



reddot winner 2023



# TUBO/TUBIN 60 CONEX system

surface / suspended

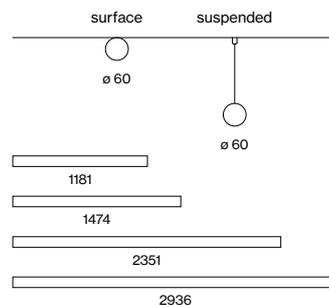
**EN** Cylindrical lighting system in aluminium; surface powder coated; wall-/ceiling surface mounting or suspended mounting; height adjustment without tools; incl. feeder cable; electrical connection of the luminaires via plug/socket system; optionally connectors (flex or L- / T- / X-shape) and BLIND CHANNEL; luminaire connection rotatable around its own axis, which means that any spatial angle can be realized; optionally cylindr. HPO (High Performance Opal) cover or clear, cylindrical cover with linear prismatic optic; light control via high quality lens system for homogeneous illumination; energy-efficient LEDs with very good colour rendering

**FR** Système d'éclairage cylindrique en aluminium ; surface thermolaquée ; applique mur/plafond ou montage suspendu ; réglage en hauteur sans outil ; incl. conduit d'alimentation ; liaison électrique des lampes par système de prise/fiche ; connecteurs optionnels (flex ou en forme de L / T / X) et BLIND CHANNEL ; le raccord du luminaire peut pivoter sur son propre axe offrant ainsi une palette infinie de configurations d'angle ; en option, cache cylindrique HPO (High Performance Opal) ou diffuseur cylindrique clair avec optique à prismes linéaires ; lumière orientée au moyen d'une optique à lentilles de haute qualité pour un éclairage homogène ; LED économes en énergie à restitution de couleur élevée

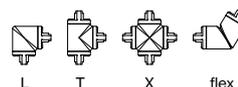
## Quickinfo

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

## Types



CONEX connector



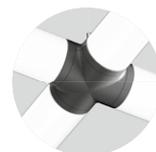
## Colours



## Light distributions



up to 143 lm/W  
(high efficiency)



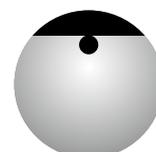
connector  
CONEX



combinable with  
SETA & TRACK



lens/ clear  
cover



340° uniform  
illumination

## Order options

### THROUGH WIRE TYPE

plug/socket 	2
socket/socket 	3

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

### COLOUR TEMPERATURE

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	
--------	--

### MATERIAL COLOUR

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

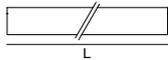


## TUBO 60 CONEX surface/suspended system



### 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 4 :: 3 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	4000 K	3620 lm		
34 W	3000 K	3950 lm	1474	0 5 8 - 3 0 5 :: 3 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	4000 K	4490 lm		
54 W	3000 K	6300 lm	2351	0 5 8 - 3 0 8 :: 3 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	4000 K	7170 lm		
67 W	3000 K	7880 lm	2936	0 5 8 - 3 0 9 :: 3 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	4000 K	8970 lm		



### BLIND CHANNEL incl. through wiring

L (mm)	ORDER CODE
595	0 5 8 - 4 9 2 0 3 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
1181	0 5 8 - 4 9 4 0 3 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
2351	0 5 8 - 4 9 8 0 3 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
2936	0 5 8 - 4 9 9 0 3 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

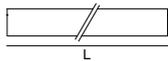


## TUBIN 60 CONEX surface/suspended system



### 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 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	4000 K	3870 lm		
34 W	3000 K	4220 lm	1474	0 5 8 - 5 0 5 :: 3 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	4000 K	4800 lm		
54 W	3000 K	6750 lm	2351	0 5 8 - 5 0 8 :: 3 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	4000 K	7680 lm		
67 W	3000 K	8430 lm	2936	0 5 8 - 5 0 9 :: 3 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	4000 K	9590 lm		



### BLIND CHANNEL incl. through wiring

L (mm)	ORDER CODE
595	0 5 8 - 4 9 2 0 3 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
1181	0 5 8 - 4 9 4 0 3 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
2351	0 5 8 - 4 9 8 0 3 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
2936	0 5 8 - 4 9 9 0 3 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

## Accessories

see last page



reddot winner 2023



## SETA 60 CONEX system

surface/suspended

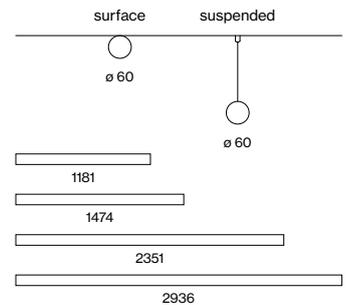
**EN** Cylindrical lighting system in aluminium; surface powder coated; wall-/ceiling surface mounting or suspended mounting; height adjustment without tools; incl. feeder cable; electrical connection of the luminaires via plug/socket system; optionally connectors (flex or L- / T- / X-shape) and BLIND CHANNEL; luminaire connection rotatable around its own axis, which means that any spatial angle can be realized; high gloss reflector with faceted design; direct, indirect or direct / indirect light distribution; indirect light component with integrated PCboards and high quality lens system for homog. ceiling illumination, separately controllable; energy-efficient LEDs with very good colour rendering

**FR** Système d'éclairage cylindrique en aluminium ; surface thermolaquée ; applique mur/plafond ou montage suspendu ; réglage en hauteur sans outil ; incl. conduit d'alimentation ; liaison électrique des lampes par système de prise/fiche ; connecteurs optionnels (flex ou en forme de L / T / X) et BLIND CHANNEL ; le raccord du luminaire peut pivoter sur son propre axe offrant ainsi une palette infinie de configurations d'angle ; réflecteur ultra-brillant avec optique à facettes ; caractéristique de rayonnement direct, indirect ou direct / indirect ; proportion de lumière indir. avec platines propres + optique à lentille pour illum. de plafond homog., commande séparée ; LED économes en énergie à restitution de couleur élevée

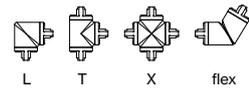
### Quickinfo

3000K, 4000K  
 CRI ≥ 80, CRI ≥ 90, 3 SDCM  
 UGR ≤ 19 / 65° ≤ 3000 cd/m<sup>2</sup>  
 up to 167 lm/W  
 L90 @ 50 000 h  
 DALI-2  
 reflector (UGR ≤ 19)

### Types



CONEX connector



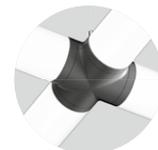
### Colours



### Light distributions



up to 167 lm/W  
(high efficiency)



connector  
CONEX



combinable with TUBO,  
TUBIN & TRACK



DIN EN 12464-1  
UGR ≤ 19



170° indirect  
illumination

## Order options

### THROUGH WIRE TYPE

plug/socket 	2
socket/socket 	3

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

### COLOUR TEMPERATURE

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

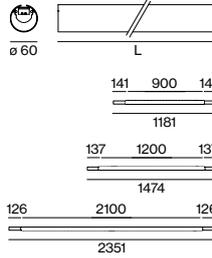
DALI-2	
--------	--

### MATERIAL COLOUR

 pure white RAL 9010	7
 jet black RAL 9005	8

### REFLECTOR COLOUR

 chrome	R
 dark chrome	B



## SETA 60 CONEX surface/suspended system



### REFLECTOR DIRECT

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
18.6 W	3000 K	2650 lm	1181	058-4004::3 
	4000 K	3010 lm		
24.9 W	3000 K	3530 lm	1474	058-4005::3 
	4000 K	4010 lm		
43 W	3000 K	6170 lm	2351	058-4008::3 
	4000 K	7030 lm		
54 W	3000 K	7940 lm	2936	058-4009::3 
	4000 K	9030 lm		

### BLIND CHANNEL incl. through wiring

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



## SETA 60 CONEX suspended system



### REFLECTOR DIRECT / INDIRECT

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
42 W	3000 K	↓ 2620 ↑ 3260 lm	1181	058-4104::3 
(2 × DALI)	4000 K	↓ 3010 ↑ 3710 lm		
53 W	3000 K	↓ 3530 ↑ 4070 lm	1474	058-4105::3 
(2 × DALI)	4000 K	↓ 4010 ↑ 4630 lm		
87 W	3000 K	↓ 6170 ↑ 6510 lm	2351	058-4108::3 
(2 × DALI)	4000 K	↓ 7030 ↑ 7410 lm		
110 W	3000 K	↓ 7940 ↑ 8140 lm	2936	058-4109::3 
(2 × DALI)	4000 K	↓ 9030 ↑ 9270 lm		

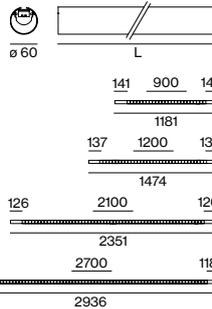


### INDIRECT

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
24.1 W	3000 K	3260 lm	1181	058-4204::3 
	4000 K	3710 lm		
29.5 W	3000 K	4070 lm	1474	058-4205::3 
	4000 K	4630 lm		
47 W	3000 K	6510 lm	2351	058-4208::3 
	4000 K	7410 lm		
58 W	3000 K	8140 lm	2936	058-4209::3 
	4000 K	9270 lm		

### BLIND CHANNEL incl. through wiring

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



## Accessories

see last page

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



## TRACK 60 CONEX system

surface/suspended

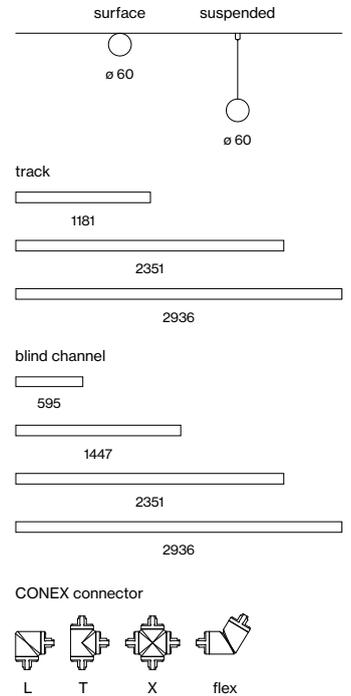
**EN** Cylindrical power track module in aluminium; surface powder coated; wall-/ ceiling surface mounting or suspended mounting; height adjustment without tools; with integrated 1-phase power track (L, N, PE) + 2 DALI copper conductors; designed for continuous lighting systems; optionally connectors (flex or L- / T- / X-shape) and BLIND CHANNEL; power track connection rotatable around its own axis, which means that any spatial angle can be realized; insets, incl. high power adapter + converter can be installed flexibly and without tools

**FR** Module de rail électrique cylindrique en aluminium ; surface thermolaquée ; applique mur/ plafond ou montage suspendu ; réglage en hauteur sans outil ; rail électrique monophasé intégré (L, N, PE) + 2 conducteurs en cuivre DALI inclus ; conçu pour système d'éclairage continu ; connecteurs optionnels (flex ou en forme de L / T / X) et BLIND CHANNEL ; connexion des rails électriques pivotant autour de leur propre axe, permettant ainsi de réaliser n'importe quel angle ; montage flexible et sans outil des inserts, y compris adaptateur high power + convertisseur

### Quickinfo

DALI-2

### Types



### Colours



powerful 230V  
phase track



connector  
CONEX



combinable with  
TUBO, TUBIN & SETA

## Order options

### THROUGH WIRE TYPE

plug/socket 	2
socket/socket 	3

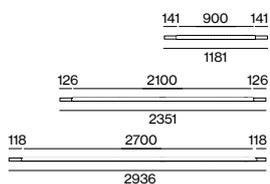
between two CONEX connectors  
one socket/socket luminaire or blind  
channel is needed

### CONTROL

DALI-2	
--------	--

### MATERIAL COLOUR

 pure white RAL 9010	7
 jet black RAL 9005	8



## TRACK 60 CONEX surface/suspended system



### TRACK

L (mm)

1181	
2351	
2936	

ORDER CODE

058-48		403	
058-48		803	
058-48		903	

### BLIND CHANNEL incl. through wiring

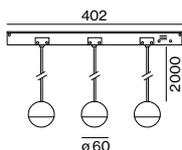
L (mm)

595	
1181	
2351	
2936	

ORDER CODE

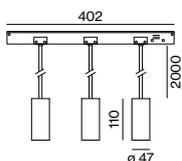
058-49		203	
058-49		403	
058-49		803	
058-49		903	

## Compatible Spotlights



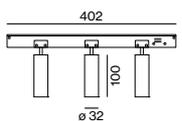
### NOBA 60

TYPE	INSET POWER	LUMINOUS FLUX	ORDER CODE
1 lamp	10 W	up to 1040lm	see MOVE IT PRO
2 lamps	19.2 W	up to 2090lm	see MOVE IT PRO
3 lamps	28.8 W	up to 3130lm	see MOVE IT PRO



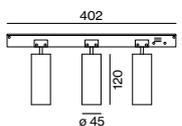
### ARY

TYPE	INSET POWER	LUMINOUS FLUX	ORDER CODE
1 lamp	14.1W	up to 1560lm	see MOVE IT PRO
2 lamps	28.2W	up to 3130lm	see MOVE IT PRO
3 lamps	41 W	up to 4679lm	see MOVE IT PRO



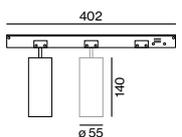
### BO 32

TYPE	INSET POWER	LUMINOUS FLUX	ORDER CODE
1 lamp	10.7W	up to 804lm	see BO 32/45/55
2 lamps	20.5W	up to 1440lm	see BO 32/45/55
3 lamps	32W	up to 2380lm	see BO 32/45/55



### BO 45

TYPE	INSET POWER	LUMINOUS FLUX	ORDER CODE
1 lamp	15.9W	up to 1400lm	see BO 32/45/55
2 lamps	32 W	up to 2660lm	see BO 32/45/55
3 lamps	42 W	up to 2360lm	see BO 32/45/55



### BO 55

TYPE	INSET POWER	LUMINOUS FLUX	ORDER CODE
1 lamp	24.8 W	up to 1940lm	see BO 32/45/55
2 lamps	43 W	up to 3460lm	see BO 32/45/55

## Accessories

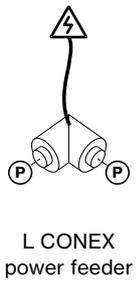
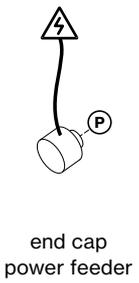
see last page

**INSET POWER** is the current  
consumption excluding any ballast  
**LUMINOUS FLUX** value calculated for  
CRI ≥ 80, colour white, cover opal  
CRI ≥ 90 -18 %

**Configuration example**



**Components**



## Order options

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

MATERIAL COLOUR		<input checked="" type="checkbox"/>
CABLE SUSPENSION		
✓ chrome	0	
● black	8	

## Accessories

### END CAP

TYPE	ORDER CODE
end cap	058-301001 <input checked="" type="checkbox"/>



### POWER FEEDER SURFACE

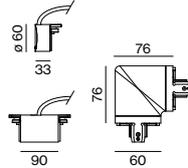
TYPE	ORDER CODE
end cap power feeder <span style="float: right;">(P)</span>	058-301021 <input checked="" type="checkbox"/>
middle power feeder* <span style="float: right;">(P)(P)</span>	058-301121 <input checked="" type="checkbox"/>



\*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 <span style="float: right;">(P)</span>	1500	058-301041 <input checked="" type="checkbox"/>
middle power feeder* <span style="float: right;">(P)(P)</span>	1500	058-301131 <input checked="" type="checkbox"/>
L CONEX power feeder** <span style="float: right;">(P)(P)</span>	1500	058-301873 <input checked="" type="checkbox"/>



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

### LINEAR CONNECTOR

TYPE	ORDER CODE
linear connector mechanical	058-301311 <input checked="" type="checkbox"/>
linear connector mechanical & electrical <span style="float: right;">(P)(S)</span>	058-301312 <input checked="" type="checkbox"/>



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

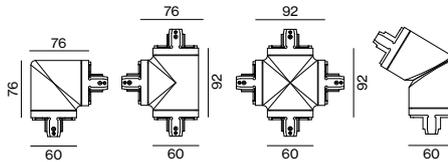
TYPE	L (mm)	ORDER CODE
mechanical	1500	058-301321 <input checked="" type="checkbox"/>
mechanical angular max. 60°	1500	058-301331 <input checked="" type="checkbox"/>
mechanical & electrical <span style="float: right;">(P)(S)</span>	1500	058-301322 <input checked="" type="checkbox"/>
mech. & electr. angular max. 60° <span style="float: right;">(P)(S)</span>	1500	058-301332 <input checked="" type="checkbox"/>



### CONEX CONNECTOR

TYPE	ORDER CODE
L CONEX connector mech. & electr.* <span style="float: right;">(P)(P)</span>	058-301872 <input checked="" type="checkbox"/>
T CONEX connector mech. & electr.* <span style="float: right;">(P)(P)(P)</span>	058-301882 <input checked="" type="checkbox"/>
X CONEX connector mech. & electr.* <span style="float: right;">(P)(P)(P)(P)</span>	058-301892 <input checked="" type="checkbox"/>
CONEX flex connector <span style="float: right;">(P)(P)</span>	058-301862 <input checked="" type="checkbox"/>

\*order CONEX cable suspension separately



### MOUNTING SET

TYPE	L (mm)	ORDER CODE
ceiling mounting set	75	058-301411 <input checked="" type="checkbox"/>
wall mounting accessory	25	058-301441 <input checked="" type="checkbox"/>
cable suspension	1500	058-301421 <input checked="" type="checkbox"/>
cable suspension angular max. 60°	1500	058-301431 <input checked="" type="checkbox"/>
connector cable suspension	1500	058-301811 <input checked="" type="checkbox"/>
tool for CONEX cable suspension	-	050-2049110



### CANOPY

TYPE	Ø-H (mm)	ORDER CODE
canopy	90-22	005-260003 <input checked="" type="checkbox"/>



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

### SENSOR DALI-2

TYPE	L (mm)	ORDER CODE
ESSENTIAL (brightness & presence) <span style="float: right;">(P)(P)</span>	90	058-301911 <input checked="" type="checkbox"/>
SENSE (brightness, presence, temperature, sound pressure, humidity, CO <sub>2</sub> ) <span style="float: right;">(P)(P)</span>	155	058-301921 <input checked="" type="checkbox"/>



order linear connector mechanical & electrical separately