

LUCE[®]

LIGHT
AS AN EXPRESSION
OF LIFE

TONDO SYSTEM



TONDO

Using pipe connection concept
Pole creates vertical, horizontal, mesh,
Irregular, flexible, creative style
To meet all kinds of requirement.



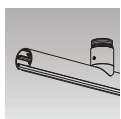
ETL Approved

TONDO



LIGHT
AS AN EXPRESSION
OF LIFE

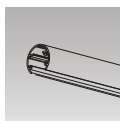
TONDO TRACK



TL-POT

TT application track

P.10



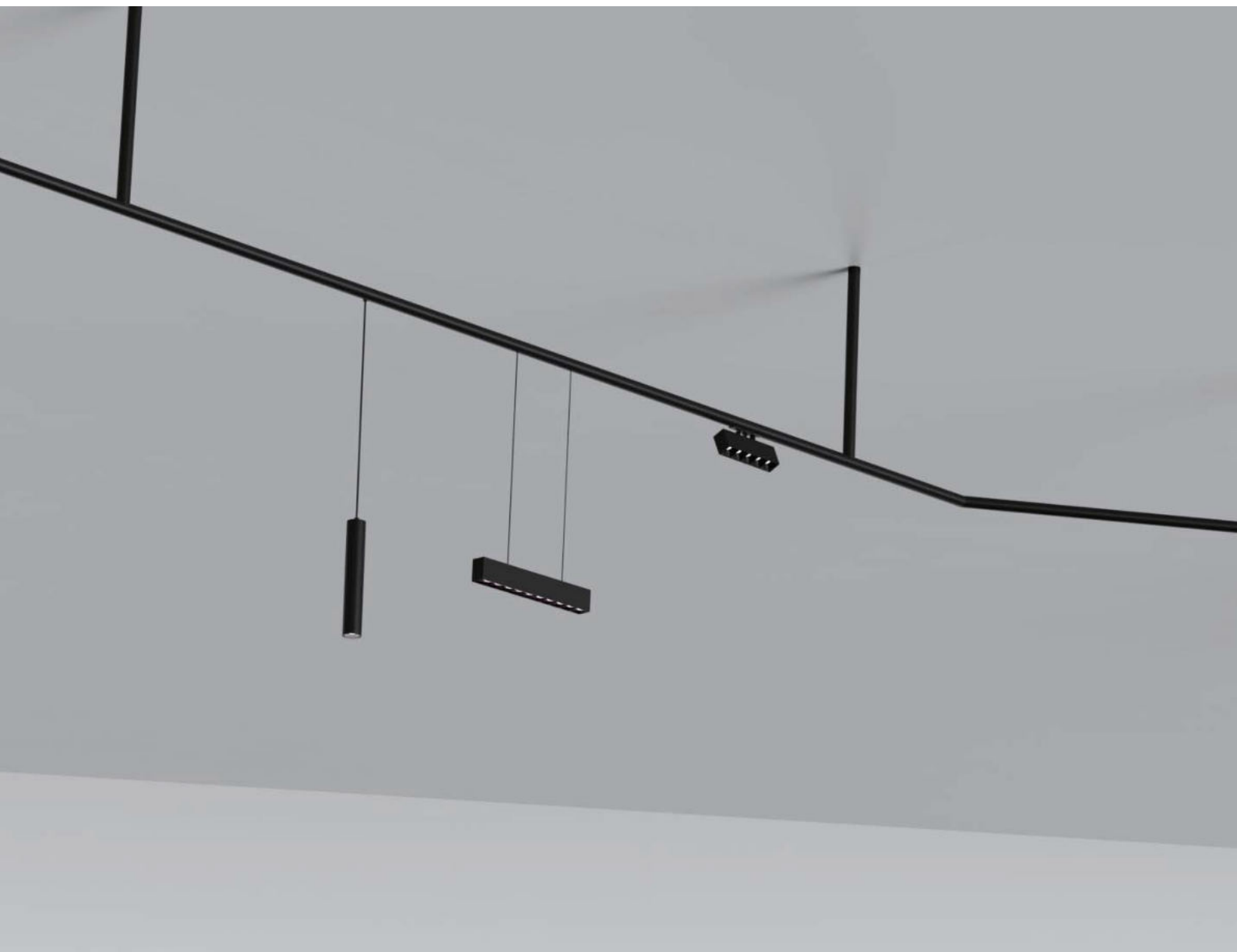
TL-POT

ITI application track

P.10

TONDO MODULES

	Series name	LED Consumption	Lumen	
	TONDO - L	2W 6W 12W	115 (lm) 344 (lm) 616 (lm)	P.19
	TONDO - S	6.4W	626 (lm)	P.21
	TONDO - S	2.2W	50~70 (lm)	P.21
	TONDO - K	11W	1000 (lm)	P.22
	TONDO - C	6.4W	626 (lm)	P.23
	TONDO - KC	22W	2000 (lm)	P.24



TONDO modules

LED module can be installed easily with variety of style to choose from.

Pendant module can be used on desktop, countertop

Spot module can be used on focal lighting.

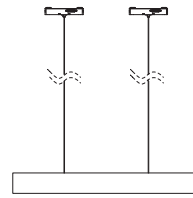
Linear module can be used as general lighting.

Pendant lights

TONDO - C
6.4W



TONDO - KC
22W



TONDO



Spot lights

TONDO - S

6.4W

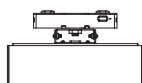


2.2W



TONDO - K

11W



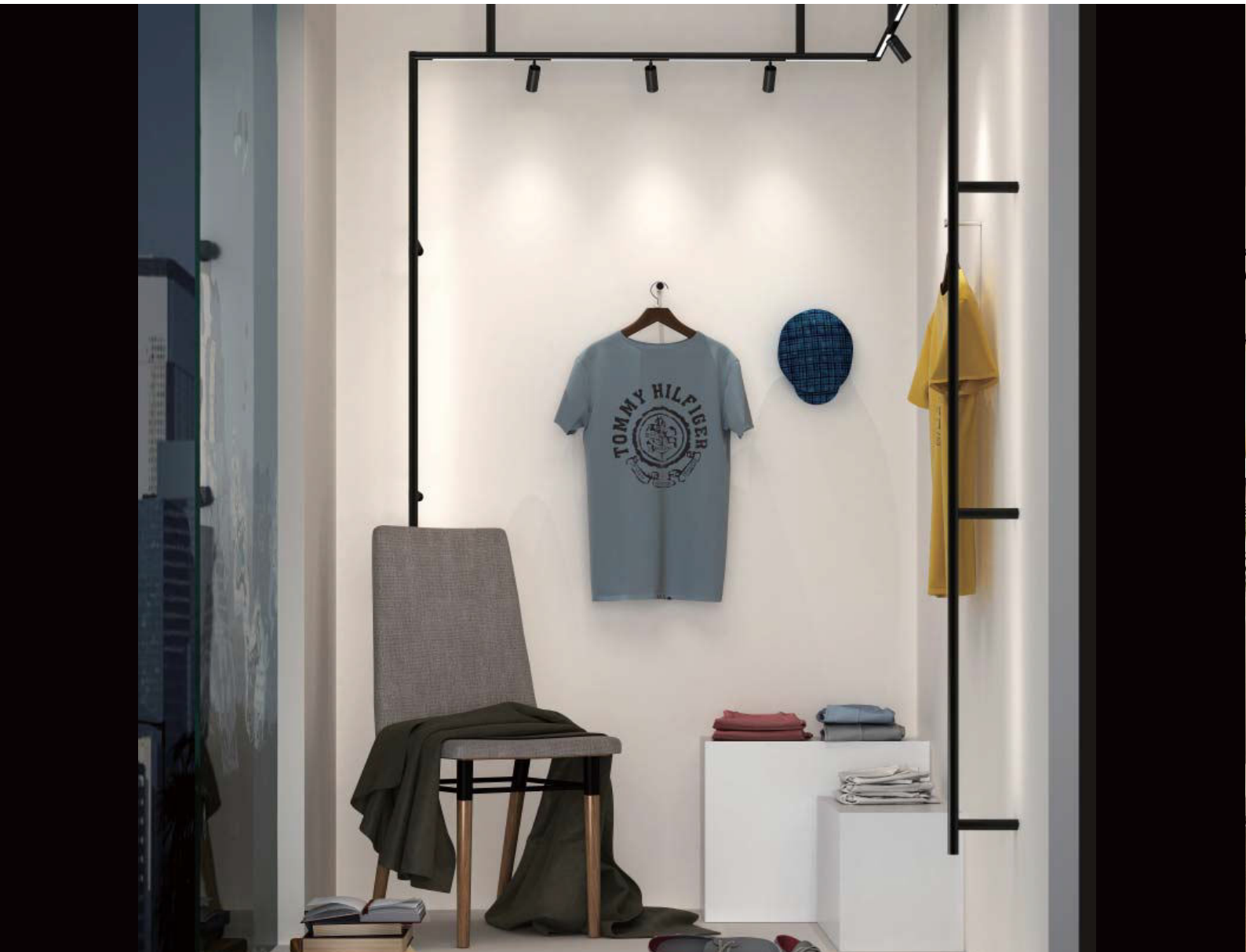
Strip lights

TONDO - L 100mm 2W / 300mm 6W / 600mm 12W



TONDO - L - S 100mm 2W / 300mm 6W / 600mm 12W





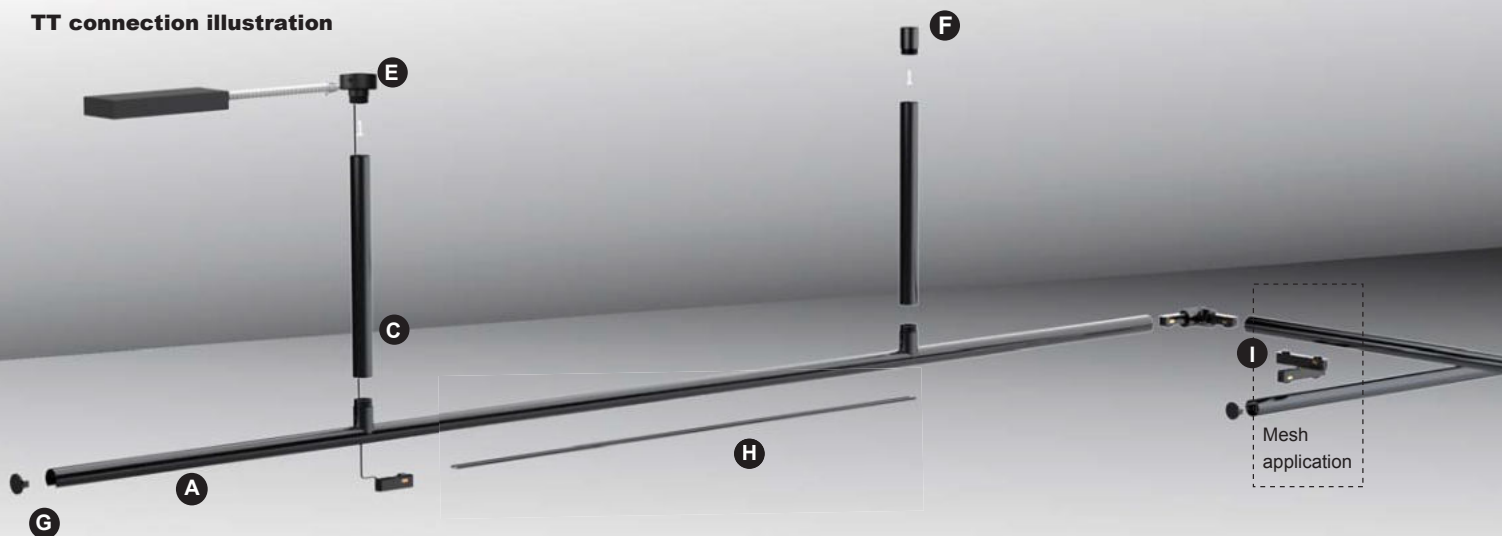
TONDO application

Suitable for open space, combining with nordic leisure industrial style furniture,
Use different LED module to light up individual area for unique lighting effect.
LED module is designed to be click on installation.

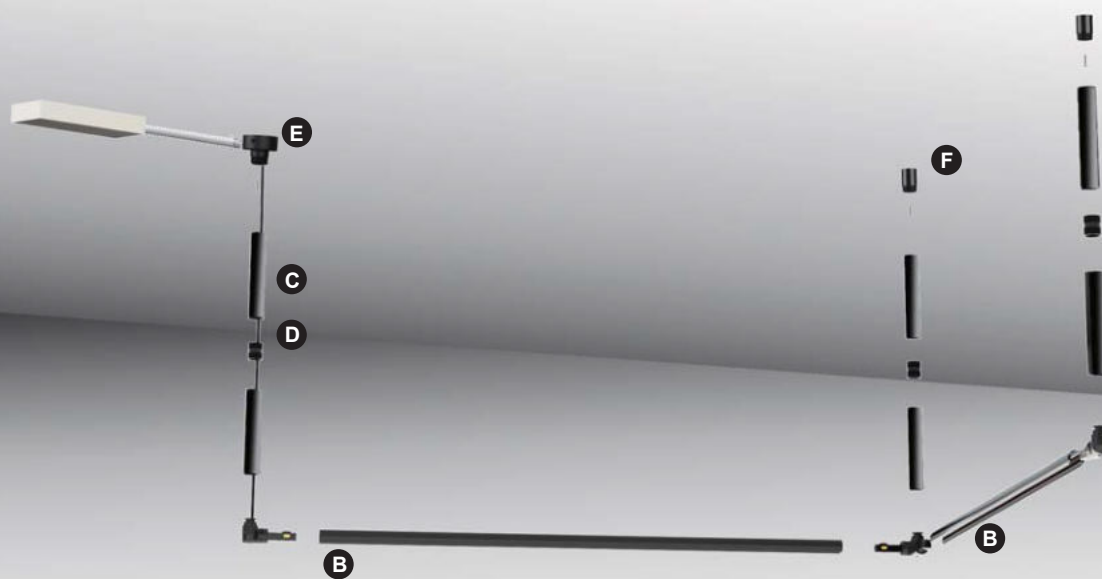


TONDO track connecting system

TT connection illustration

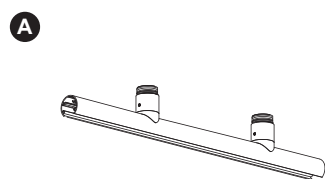


ITI connection illustration



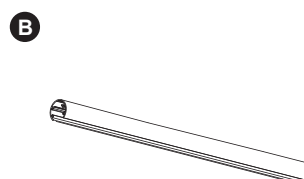
Accessories specifications

Track



TT application track

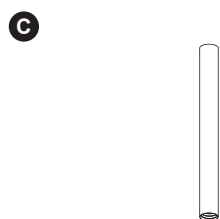
TL-POT-01A
Length : 1936mm
TL-POT-01B
Length : 936mm



ITI application track

TL-POT-02B
Length : 936mm
TL-POT-02C
Length : 300mm

Fixed parts



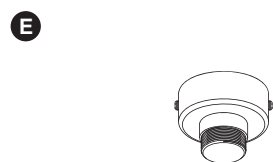
Fixed tube

TL-POI-01A
Length : 1000mm
TL-POI-01B
Length : 600mm
TL-POI-01C
Length : 300mm



Connecting tube

TL-POI-02



Fixed base with power feed

TL-POI-03



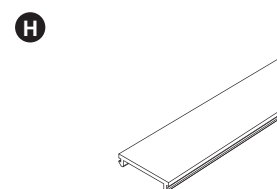
Fixed base

TL-POI-04



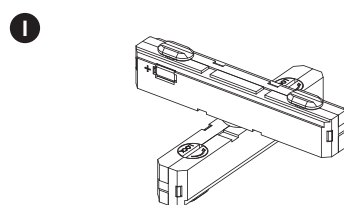
End cap

TL-POC-06



Blank cover

TL-POE-01A
Length : 2000mm



Mesh connector

TL-POC-05

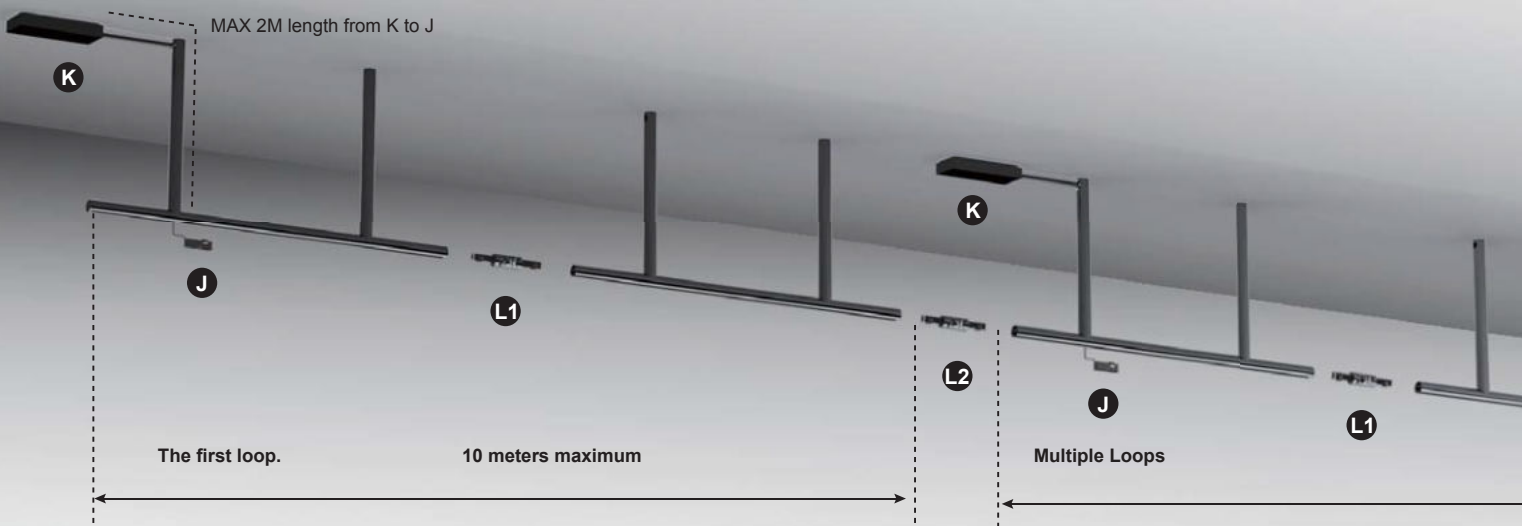
TONDO loop connecting system



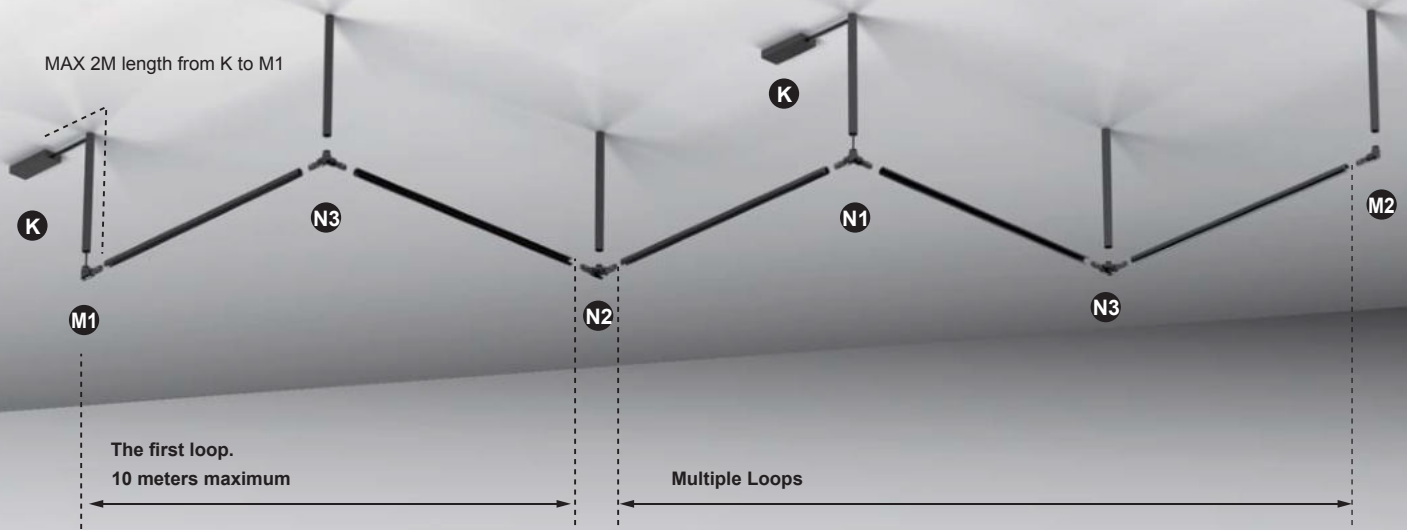
Electric Circuit Installation:

1. Max wattage linkable per loop for constant voltage 24VDC is 150W
2. Max length of track linkable per loop is 10M , and the max cable length between driver and power in is 2M.
3. Dimming modules are compatible to TL-PWM output dimming driver only, TL-PWM frequency $\leq 1.47\text{KHz}$.
4. To use drivers not on recommended list , it require compatibility test before installation.
5. Voitage drop cannot below 22VDC (measure at the end of the loop), under 22VDC per loop might cause abnormal.
6. Calculating max wattage connection, save 20% buffer for linear modules, and 25% buffer for other modules
7. Use driver not in the recommended list might cause module flickering, unstable dimming and/or noise, even causing module failure.
8. When multiple drivers are use in the connection, make sure the connector without circuit is used to divide the loop
9. When installation tracks (pipes), make sure measuring the voltage from TL- POC-01 & TL-POC-03 & TL-POC-04 with the driver connected first, without modules, to see if the voltage is 24VDC, then measure the track & TL-POC-02 & TL-POC-04B to see if the voltage drop is $\leq 0.1\text{V}$, if the voltage drop is over 0.1V, make sure the connector is secured properly, warpage is not allowed in the connection, also check the cleanliness of the copper connector, copper connector can be cleaned using alcohol.

TT connection illustration



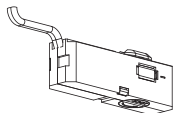
ITI connection illustration



Accessories specifications

Power

J



Adaptor With Power Cord

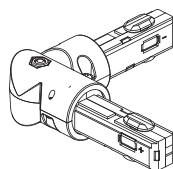
TL- POC-01A
Length : 200cm
TL- POC-01B
Length : 100cm

K

24V DC Driver

Connector

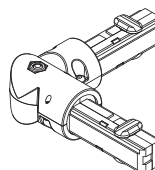
L1



I-Connector with circuit

TL- POC-02

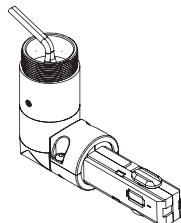
L2



I-Connector without circuit

TL- POC-02A

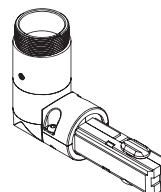
M1



L-Connector with power cord

TL- POC-03

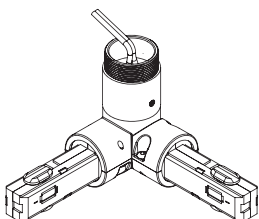
M2



L-Connector without circuit

TL- POC-03A

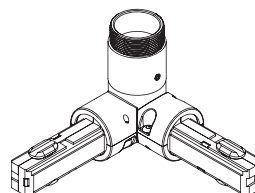
N1



T-Connector with power cord

TL- POC-04

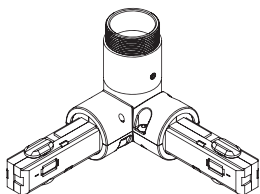
N2



T-Connector without circuit

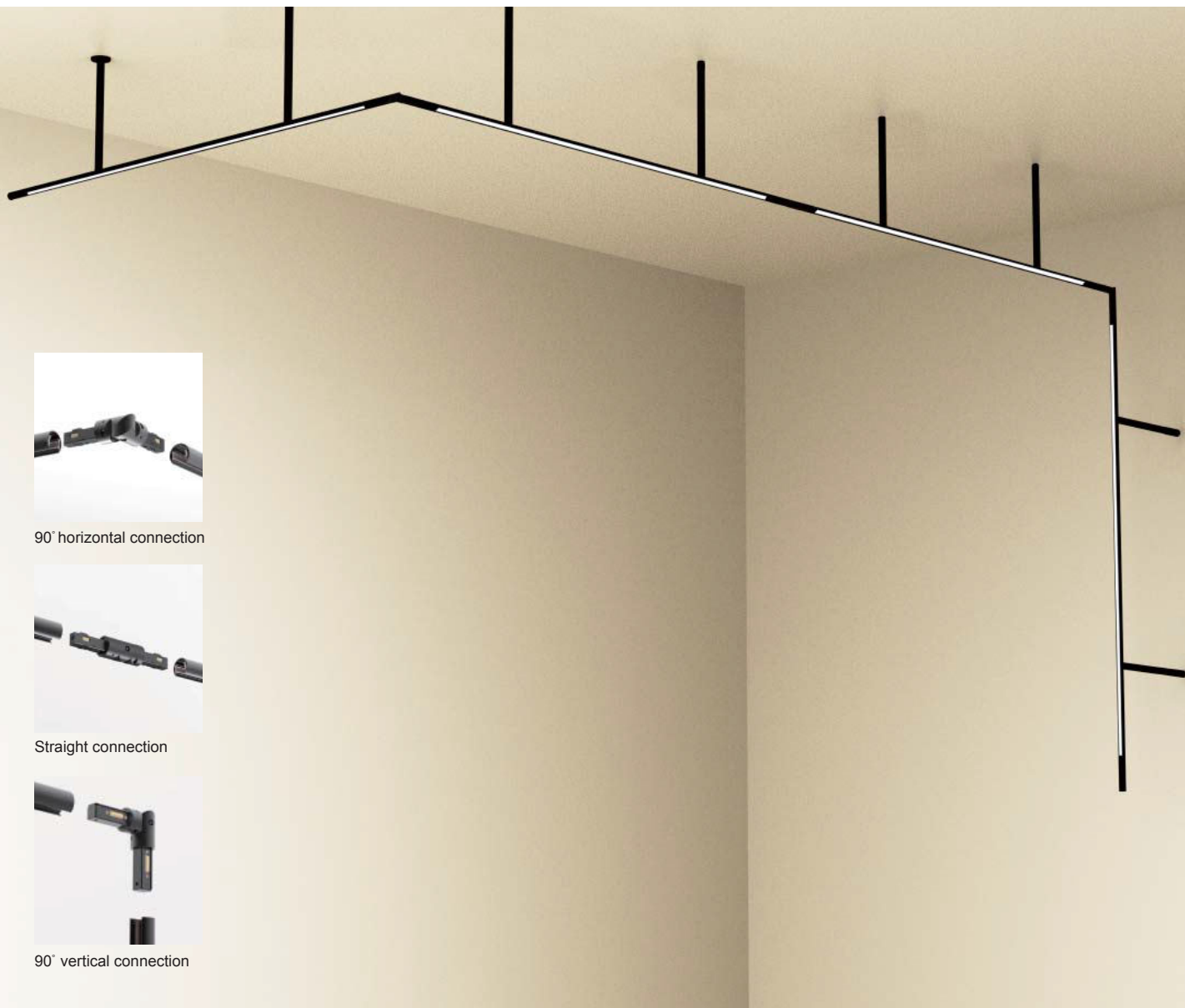
TL-POC-04A

N3



T-Connector with circuit

TL- POC-04B



90° horizontal connection



Straight connection

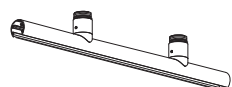


90° vertical connection

TT application

TT application is designed to use TL-POT-01 track.
Together with accessories for horizontal & vertical connections.

1936mm



A x4



E x1



J x1

1000mm



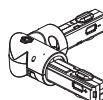
C x8



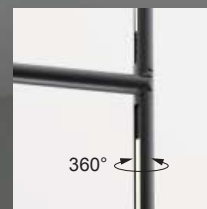
G x2



F x7



L1 x3



Rotate



Rotate



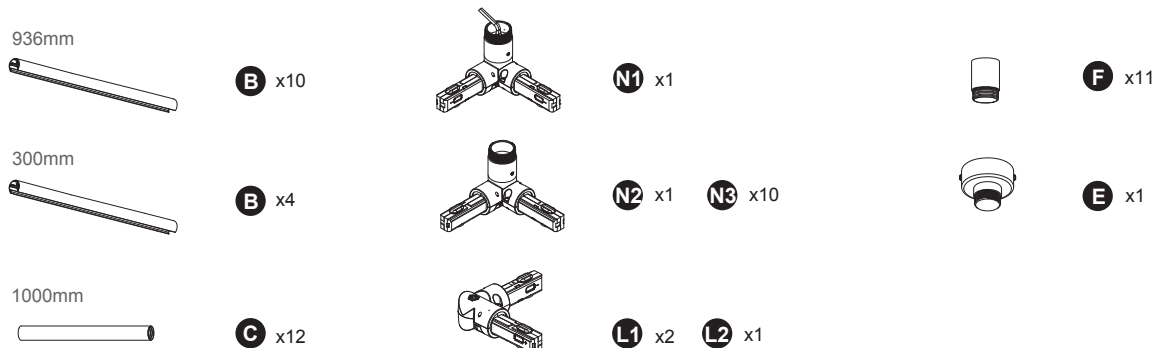
T connection

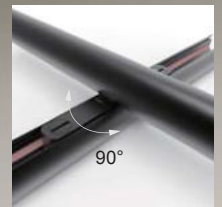


3-way connection

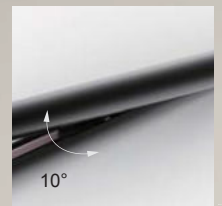
ITI application

ITI application is designed to use TL- POT-02 track.
Together with accessories for 360 degrees rotation.





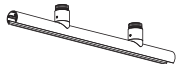
Cross connection



Mesh application

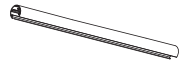
Mesh application uses both TL- POT-01 & TL-POT-02 track.
This application creates up and down lighting effect by using TL- POC-05 cross connector.

1936mm



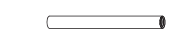
A x4

936mm



B x8

1000mm



C x12



E x1



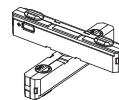
F x11



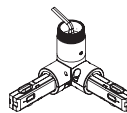
G x8



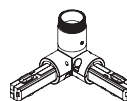
J x1



I x8

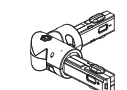


N1 x1



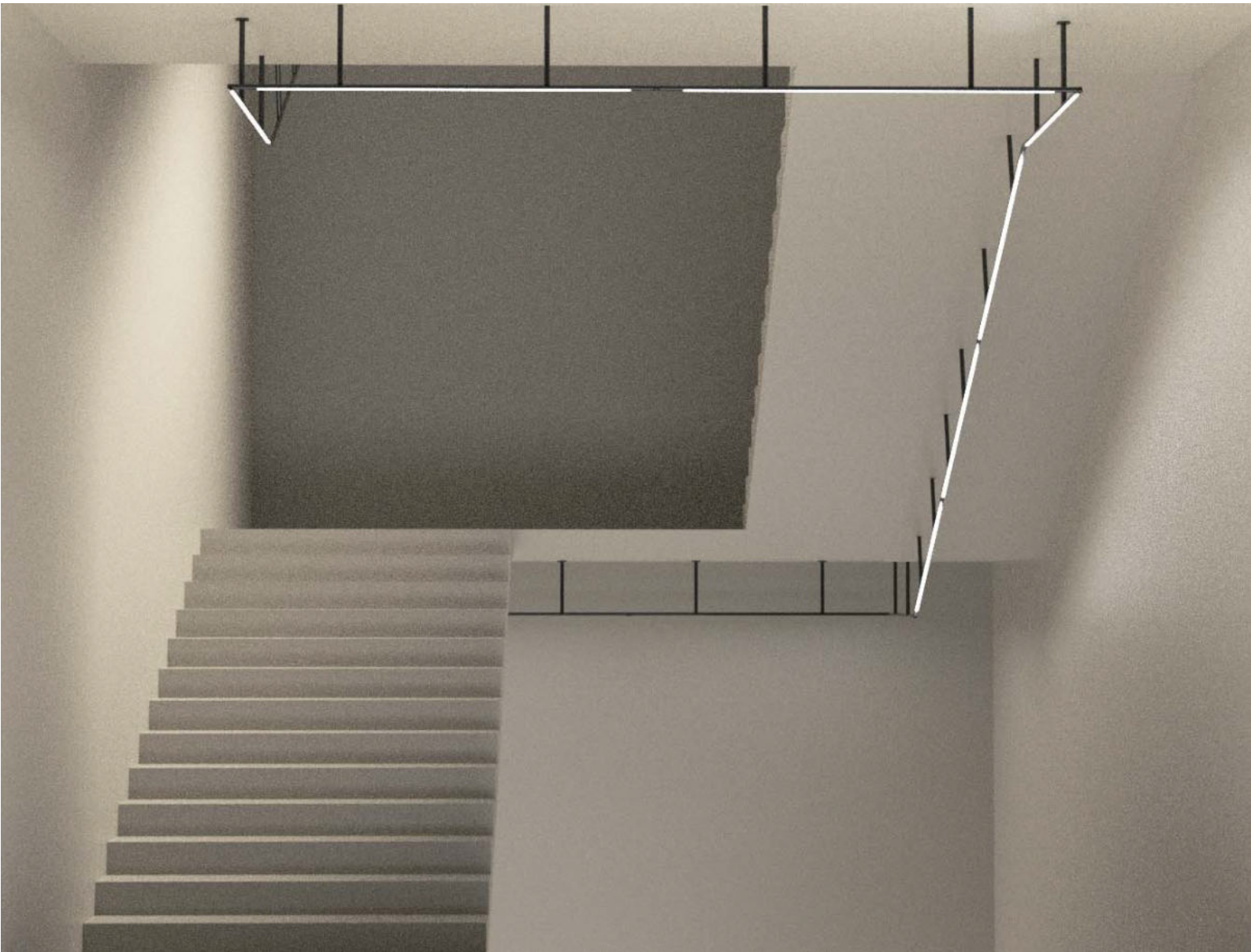
N2 x1

N3 x2



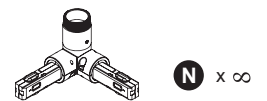
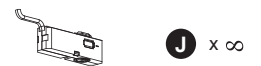
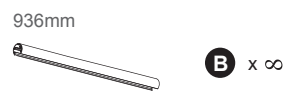
L1 x3

L2 x1



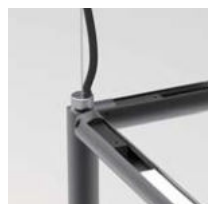
Multi-angle connection

T-Connector allows TONDO to be used in different angle & height application. The connector can be bend 180 degrees max & rotate 360 degrees.





Pendant kit



Pendant kit+Power cord

TONDO-Pendant application

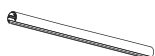
Can be pendant freely on the ceiling
 T-Connector is used at 90 degrees or greater.
 Suspension length can be adjusted to create stylish environment.

936mm

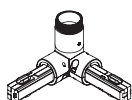


B x8

300mm

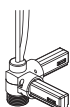


B x4

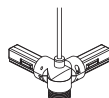


N2 x1

N3 x3



x1*



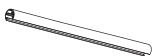
x3*

*Special parts is required, please contact with our sales rep for more info.



Rotate

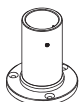
(Customize)



B x5



J x5



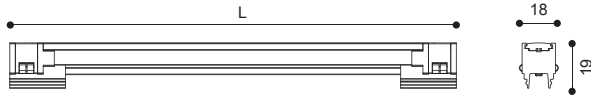
x10*

TONDO-Straight application

Rotatable straight application creates all kinds of lighting possible.

*Special parts is required, please contact with our sales rep for more info.

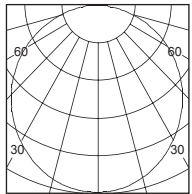
TONDO - L



TL-1710.003A : 100mm
 TL-1710.003B : 300mm
 TL-1710.003C : 600mm

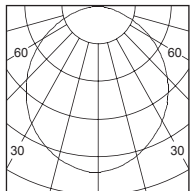


TL-1710.003A



h (m)	D (m)	E (lx)
110°		
1.0	2.93	39
2.0	5.87	9
3.0	8.81	4
4.0	11.75	2
5.0	14.69	1

TL-1710.003B



h (m)	D (m)	E (lx)
110°		
1.0	2.52	129
2.0	5.04	32
3.0	7.56	14
4.0	10.09	8
5.0	12.61	5

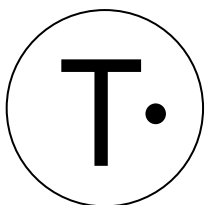
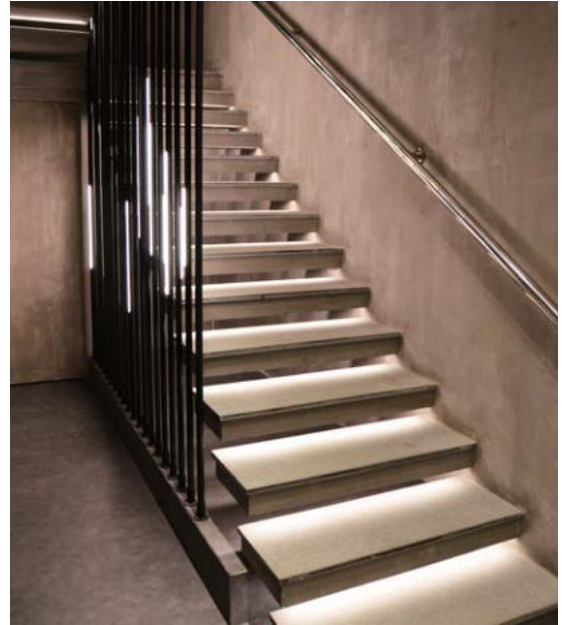


Colours Black

Product performance

Article number	LED Consumption	Voltage	System Lumen	Beam Angle	LED Type	LED q'ty	CCT/CRI
TL-1710.003A-V	2 W	24V DC	115 (lm)	110°	SMD	15	30/80+
TL-1710.003B-V	6 W	24V DC	344 (lm)	110°	SMD	60	30/80+
TL-1710.003C-V	12 W	24V DC	616 (lm)	110°	SMD	120	30/80+

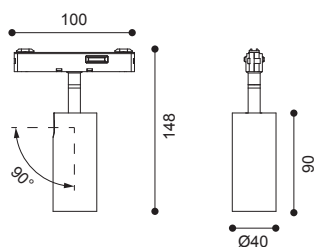




LIGHT
AS AN EXPRESSION
OF LIFE

TONDO - S

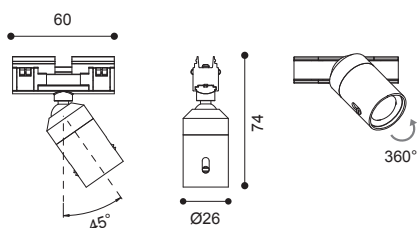
TL-1719.204



TL-1719.204

10°		20°			
h (m)	D (m)	E (lx)			
1.0	0.24	2967	1.0	0.38	1505
2.0	0.49	741	2.0	0.77	376
3.0	0.73	329	3.0	1.15	167
4.0	0.98	185	4.0	1.54	94
5.0	1.22	118	5.0	1.92	60

TL-1719.203



Zoom in 8°

8°		20°			
h (m)	D (m)	E (lx)			
0.5	0.07	7254	0.5	0.16	2351
1.0	0.14	1814	1.0	0.33	587
1.5	0.21	806	1.5	0.50	261
2.0	0.28	453	2.0	0.67	146
2.5	0.36	290	2.5	0.83	94

Zoom out 20°

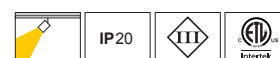
Colours
Black White

Baffle :
(TL-1719.204) Black White Copper

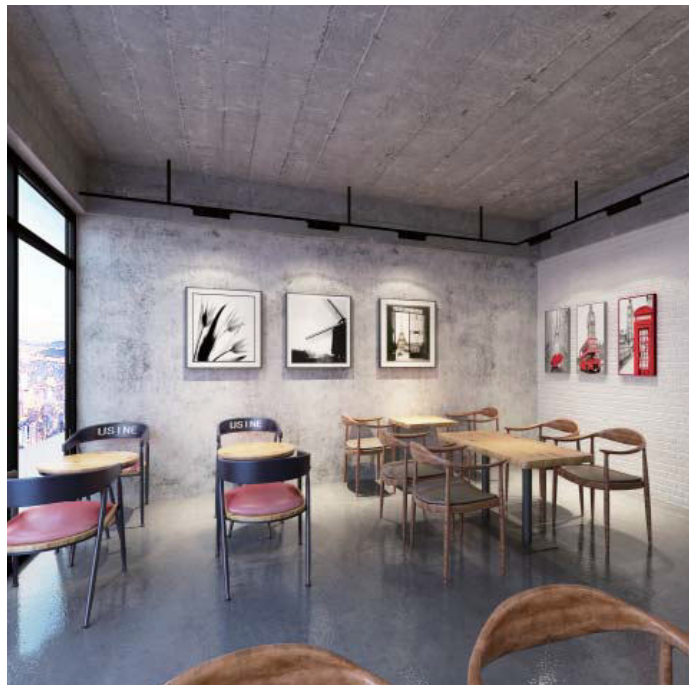
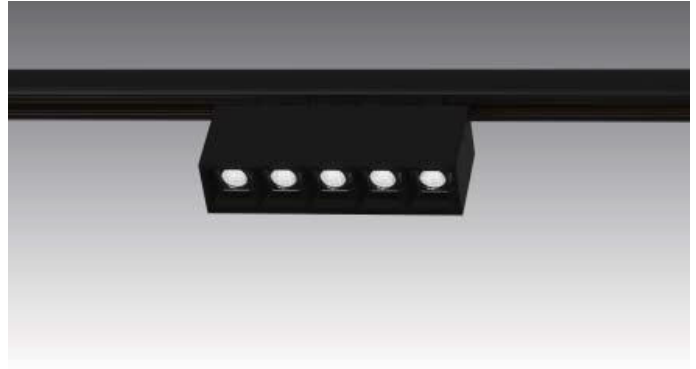
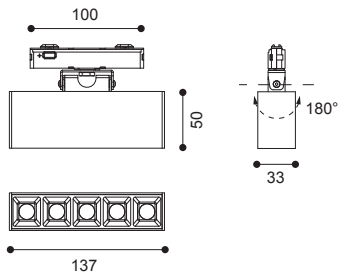
Product performance

Article number	LED Consumption	Voltage	Lumen	Beam Angle	CCT/CRI
TL-1719.204-V	6.4W	24V DC	626 (lm)	10°/20°	30/90+

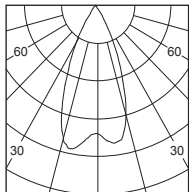
Article number	LED Consumption	Voltage	System Lumen	Beam Angle	CCT/CRI
TL-1719.203-V	2.2W	24V DC	50~70 (lm)	8°-20°	30/80+



TONDO - K



TL-1917.400-5-V

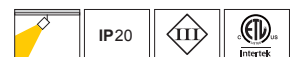


h (m)	D (m)	E (lx)
	40°	
1.0	0.80	1543
2.0	1.60	385
3.0	2.40	171
4.0	3.20	96
5.0	4.00	61

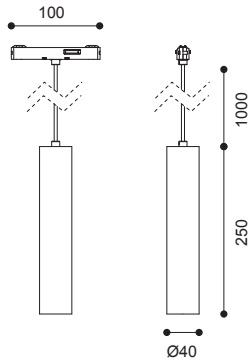
- Colours ● ○
 Black White
- Baffle : ● ○ ●
 Black White Piano black

Product performance

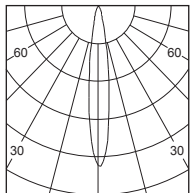
Article number	LED Consumption	Voltage	Lumen	Beam Angle	CCT/CRI
TL-1917.400-5-V	11W	24V DC	1000 (lm)	15°/30°/40°	30/90+



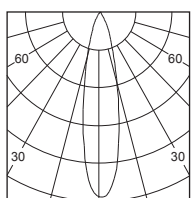
TONDO - C



TL-1716.100



h (m)	D (m)	E (lx)
10°		
1.0	0.25	2984
2.0	0.50	746
3.0	0.75	331
4.0	1.00	186
5.0	1.25	119

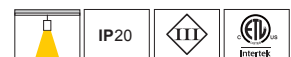


h (m)	D (m)	E (lx)
20°		
1.0	0.38	1476
2.0	0.77	369
3.0	1.16	164
4.0	1.55	92
5.0	1.94	59

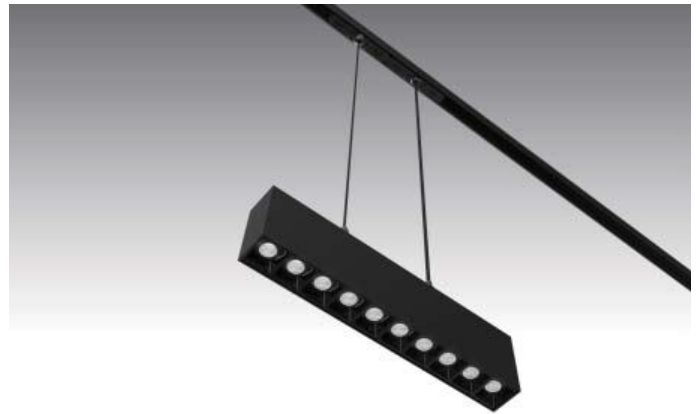
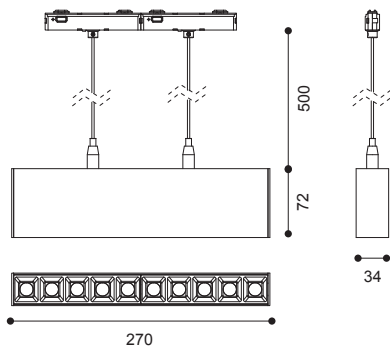
- Colours
 Black White
- Baffle :
 Black White Copper

Product performance

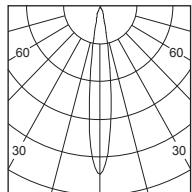
Article number	LED Consumption	Voltage	Lumen	Beam Angle	CCT/CRI
TL-1716.100-V	6.4W	24V DC	626 (lm)	10°/ 20°	30/90+



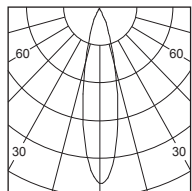
TONDO - KC



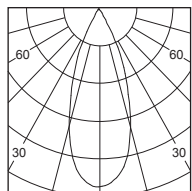
TL-1917.401-10-V



h (m)	D (m)	E (lx)
15°		
1.0	0.26	12704
2.0	0.52	3176
3.0	0.78	1412
4.0	1.05	794
5.0	1.31	508



h (m)	D (m)	E (lx)
25°		
1.0	0.40	6526
2.0	0.81	1632
3.0	1.22	725
4.0	1.62	407
5.0	2.03	261



h (m)	D (m)	E (lx)
40°		
1.0	0.68	3318
2.0	1.36	829
3.0	2.04	368
4.0	2.72	207
5.0	3.40	132



- Colours ● Black ○ White
- Baffle : ● Black ○ White ● Piano black

Product performance

Article number	LED Consumption	Voltage	Lumen	Beam Angle	CCT/CRI
TL-1917.401-10-V	22W	24V DC	2000 (lm)	15°/25°/40°	30/90+



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