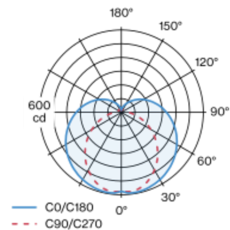
width 60 mm

height 60 mm

3.4 kg

Carrier profile made of extruded aluminium profile; converter integrated into luminaire housing; for continuous lighting systems; surface black powder coated; for wall-/ceiling surface mounting or suspended mounting (1500 mm cable suspension - oblique or straight - as an accessory); easy installation using ceiling clips (available as an accessory) or with integrated toolless suspension height adjustment on the luminaire; freely positioned attachment to 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; light control via high quality lens system for maximum, homogeneous illumination; cylindrical cover made of satin PMMA for uniform illumination; with gentle ceiling illumination; light colour 4000 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; incl. DALI-2 converter; accessories are listed separately; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

Light distribution



Product drawing



¹ RAL code ² Value of containing product at full load (undimmed)
³ FIXTURE: incl. consideration of optical losses & internal control unit losses SYSTEM: incl. consideration of optical losses, internal control unit losses & operating device efficiency.

Installation instructions



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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 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 | 18 |
| B13 | 24 |
| B16 | 30 |
| B20 | 37 |
| C10 | 31 |
| C13 | 40 |
| C16 | 51 |
| C20 | 62 |

Mounting accessories

LINEAR CONNECTOR

| TYPE | COLOUR | L-W-H (MM) | ARTICLE NUMBER(S) |
|--|------------|------------|-------------------|
| mechanical incl. opal cover connector | pure white | | 058-3013117 |
| mechanical incl. opal cover connector | jet black | | 058-3013118 |
| mechanical & electrical incl. opal cover connector | pure white | | 058-3013127 |
| mechanical & electrical incl. opal cover connector | jet black | | 058-3013128 |
| mechanical incl. opal cover connector | pure white | 60-18-7 | 058-3013217 |
| mechanical incl. opal cover connector | jet black | 60-18-7 | 058-3013218 |
| mechanical & electrical incl. opal cover connector | pure white | 37-23-10 | 058-3013227 |
| mechanical & electrical incl. opal cover connector | jet black | 37-23-10 | 058-3013228 |



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

| COLOUR | ARTICLE NUMBER(S) |
|------------|-------------------|
| pure white | 058-3018627 |
| jet black | 058-3018628 |



[058-30241380] 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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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) |
|------------------|--------|-------------------|
| | chrome | 058-3014210 |
| | black | 058-3014218 |
| angular max. 60° | chrome | 058-3014310 |
| angular max. 60° | black | 058-3014318 |



CONNECTOR CABLE SUSPENSION

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



CANOPY

| TYPE | COLOUR | Ø (MM) | ARTICLE NUMBER(S) |
|--------|------------|--------|-------------------|
| DALI-2 | pure white | 90 | 005-2600037 |
| DALI-2 | jet black | 90 | 005-2600038 |



Electrical accessories

END CAP POWER FEEDER

| TYPE | COLOUR | ARTICLE NUMBER(S) |
|-------------------------|------------|-------------------|
| | pure white | 058-3010217 |
| | jet black | 058-3010218 |
| 5 × 1.5 mm ² | pure white | 058-3010417 |
| 5 × 1.5 mm ² | jet black | 058-3010418 |



MIDDLE POWER FEEDER

| TYPE | COLOUR | ARTICLE NUMBER(S) |
|-------------------------|------------|-------------------|
| | pure white | 058-3011217 |
| | jet black | 058-3011218 |
| 5 × 1.5 mm ² | pure white | 058-3011317 |
| 5 × 1.5 mm ² | jet black | 058-3011318 |



L CONEX POWER FEEDER

| TYPE | COLOUR | ARTICLE NUMBER(S) |
|-------------------------|------------|-------------------|
| 5 × 1.5 mm ² | pure white | 058-3018737 |
| 5 × 1.5 mm ² | jet black | 058-3018738 |



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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 |



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) |
|----------------------|------------|------------|-------------------|
| incl. through wiring | pure white | 585-60-60 | 058-4922037 |
| incl. through wiring | jet black | 585-60-60 | 058-4922038 |
| incl. through wiring | pure white | 1185-60-60 | 058-4924037 |
| incl. through wiring | jet black | 1185-60-60 | 058-4924038 |
| incl. through wiring | pure white | 2351-60-60 | 058-4928037 |
| incl. through wiring | jet black | 2351-60-60 | 058-4928038 |
| incl. through wiring | pure white | 2936-60-60 | 058-4929037 |
| 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) |
|----------------------|------------|------------|-------------------|
| incl. through wiring | pure white | 585-60-60 | 058-4932037 |
| incl. through wiring | jet black | 585-60-60 | 058-4932038 |
| incl. through wiring | pure white | 1185-60-60 | 058-4934037 |
| incl. through wiring | jet black | 1185-60-60 | 058-4934038 |
| incl. through wiring | pure white | 2351-60-60 | 058-4938037 |
| incl. through wiring | jet black | 2351-60-60 | 058-4938038 |
| incl. through wiring | pure white | 2936-60-60 | 058-4939037 |
| incl. through wiring | jet black | 2936-60-60 | 058-4939038 |

