TUBO / SETA / TUBIN 60 CONEX system
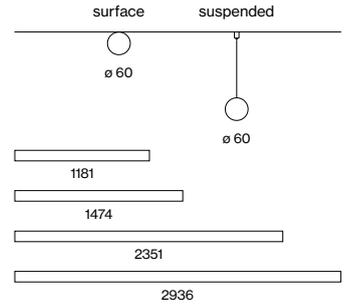
surface / suspended

EN Cylindrical lighting system in aluminium; powder coated; 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 PC boards and high quality lens system for homog. ceiling illumination, separately controllable; energy-eff. LEDs - very good colour rendering

DE Zylindrisches Lichtsystem aus Aluminium; pulverbeschichtet; 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
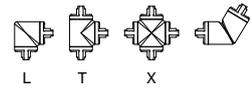
Quickinfo

3000 K, 4000 K
CRI ≥ 80, 3 SDCM
UGR ≤ 19 / 65° ≤ 3000 cd/m²
opal up to 3230 lm / m
up to 160 lm / W
L90 @ 50 000 h
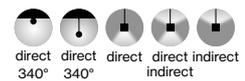DALI-2
opal, reflector (UGR ≤ 19)

Types

surface   suspended
ø 60   ø 60

1181
1474
2351
2936

CONEX connector

L   T   X

Colours

luminaire   reflector

Light distributions

direct 340°   direct 340°   direct   direct indirect   direct indirect
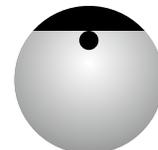
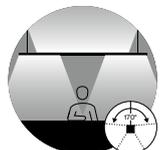connector CONEX

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	5
4000 K	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

| ■ | RG 0 IEC 62471 | DALI 1 ADDR. | ⏚ 220-240V | X-PERT | X-PERT |

OPAL 340° DIRECT

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
33 W	3000 K	3560 lm	1181	0 5 8 - 3 0 ⊙ 4 ⠿ 3 ◪ O
	4000 K	3760 lm		
37 W	3000 K	4130 lm	1474	0 5 8 - 3 0 ⊙ 5 ⠿ 3 ◪ O
	4000 K	4290 lm		
66 W	3000 K	7110 lm	2351	0 5 8 - 3 0 ⊙ 8 ⠿ 3 ◪ O
	4000 K	7530 lm		
82 W	3000 K	8890 lm	2936	0 5 8 - 3 0 ⊙ 9 ⠿ 3 ◪ O
	4000 K	9410 lm		

SETA 60 surface / suspended

| ▨ | UGR ≤19 | RG 0 IEC 62471 | DALI 1 ADDR. | ⏚ 220-240V | X-PERT | X-PERT |
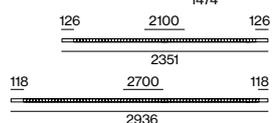
REFLECTOR DIRECT

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
19.3 W	3000 K	2670 lm	1181	0 5 8 - 4 0 ⊙ 4 ⠿ 3 ◪ ◼
	4000 K	3040 lm		
24 W	3000 K	3240 lm	1474	0 5 8 - 4 0 ⊙ 5 ⠿ 3 ◪ ◼
	4000 K	3370 lm		
45 W	3000 K	6240 lm	2351	0 5 8 - 4 0 ⊙ 8 ⠿ 3 ◪ ◼
	4000 K	7100 lm		
58 W	3000 K	8020 lm	2936	0 5 8 - 4 0 ⊙ 9 ⠿ 3 ◪ ◼
	4000 K	9130 lm		

SETA 60 suspended

| ▨ | ▨ | UGR ≤19 | RG 0 IEC 62471 | DALI 1 ADDR. | ⏚ 220-240V | X-PERT | X-PERT |
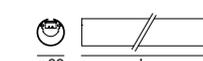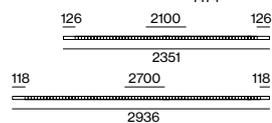
REFLECTOR DIRECT / INDIRECT

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
45 W (2×DALI)	3000 K	↓2670 / ↑3530 lm	1181	0 5 8 - 4 1 ⊙ 4 ⠿ 3 ◪ ◼
	4000 K	↓3040 / ↑4010 lm		
56 W (2×DALI)	3000 K	↓3240 / ↑4380 lm	1474	0 5 8 - 4 1 ⊙ 5 ⠿ 3 ◪ ◼
	4000 K	↓3370 / ↑4980 lm		
92 W (2×DALI)	3000 K	↓6240 / ↑7050 lm	2351	0 5 8 - 4 1 ⊙ 8 ⠿ 3 ◪ ◼
	4000 K	↓7100 / ↑8030 lm		
116 W (2×DALI)	3000 K	↓8020 / ↑8820 lm	2936	0 5 8 - 4 1 ⊙ 9 ⠿ 3 ◪ ◼
	4000 K	↓9130 / ↑10000 lm		

INDIRECT

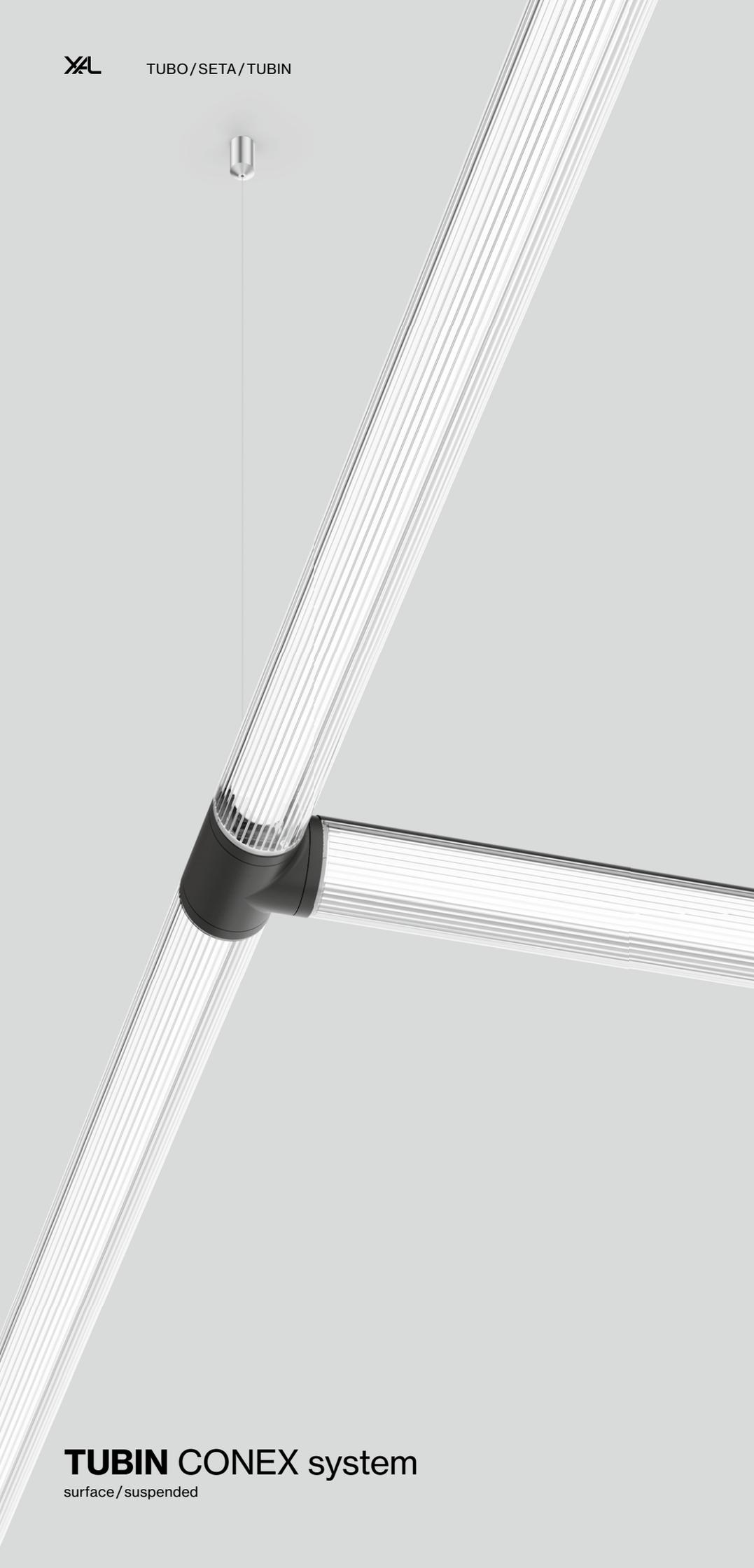| SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
26.1 W	3000 K	3530 lm	1181	0 5 8 - 4 2 ⊙ 4 ⠿ 3 ◪
	4000 K	4010 lm		
33 W	3000 K	4340 lm	1474	0 5 8 - 4 2 ⊙ 5 ⠿ 3 ◪
	4000 K	4510 lm		
52 W	3000 K	7050 lm	2351	0 5 8 - 4 2 ⊙ 8 ⠿ 3 ◪
	4000 K	8030 lm		
65 W	3000 K	8820 lm	2936	0 5 8 - 4 2 ⊙ 9 ⠿ 3 ◪
	4000 K	10000 lm		

Accessories

see next page

LUMINOUS FLUX value calculated for
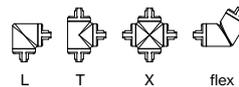CRI ≥ 80, colour white, cover opal
or reflector chrome

Quickinfo

3000 K, 4000 K
CRI ≥ 80, 3 SDCM
up to 133 lm/W
up to 3160 lm/m
L90@50000h
DALI-2
lens / clear cover

Types

surface   suspended

ø 60

ø 60

1181

1447

2351

2936

CONEX connector

L   T   X   flex
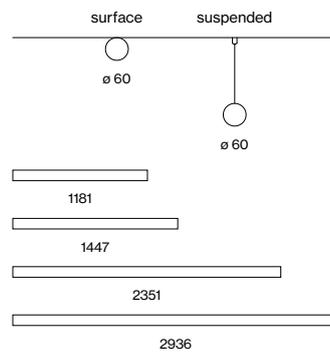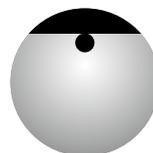
Colours

Light distributions

direct   direct
340°   340°

combinable with
TUBO & SETA

340° uniform
illumination

up to 133 lm/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 ⠿
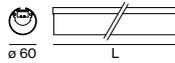
3000 K	5
4000 K	6

CONTROL

DALI-2

MATERIAL COLOUR ◨

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

TUBIN 60 surface / suspended

■	RG 0 IEC 62471	DALI 1 ADDR.	220-240 V	X-PERT	X-PERT

ø 60 · L

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
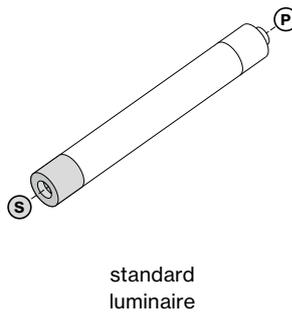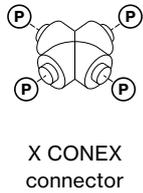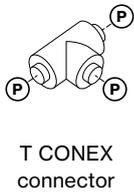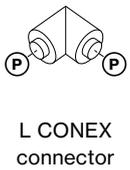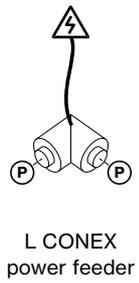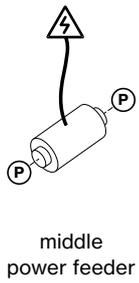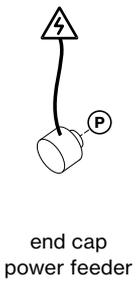
LUMINOUS FLUX value calculated for
CRI ≥ 80, colour white, cover opal
or reflector chrome

Configuration example

Components

end cap
power feeder

middle
power feeder

L CONEX
power feeder

linear
connector

end cap

L CONEX
connector

T CONEX
connector

X CONEX
connector

standard
luminaire

CONEX
luminaire
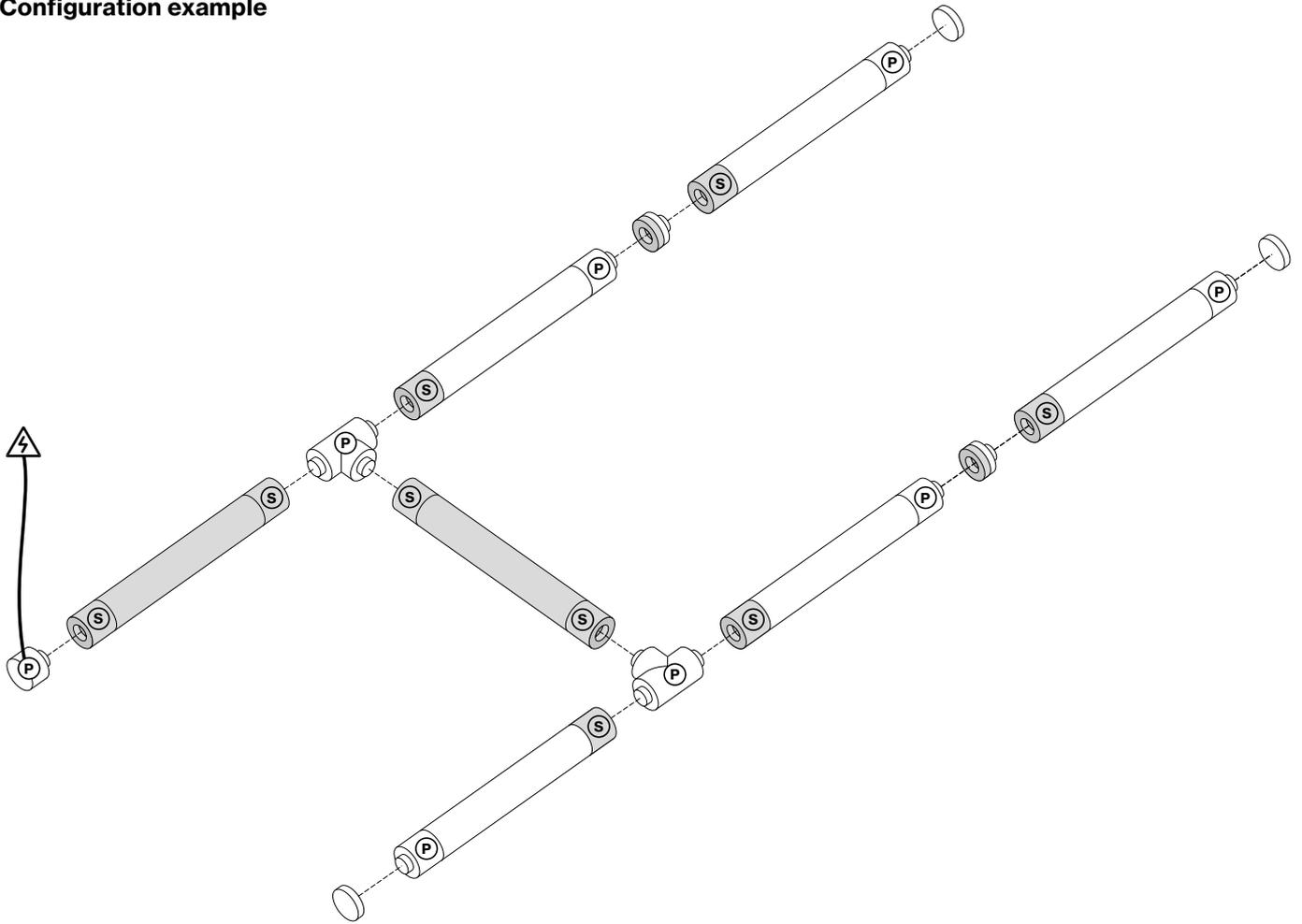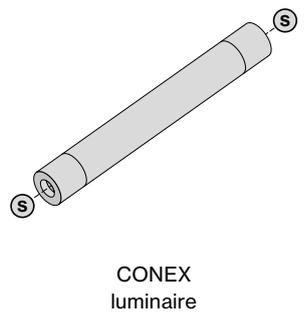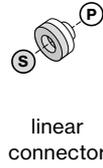
Order options

MATERIAL COLOUR ◨
○ pure white RAL 9010   7
● jet black RAL 9005   8

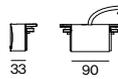## MATERIAL COLOUR CABLE SUSPENSION ■
⬩ chrome   0
● black   8

Accessories

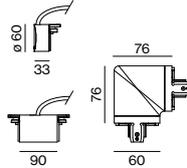## END CAP

TYPE		ORDER CODE
end cap		058-301001◨

POWER FEEDER SURFACE

TYPE		ORDER CODE
end cap power feeder	Ⓟ	058-301021◨
middle power feeder*	ⓅⓅ	058-301121◨

*incl. feeder cable 5×1.5 mm²
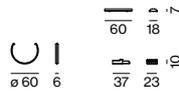
POWER FEEDER SUSPENDED incl. feeder cable 5×1.5 mm²

TYPE		L (mm)	ORDER CODE
end cap power feeder	Ⓟ	1500	058-301041◨
middle power feeder*	ⓅⓅ	1500	058-301131◨
L CONEX power feeder**	ⓅⓅ	1500	058-301873◨
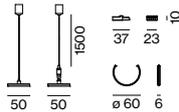
*order cable suspension separately; **order CONEX cable suspension separately
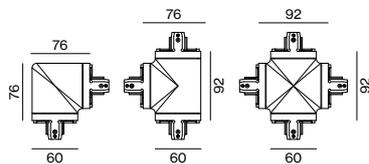
LINEAR CONNECTOR

TYPE		ORDER CODE
linear connector mechanical		058-301311◨
linear connector mechanical & electrical	ⓅⓈ	058-301312◨

LINEAR CONNECTOR SUSPENDED incl. cable suspension 1500 mm

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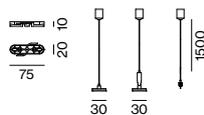
CONEX CONNECTOR

TYPE		ORDER CODE
L CONEX connector mech. & electr.	ⓅⓅ	058-301872◨
T CONEX connector mech. & electr.	ⓅⓅⓅ	058-301882◨
X CONEX connector mech. & electr.	ⓅⓅⓅⓅ	058-301892◨
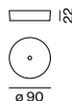
order CONEX cable suspension separately

MOUNTING SET

TYPE	L (mm)	ORDER CODE
ceiling mounting set	75	058-301411◨
cable suspension	1500	058-301421■
cable suspension angular max. 60°	1500	058-301431■
CONEX 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
585	058-490203◨
1185	058-490403◨
2351	058-490803◨
2936	058-490903◨

SENSOR DALI-2

TYPE		ORDER CODE
ESSENTIAL (brightness & presence)	ⓅⓅ	058-301911◨
SENSE (brightness, presence, temperature, sound pressure, humidity, CO₂)	ⓅⓅ	058-301921◨