

# TUBO/SETA/TUBIN 60 CONEX system

surface/suspended

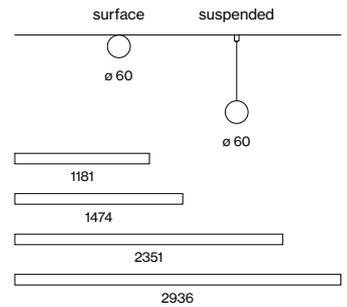
**EN** Cylindrical lighting system in aluminium; powder coated; wall-/ceiling surface mounting or suspended mounting; height adjustment without tools; incl. feeder cable; electrical connection of the luminaires via plug/socket system; optionally connectors (L-, T- or X-shape); luminaire connection rotatable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

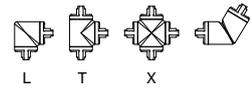
## Quickinfo

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

## Types



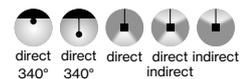
CONEX connector



## Colours



## Light distributions



connector  
CONEX



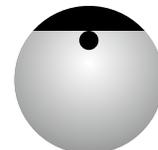
combinable with  
TUBO & SETA



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

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

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

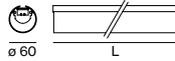
<b>COLOUR TEMPERATURE</b>	<input checked="" type="checkbox"/>
3000 K (CRI <sub>≥</sub> 90)	0
4000 K (CRI <sub>≥</sub> 90)	1
3000 K (CRI <sub>≥</sub> 80)	5
4000 K (CRI <sub>≥</sub> 80)	6

## CONTROL

DALI-2

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

<b>REFLECTOR COLOUR</b>	<input checked="" type="checkbox"/>
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
	4000K	3620lm		
34 W	3000K	3950lm	1474	0 5 8 - 3 0
	4000K	4490lm		
54 W	3000K	6300lm	2351	0 5 8 - 3 0
	4000K	7170lm		
67 W	3000K	7880lm	2936	0 5 8 - 3 0
	4000K	8970lm		

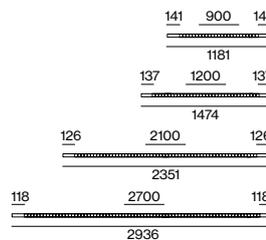


## SETA 60 surface/suspended



### REFLECTOR DIRECT

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

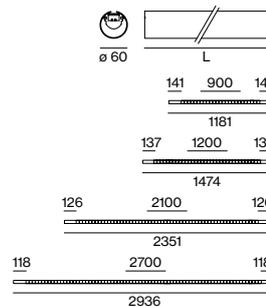


## SETA 60 suspended



### REFLECTOR DIRECT / INDIRECT

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



### INDIRECT

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



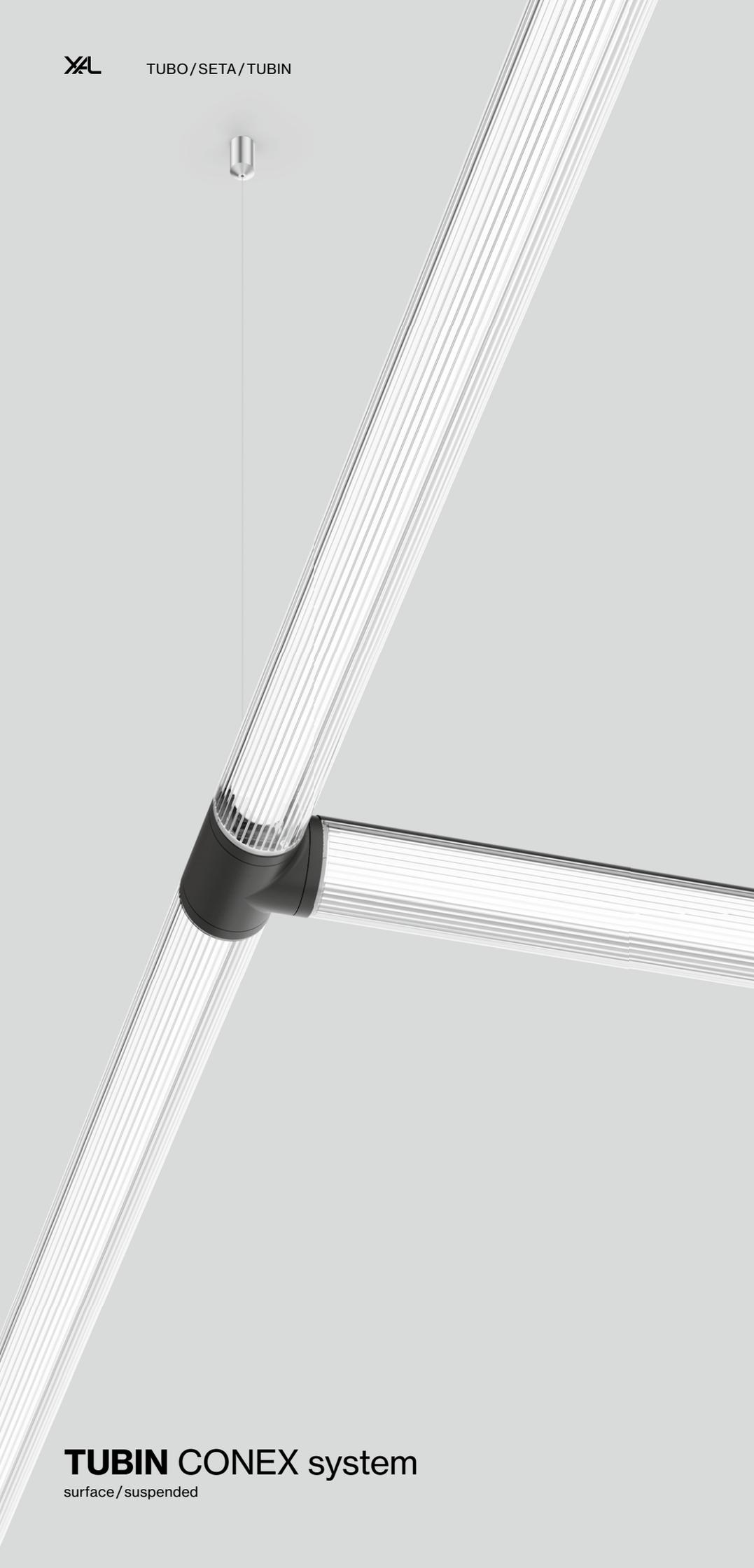
## Accessories

see next page

**LUMINOUS FLUX** value calculated for  
CRI<sub>≥</sub>80, colour white, cover opal  
or reflector chrome  
CRI<sub>≥</sub>90 -18%



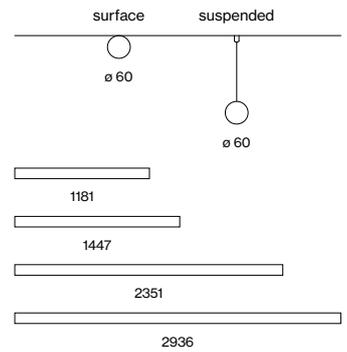
TUBO/SETA/TUBIN



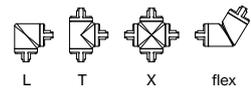
### Quickinfo

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



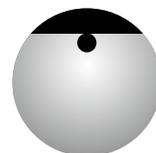
### Colours



### 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

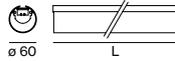
between two CONEX connectors  
one CONEX luminaire or blind channel  
is needed

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

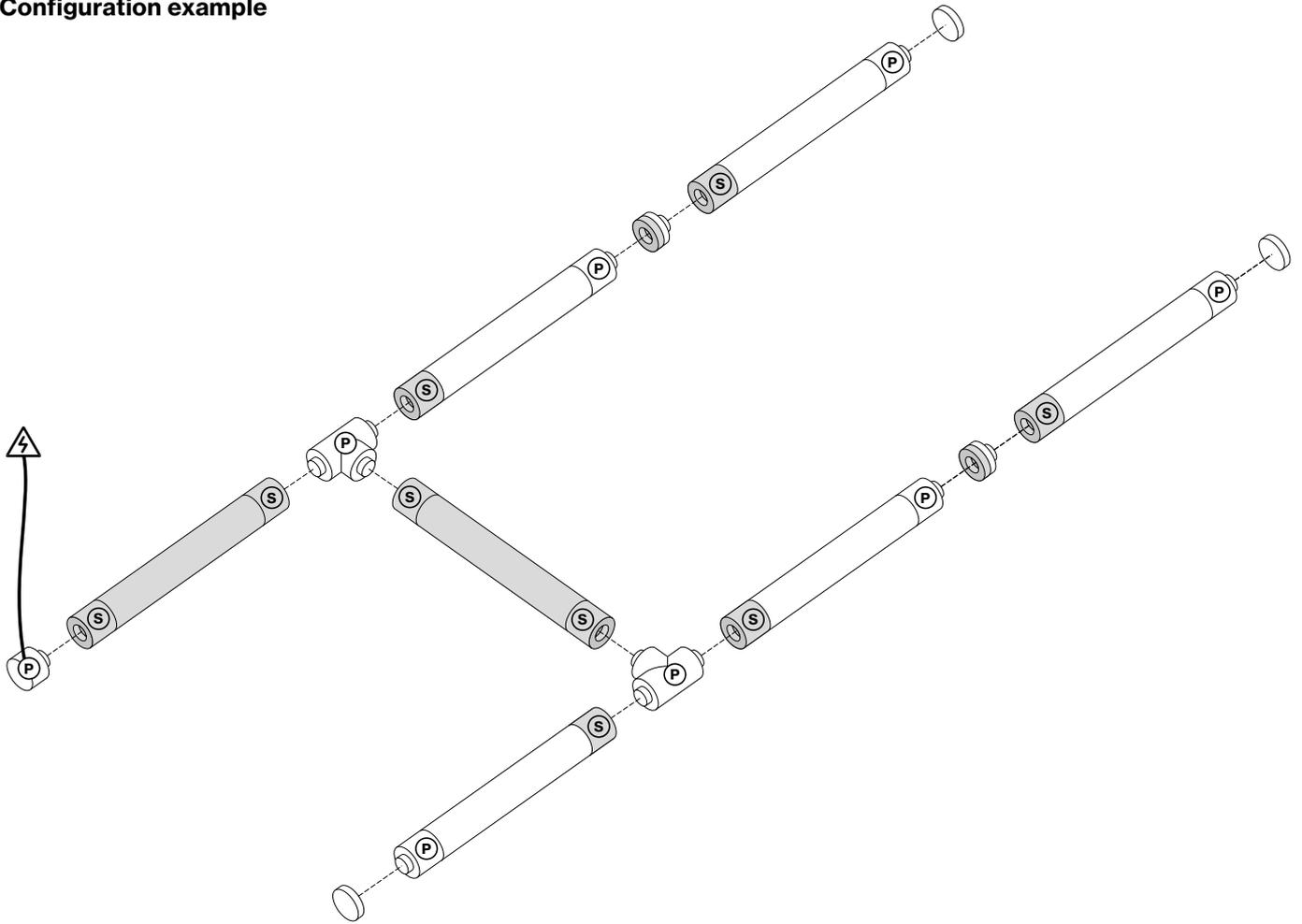
SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
27.9 W	3000 K	3400 lm	1181	0 5 8 - 5 0 4 :: 3 C
	4000 K	3870 lm		
34 W	3000 K	4220 lm	1474	0 5 8 - 5 0 5 :: 3 C
	4000 K	4800 lm		
54 W	3000 K	6750 lm	2351	0 5 8 - 5 0 8 :: 3 C
	4000 K	7680 lm		
67 W	3000 K	8430 lm	2936	0 5 8 - 5 0 9 :: 3 C
	4000 K	9590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

## Accessories

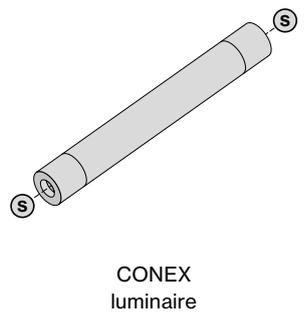
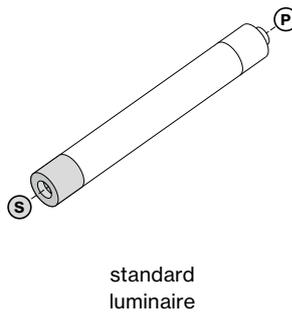
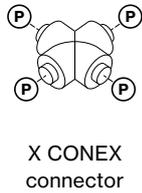
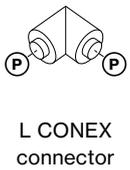
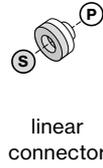
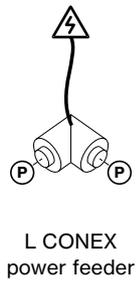
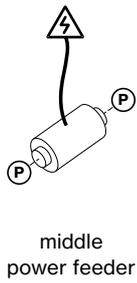
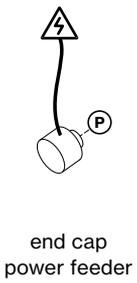
see next page

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 	2
CONEX L/T/X 	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

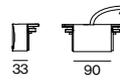
### END CAP

TYPE	ORDER CODE
end cap	058-301001 

### POWER FEEDER SURFACE

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

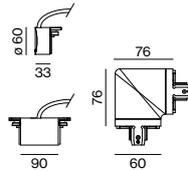
\*incl. feeder cable 5×1.5mm<sup>2</sup>



### POWER FEEDER SUSPENDED incl. feeder cable 5×1.5mm<sup>2</sup>

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



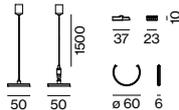
### LINEAR CONNECTOR

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



### LINEAR CONNECTOR SUSPENDED incl. cable suspension 1500mm

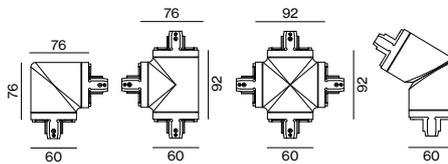
TYPE	L (mm)	ORDER CODE
mechanical	1500	058-301321 
mechanical angular max. 60°	1500	058-301331 
mechanical & electrical 	1500	058-301322 
mech. & electr. angular max. 60° 	1500	058-301332 



### CONEX CONNECTOR

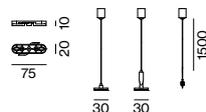
TYPE	ORDER CODE
L CONEX connector mech. & electr.* 	058-301872 
T CONEX connector mech. & electr.* 	058-301882 
X CONEX connector mech. & electr.* 	058-301892 
CONEX flex connector 	058-301862 

\*order CONEX cable suspension separately



### MOUNTING SET

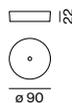
TYPE	L (mm)	ORDER CODE
ceiling mounting set	75	058-301411 
wall mounting accessory	25	058-301441 
cable suspension	1500	058-301421 
cable suspension angular max. 60°	1500	058-301431 
connector cable suspension	1500	058-301811 
tool for CONEX cable suspension	-	050-2049110



### 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) 	058-301911 
SENSE (brightness, presence, temperature, sound pressure, humidity, CO <sub>2</sub> ) 	058-301921 

