

TUBO/SETA/TUBIN 60 CONEX system

surface/suspended

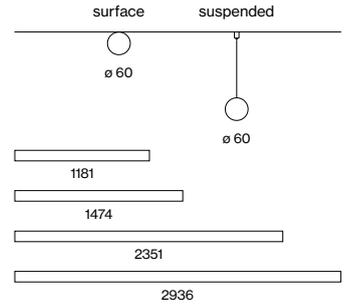
EN Cylindrical lighting system in aluminium; powder coated; wall-/ceiling surface mounting or suspended mounting; height adjustment without tools; incl. feeder cable; electrical connection of the luminaires via plug/socket system; optionally connectors (L-, T- or X-shape); luminaire connection rotatable around its own axis, which means that any spatial angle can be realized; optionally cylindr. HPO (High Performance Opal) cover, high gloss reflector with faceted design or clear, cylindrical cover with linear prismatic optic; light control via high quality lens system for homogeneous illumination (TUBO, TUBIN); direct, indirect or direct / indirect light distribution (SETA); indirect light component with integrated PCboards and high quality lens system for homog. ceiling illumination, separately controllable; energy-eff. LEDs - very good colour rendering

DE Zylindrisches Lichtsystem aus Aluminium; pulverbeschichtet; Wand-/Deckenanbau oder abgehängte Montage; werkzeuglose Höhenverstellung; inkl. Einspeiseleitung; elektrische Verbindung der Leuchten mittels Buchse/Stecker System; optionale Verbinder (L-, T- oder X-Form); Leuchtenverbindung um eigene Achse drehbar, dadurch beliebige Raumwinkel realisierbar; wahlweise zylindr. HPO (High Performance Opal) Abdeckung, hochglänzender Reflektor mit Facettenoptik oder klare, zylindrische Abdeckung mit Linearprismenoptik; Lichtlenkung mittels hochwertiger Linsenoptik für homogene Ausleuchtung (TUBO, TUBIN); direkte, indirekte bzw. direkt / indirekte Abstrahlcharakteristik (SETA); Indirektlichtanteil mit eigenen Platinen u. hochwertiger Linsenoptik für homog. Deckenaufhellung, separat steuerbar; energieeff. LEDs - sehr gute Farbwiedergabe

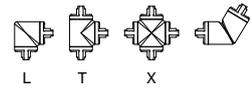
Quickinfo

3000K, 4000K
 CRI ≥ 80, CRI ≥ 90, 3 SDCM
 UGR ≤ 19 / 65° ≤ 3000 cd/m²
 up to 167 lm/W
 opal up to 3100 lm/m
 L90 @ 50000h
 DALI-2
 opal, reflector (UGR ≤ 19)

Types



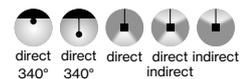
CONEX connector



Colours



Light distributions



connector
CONEX



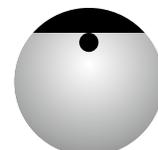
combinable with
TUBO & SETA



up to 160 lm/W
(high efficiency)



DIN EN 12464-1
UGR ≤ 19



TUBO: direct
340° uniform
illumination



SETA: direct
and 170° indirect
illumination

Order options

THROUGH WIRE TYPE

| | |
|---|---|
| standard  | 2 |
| CONEX L/T/X  | 3 |

between two CONEX connectors
one CONEX luminaire or blind channel
is needed

COLOUR TEMPERATURE

| | |
|------------------------------|---|
| 3000 K (CRI _≥ 90) | 0 |
| 4000 K (CRI _≥ 90) | 1 |
| 3000 K (CRI _≥ 80) | 5 |
| 4000 K (CRI _≥ 80) | 6 |

CONTROL

DALI-2

MATERIAL COLOUR

| | |
|-----------------------|---|
| ○ pure white RAL 9010 | 7 |
| ● jet black RAL 9005 | 8 |

REFLECTOR COLOUR

| | |
|---------------|---|
| ✓ chrome | R |
| ● dark chrome | B |



TUBO 60 surface/suspended



OPAL 340° DIRECT

| SYS. POWER | COLOUR TEMP. | LUM. FLUX | L (mm) | ORDER CODE |
|------------|--------------|-----------|--------|----------------------|
| 27.9 W | 3000K | 3180lm | 1181 | 0 5 8 - 3 0 4 :: 3 0 |
| | 4000K | 3620lm | | |
| 34 W | 3000K | 3950lm | 1474 | 0 5 8 - 3 0 5 :: 3 0 |
| | 4000K | 4490lm | | |
| 54 W | 3000K | 6300lm | 2351 | 0 5 8 - 3 0 8 :: 3 0 |
| | 4000K | 7170lm | | |
| 67 W | 3000K | 7880lm | 2936 | 0 5 8 - 3 0 9 :: 3 0 |
| | 4000K | 8970lm | | |

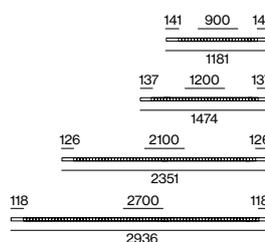


SETA 60 surface/suspended



REFLECTOR DIRECT

| SYS. POWER | COLOUR TEMP. | LUM. FLUX | L (mm) | ORDER CODE |
|------------|--------------|-----------|--------|----------------------|
| 18.6 W | 3000K | 2650lm | 1181 | 0 5 8 - 4 0 4 :: 3 4 |
| | 4000K | 3010lm | | |
| 24.9 W | 3000K | 3530lm | 1474 | 0 5 8 - 4 0 5 :: 3 4 |
| | 4000K | 4010lm | | |
| 43 W | 3000K | 6170lm | 2351 | 0 5 8 - 4 0 8 :: 3 4 |
| | 4000K | 7030lm | | |
| 54 W | 3000K | 7940lm | 2936 | 0 5 8 - 4 0 9 :: 3 4 |
| | 4000K | 9030lm | | |

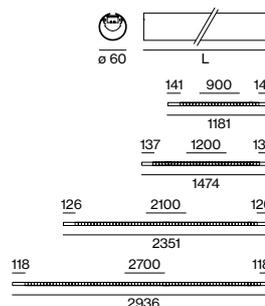


SETA 60 suspended



REFLECTOR DIRECT / INDIRECT

| SYS. POWER | COLOUR TEMP. | LUM. FLUX | L (mm) | ORDER CODE |
|------------|--------------|-------------------|--------|----------------------|
| 42 W | 3000K | ↓ 2620 / ± 3260lm | 1181 | 0 5 8 - 4 1 4 :: 3 4 |
| (2 × DALI) | 4000K | ↓ 3010 / ± 3710lm | | |
| 53 W | 3000K | ↓ 3530 / ± 4070lm | 1474 | 0 5 8 - 4 1 5 :: 3 4 |
| (2 × DALI) | 4000K | ↓ 4010 / ± 4630lm | | |
| 87 W | 3000K | ↓ 6170 / ± 6510lm | 2351 | 0 5 8 - 4 1 8 :: 3 4 |
| (2 × DALI) | 4000K | ↓ 7030 / ± 7410lm | | |
| 110 W | 3000K | ↓ 7940 / ± 8140lm | 2936 | 0 5 8 - 4 1 9 :: 3 4 |
| (2 × DALI) | 4000K | ↓ 9030 / ± 9270lm | | |



INDIRECT

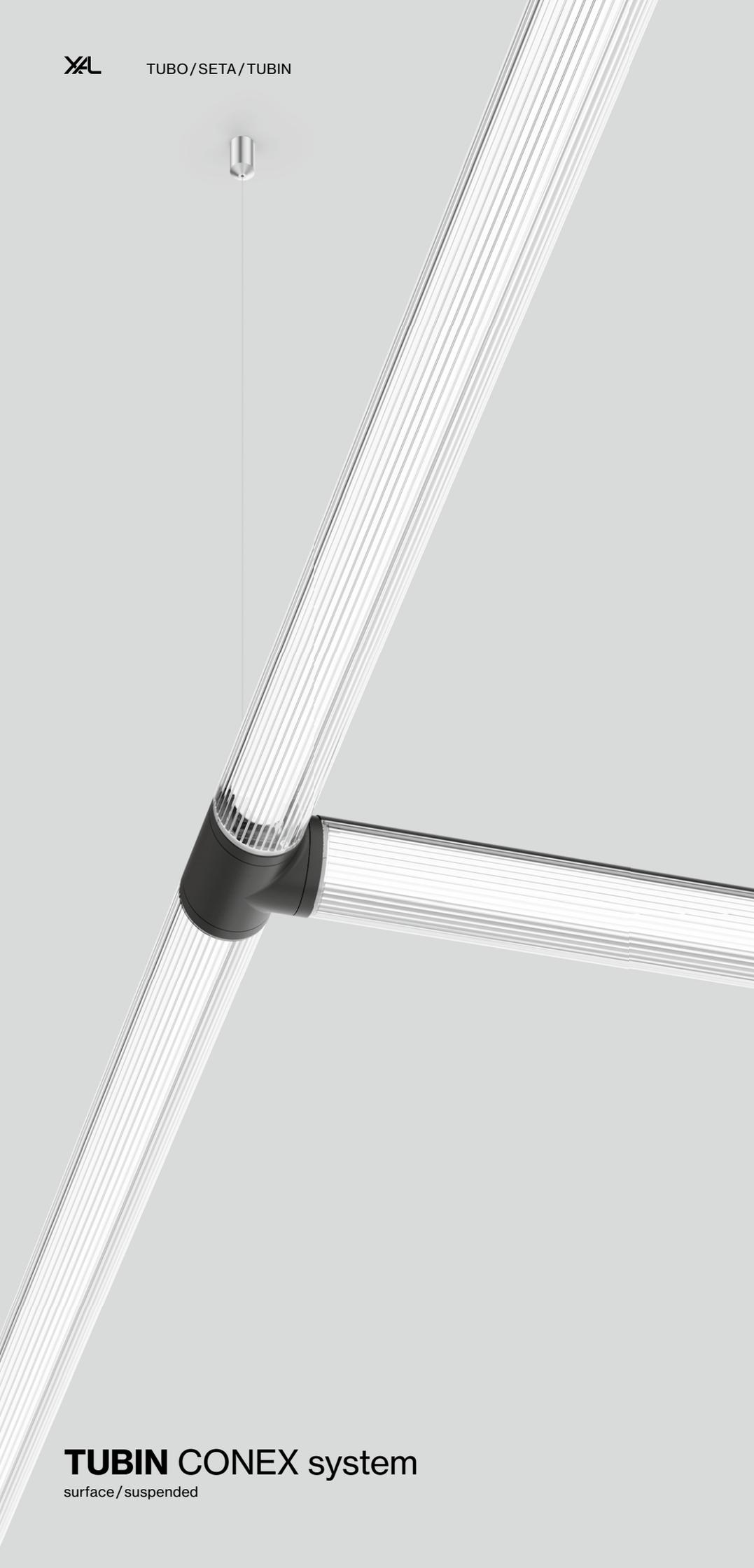
| SYS. POWER | COLOUR TEMP. | LUM. FLUX | L (mm) | ORDER CODE |
|------------|--------------|-----------|--------|----------------------|
| 24.1 W | 3000K | 3260lm | 1181 | 0 5 8 - 4 2 4 :: 3 4 |
| | 4000K | 3710lm | | |
| 29.5 W | 3000K | 4070lm | 1474 | 0 5 8 - 4 2 5 :: 3 4 |
| | 4000K | 4630lm | | |
| 47 W | 3000K | 6510lm | 2351 | 0 5 8 - 4 2 8 :: 3 4 |
| | 4000K | 7410lm | | |
| 58 W | 3000K | 8140lm | 2936 | 0 5 8 - 4 2 9 :: 3 4 |
| | 4000K | 9270lm | | |



Accessories

see next page

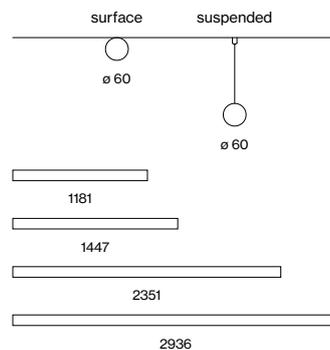
LUMINOUS FLUX value calculated for
CRI_≥80, colour white, cover opal
or reflector chrome
CRI_≥90 -18%



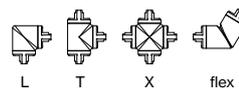
Quickinfo

3000K, 4000K
 CRI ≥ 80, CRI ≥ 90, 3 SDCM
 up to 143lm/W
 up to 3280lm/m
 L90@50000h
 DALI-2
 lens / clear cover

Types



CONEX connector



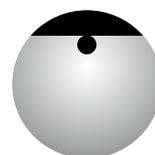
Colours



Light distributions



combinable with
 TUBO & SETA



340° uniform
 illumination



up to 133lm/W
 (high efficiency)

TUBIN CONEX system

surface/suspended

Order options

THROUGH WIRE TYPE

| | |
|---|---|
| standard  | 2 |
| CONEX L/T/X  | 3 |

between two CONEX connectors
one CONEX luminaire or blind channel
is needed

COLOUR TEMPERATURE

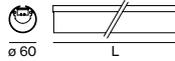
| | |
|------------------------|---|
| 3000 K (CRI \geq 90) | 0 |
| 4000 K (CRI \geq 90) | 1 |
| 3000 K (CRI \geq 80) | 5 |
| 4000 K (CRI \geq 80) | 6 |

CONTROL

DALI-2

MATERIAL COLOUR

| | |
|---|---|
| <input type="radio"/> pure white RAL 9010 | 7 |
| <input checked="" type="radio"/> jet black RAL 9005 | 8 |



TUBIN 60 surface/suspended



CLEAR 340° DIRECT

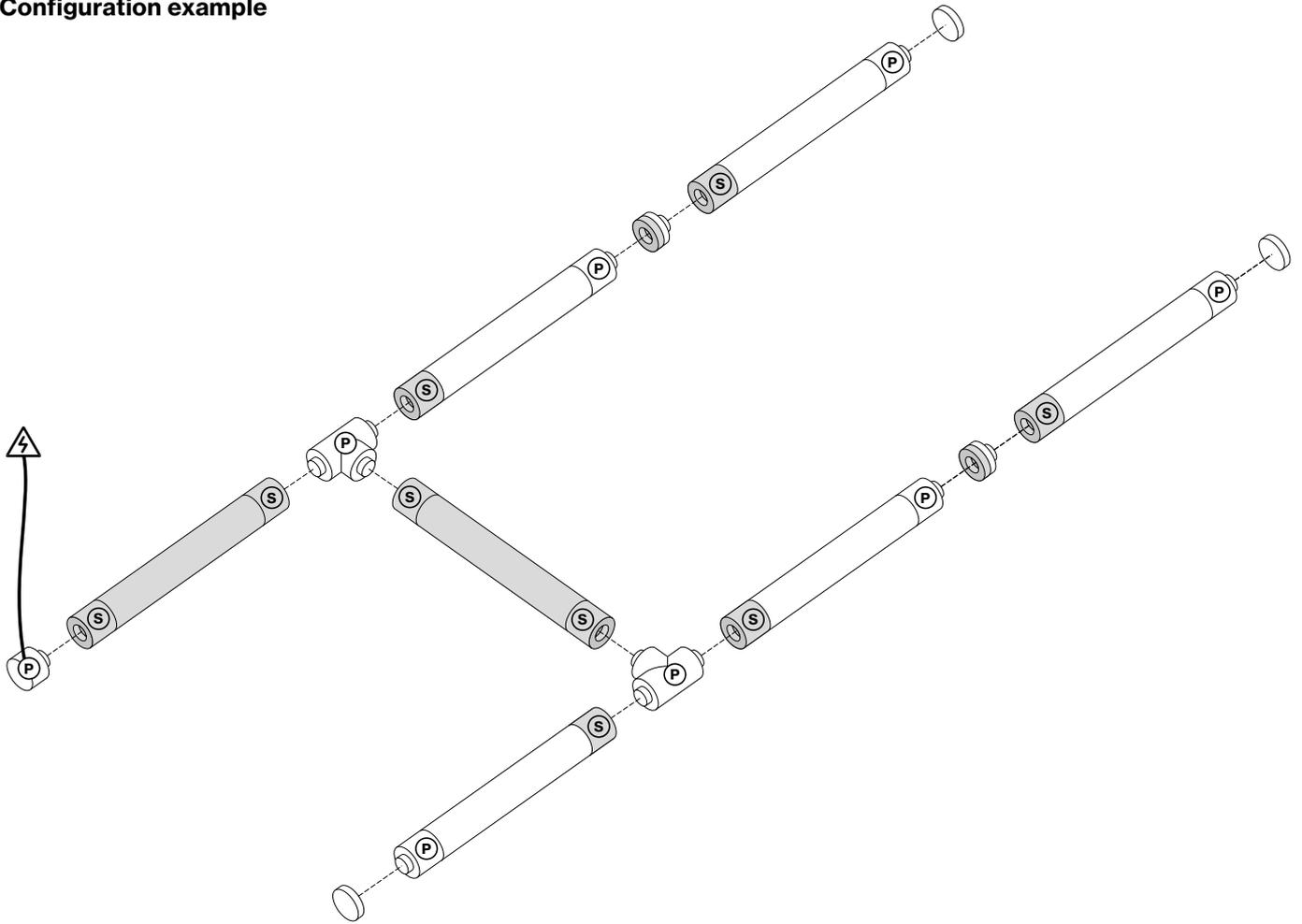
| SYS. POWER | COLOUR TEMP. | LUM. FLUX | L (mm) | ORDER CODE |
|------------|--------------|-----------|--------|--|
| 27.9 W | 3000 K | 3400 lm | 1181 | 0 5 8 - 5 0 4 :: 3  C |
| | 4000 K | 3870 lm | | |
| 34 W | 3000 K | 4220 lm | 1474 | 0 5 8 - 5 0 5 :: 3  C |
| | 4000 K | 4800 lm | | |
| 54 W | 3000 K | 6750 lm | 2351 | 0 5 8 - 5 0 8 :: 3  C |
| | 4000 K | 7680 lm | | |
| 67 W | 3000 K | 8430 lm | 2936 | 0 5 8 - 5 0 9 :: 3  C |
| | 4000 K | 9590 lm | | |

Accessories

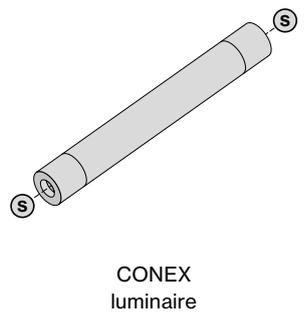
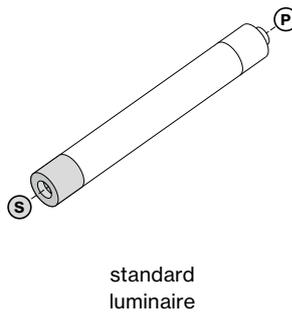
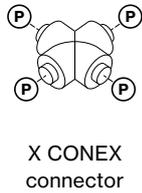
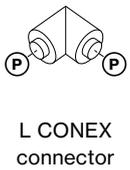
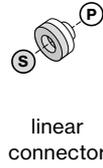
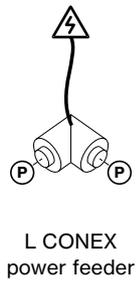
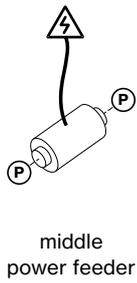
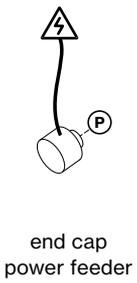
see next page

LUMINOUS FLUX value calculated for
CRI \geq 80, colour white, cover opal
CRI \geq 90 -18%

Configuration example



Components



Order options

THROUGH WIRE TYPE

| | |
|---------------------|---|
| standard (P) (S) | 2 |
| CONEX L/T/X (S) (S) | 3 |

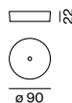
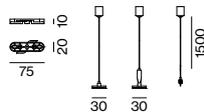
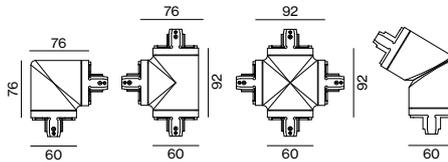
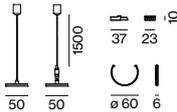
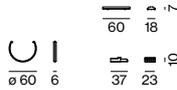
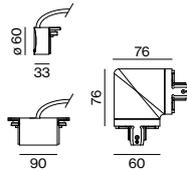
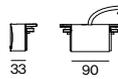
between two CONEX connectors
one CONEX luminaire or blind channel
is needed

MATERIAL COLOUR

| | |
|-----------------------|---|
| ○ pure white RAL 9010 | 7 |
| ● jet black RAL 9005 | 8 |

MATERIAL COLOUR CABLE SUSPENSION

| | |
|----------|---|
| ✓ chrome | 0 |
| ● black | 8 |



Accessories

END CAP

| TYPE | ORDER CODE |
|---------|------------|
| end cap | 058-301001 |

POWER FEEDER SURFACE

| TYPE | ORDER CODE |
|------------------------------|------------|
| end cap power feeder (P) | 058-301021 |
| middle power feeder* (P) (P) | 058-301121 |

*incl. feeder cable 5×1.5mm²

POWER FEEDER SUSPENDED incl. feeder cable 5×1.5mm²

| TYPE | L (mm) | ORDER CODE |
|--------------------------------|--------|------------|
| end cap power feeder (P) | 1500 | 058-301041 |
| middle power feeder* (P) (P) | 1500 | 058-301131 |
| L CONEX power feeder** (P) (P) | 1500 | 058-301873 |

*order cable suspension separately; **order CONEX cable suspension separately

LINEAR CONNECTOR

| TYPE | ORDER CODE |
|--|------------|
| linear connector mechanical | 058-301311 |
| linear connector mechanical & electrical (P) (S) | 058-301312 |

LINEAR CONNECTOR SUSPENDED incl. cable suspension 1500mm

| TYPE | L (mm) | ORDER CODE |
|--|--------|------------|
| mechanical | 1500 | 058-301321 |
| mechanical angular max. 60° | 1500 | 058-301331 |
| mechanical & electrical (P) (S) | 1500 | 058-301322 |
| mech. & electr. angular max. 60° (P) (S) | 1500 | 058-301332 |

CONEX CONNECTOR

| TYPE | ORDER CODE |
|--|------------|
| L CONEX connector mech. & electr.* (P) (P) | 058-301872 |
| T CONEX connector mech. & electr.* (P) (P) (P) | 058-301882 |
| X CONEX connector mech. & electr.* (P) (P) (P) (P) | 058-301892 |
| CONEX flex connector (P) (P) | 058-301862 |

*order CONEX cable suspension separately

MOUNTING SET

| TYPE | L (mm) | ORDER CODE |
|-----------------------------------|--------|-------------|
| ceiling mounting set | 75 | 058-301411 |
| wall mounting accessory | 25 | 058-301441 |
| cable suspension | 1500 | 058-301421 |
| cable suspension angular max. 60° | 1500 | 058-301431 |
| connector cable suspension | 1500 | 058-301811 |
| tool for CONEX cable suspension | - | 050-2049110 |

CANOPY

| TYPE | Ø-H (mm) | ORDER CODE |
|--------|----------|------------|
| canopy | 90-22 | 005-260003 |

for electrical system configuration see luminaire data sheet at xal.com

BLIND CHANNEL incl. through wiring

| L (mm) | ORDER CODE |
|--------|------------|
| 595 | 058-490203 |
| 1181 | 058-490403 |
| 2351 | 058-490803 |
| 2936 | 058-490903 |

SENSOR DALI-2

| TYPE | ORDER CODE |
|---|------------|
| ESSENTIAL (brightness & presence) (P) (P) | 058-301911 |
| SENSE (brightness, presence, temperature, sound pressure, humidity, CO ₂) (P) (P) | 058-301921 |