

TUBO/SETA/TUBIN 60 CONEX system

surface/suspended

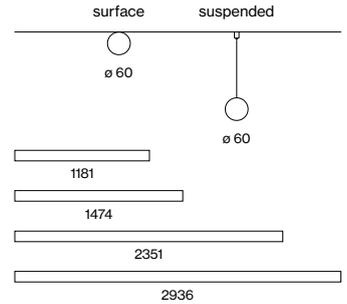
EN Cylindrical lighting system in aluminium; powder coated; ceiling surface mounting or suspended mounting; height adjustment without tools; incl. feeder cable; electrical connection of the luminaires via plug/socket system; optionally connectors (L-, T- or X-shape); luminaire connection rotatable around 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

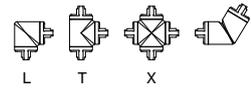
Quickinfo

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



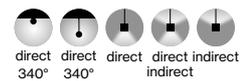
CONEX connector



Colours



Light distributions



connector
CONEX



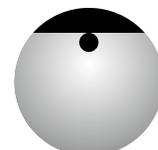
combinable with
TUBO & SETA



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

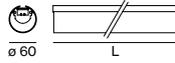
COLOUR TEMPERATURE	
3000 K (CRI _≥ 90)	0
4000 K (CRI _≥ 90)	1
3000 K (CRI _≥ 80)	5
4000 K (CRI _≥ 80)	6

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	3000 K	3180 lm	1181	0 5 8 - 3 0 0 4 :: 3 0
	4000 K	3620 lm		
34 W	3000 K	3950 lm	1474	0 5 8 - 3 0 0 5 :: 3 0
	4000 K	4490 lm		
54 W	3000 K	6300 lm	2351	0 5 8 - 3 0 0 8 :: 3 0
	4000 K	7170 lm		
67 W	3000 K	7880 lm	2936	0 5 8 - 3 0 0 9 :: 3 0
	4000 K	8970 lm		

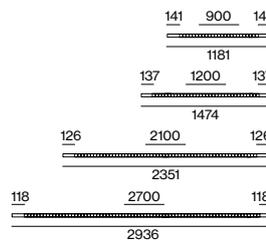


SETA 60 surface/suspended



REFLECTOR DIRECT

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

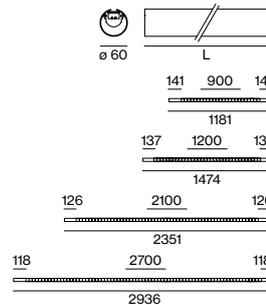


SETA 60 suspended



REFLECTOR DIRECT / INDIRECT

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



INDIRECT

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



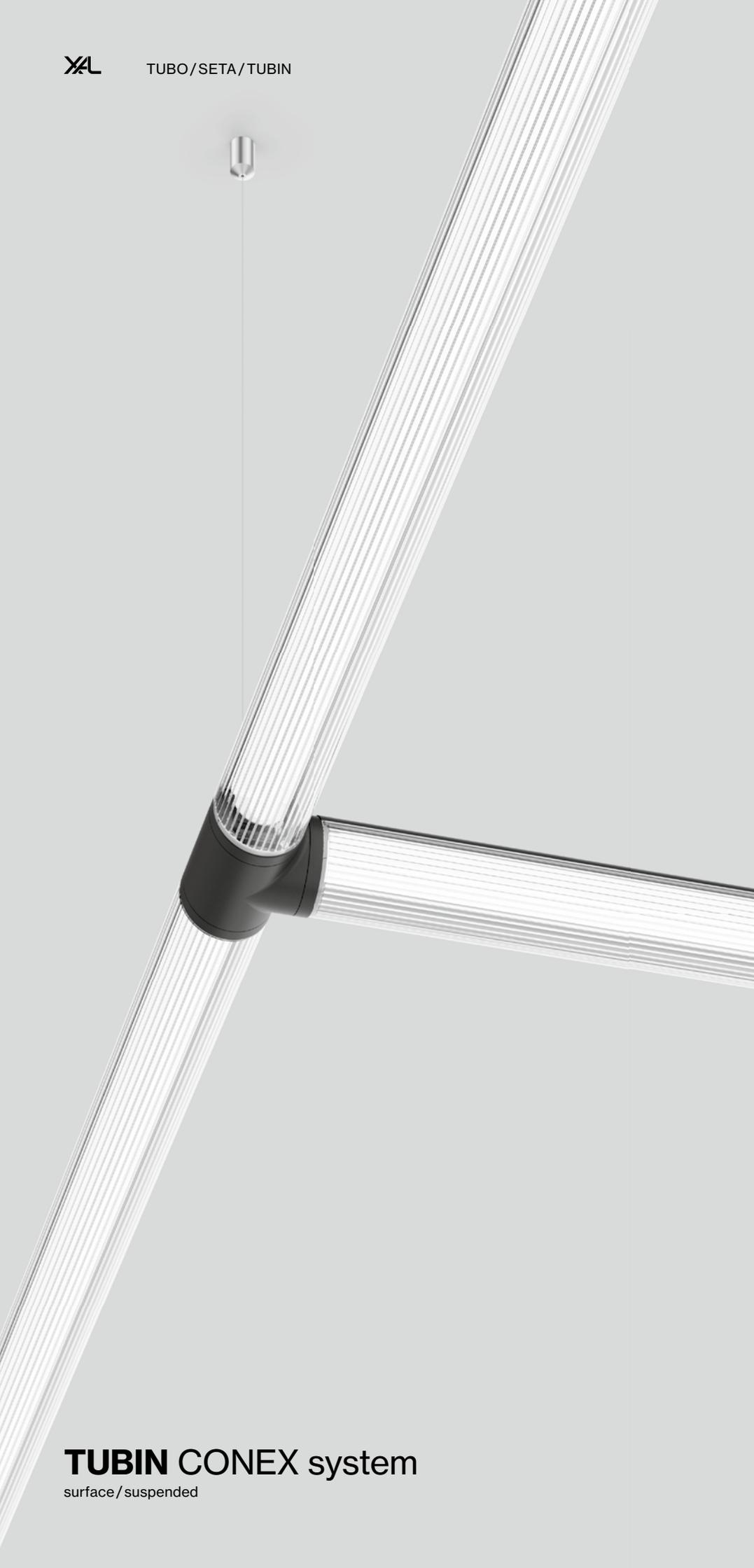
Accessories

see next page

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



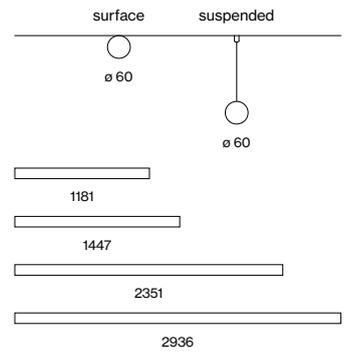
TUBO/SETA/TUBIN



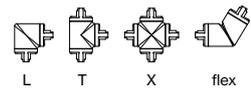
Quickinfo

3000 K, 4000 K
CRI ≥ 80, CRI ≥ 90, 3 SDCM
up to 143 lm/W
up to 3280 lm/m
L90@50 000 h
DALI-2
lens / clear cover

Types



CONEX connector



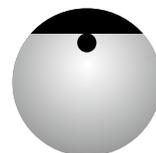
Colours



Light distributions



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

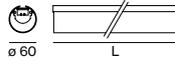
3000 K (CRI \geq 90)	0
4000 K (CRI \geq 90)	1
3000 K (CRI \geq 80)	5
4000 K (CRI \geq 80)	6

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



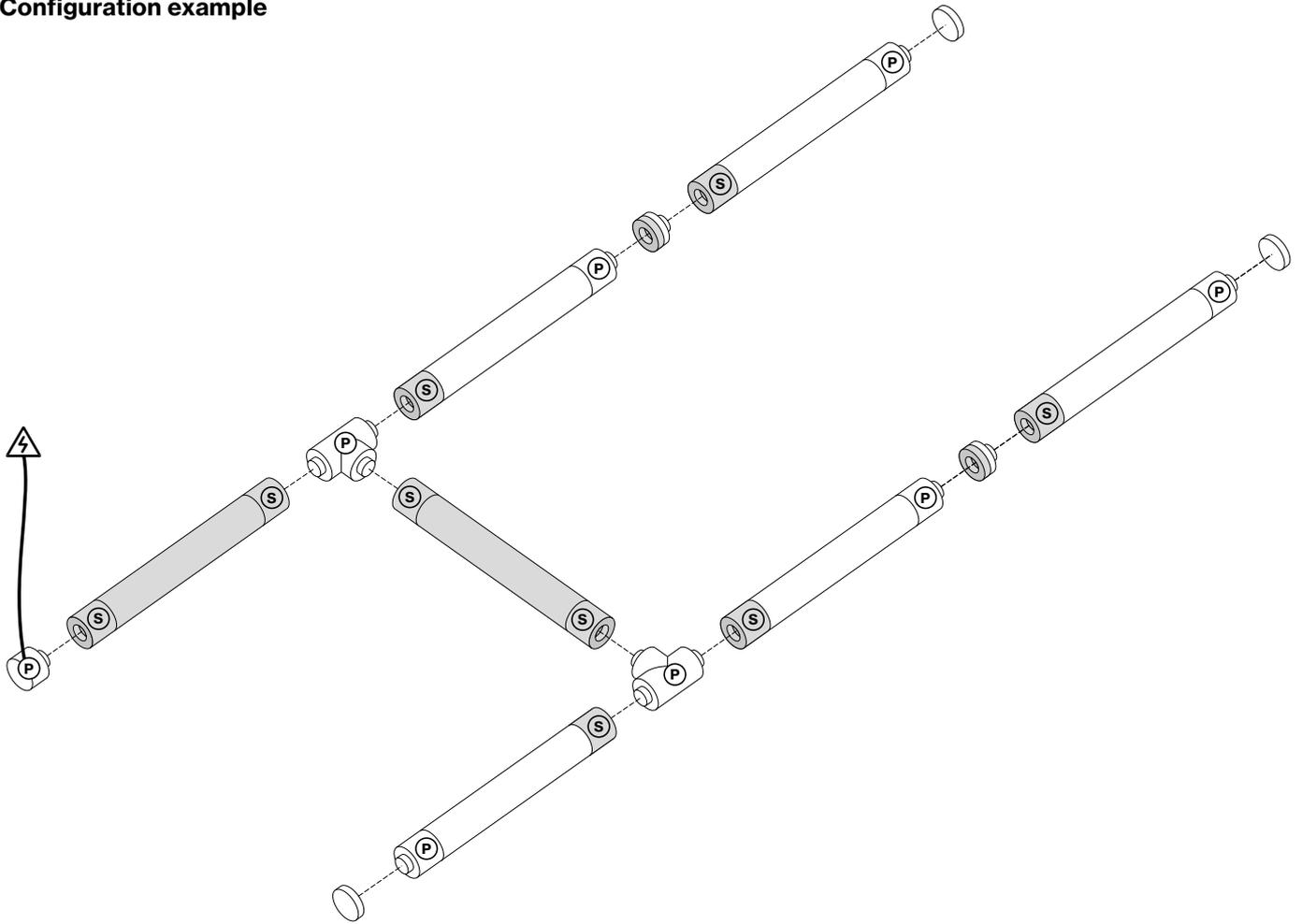
CLEAR 340° DIRECT

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		

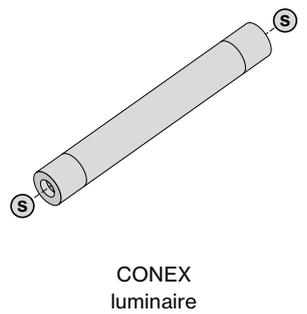
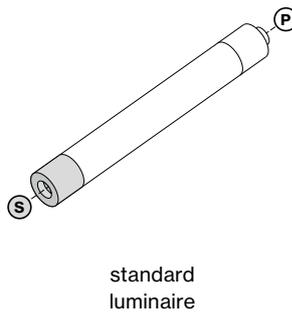
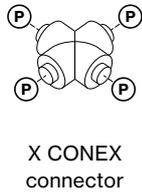
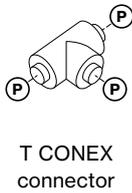
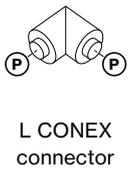
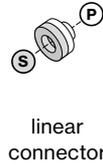
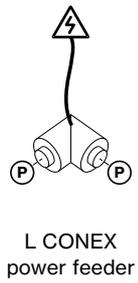
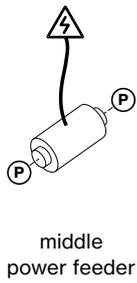
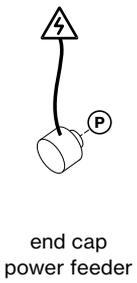
Accessories

see next page

Configuration example



Components



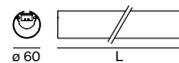
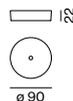
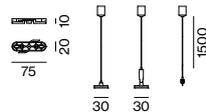
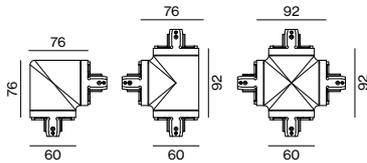
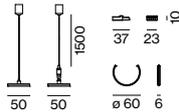
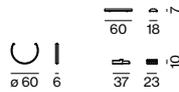
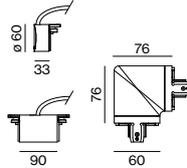
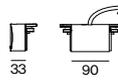
Order options

THROUGH WIRE TYPE	<input checked="" type="checkbox"/>
standard	2
CONEX L/T/X	3

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

MATERIAL COLOUR	<input checked="" type="checkbox"/>
pure white RAL 9010	7
jet black RAL 9005	8

MATERIAL COLOUR	<input checked="" type="checkbox"/>
CABLE SUSPENSION	<input checked="" type="checkbox"/>
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 5×1.5mm²

POWER FEEDER SUSPENDED incl. feeder cable 5×1.5mm²

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 1500mm

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, CO ₂)		058-301921