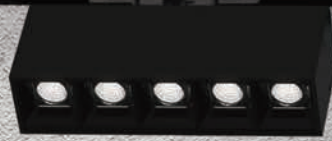




POLE (AM) system



POLE (AM)

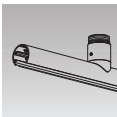
Using pipe connection concept pole creates vertical, horizontal, mesh, irregular, flexible, creative style to meet all kinds of requirement.

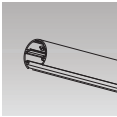


ETL Approved

POLE (AM)

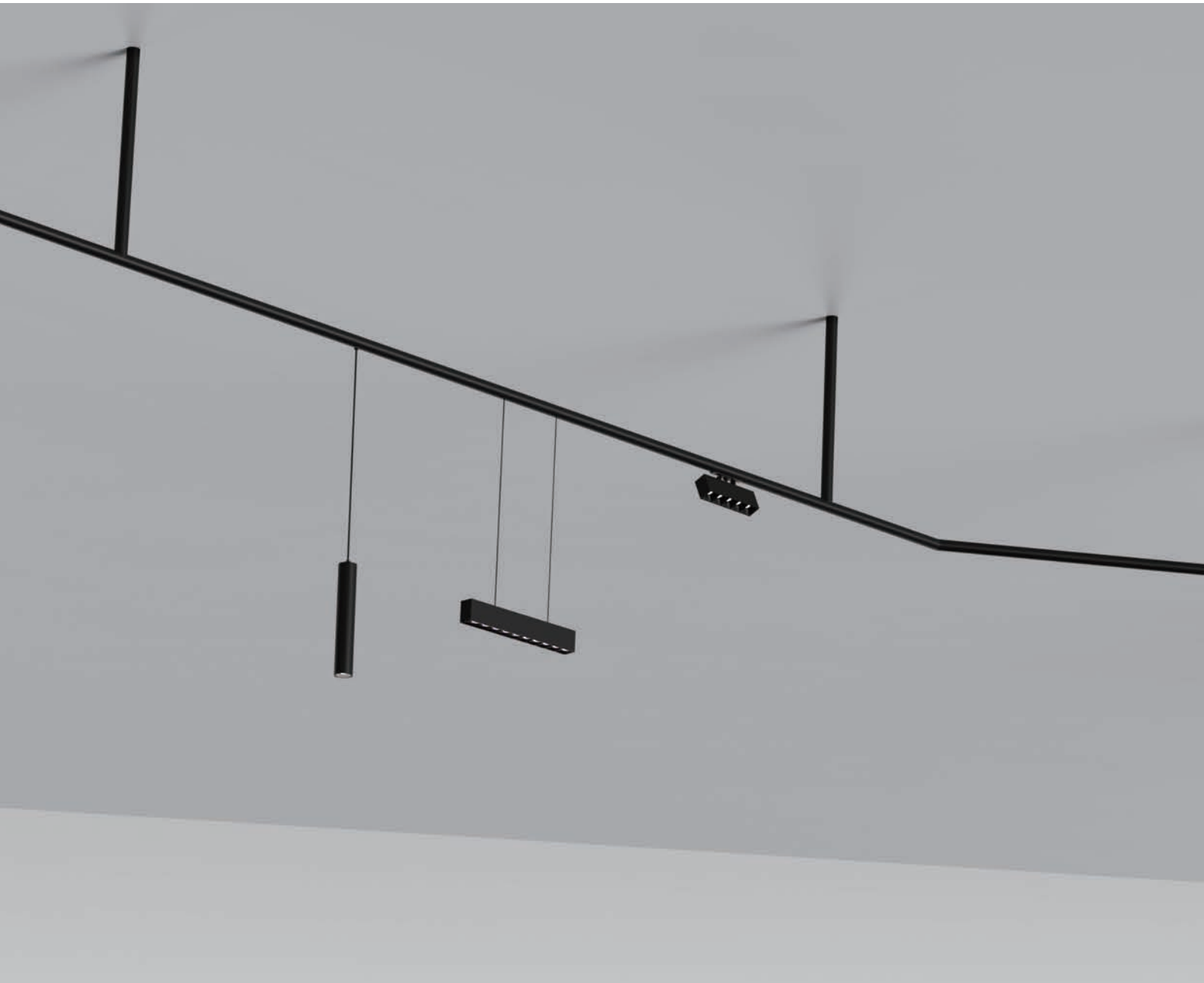
POLE TRACK

	POT	TT application track	PO 9
---	------------	-----------------------------	-------------

	POT	ITI application track	PO 9
---	------------	------------------------------	-------------

POLE MODULES

	Series name	Module consumption	Lumen	Page
 	POLE-L	2W 6W 12W	115 (lm) 344 (lm) 616 (lm)	PO 20
 	POLE-S	6.4W	626 (lm)	PO 21
 	POLE-S	2.9W	50-70 (lm)	PO 21
 	POLE-K	11W	1000 (lm)	PO 22
 	POLE-C	6.4W	626 (lm)	PO 23
 	POLE-KC	22W	2000 (lm)	PO 24



POLE modules

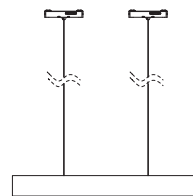
LED module can be installed easily with variety of style to choose from.
 Pendant module can be used on desktop, countertop
 Spot module can be used on focal lighting.
 Linear module can be used as general lighting.

Pendant lights

POLE-C
6.4W



POLE-KC
22W

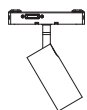




Spot lights

POLE-S

6.4W

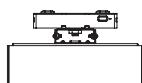


2.2W



POLE-K

11W



Strip lights

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



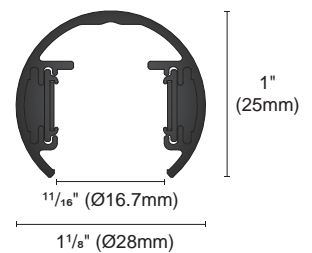
POLE-L-S 100mm 2W / 300mm 6W / 600mm 12W





POLE application

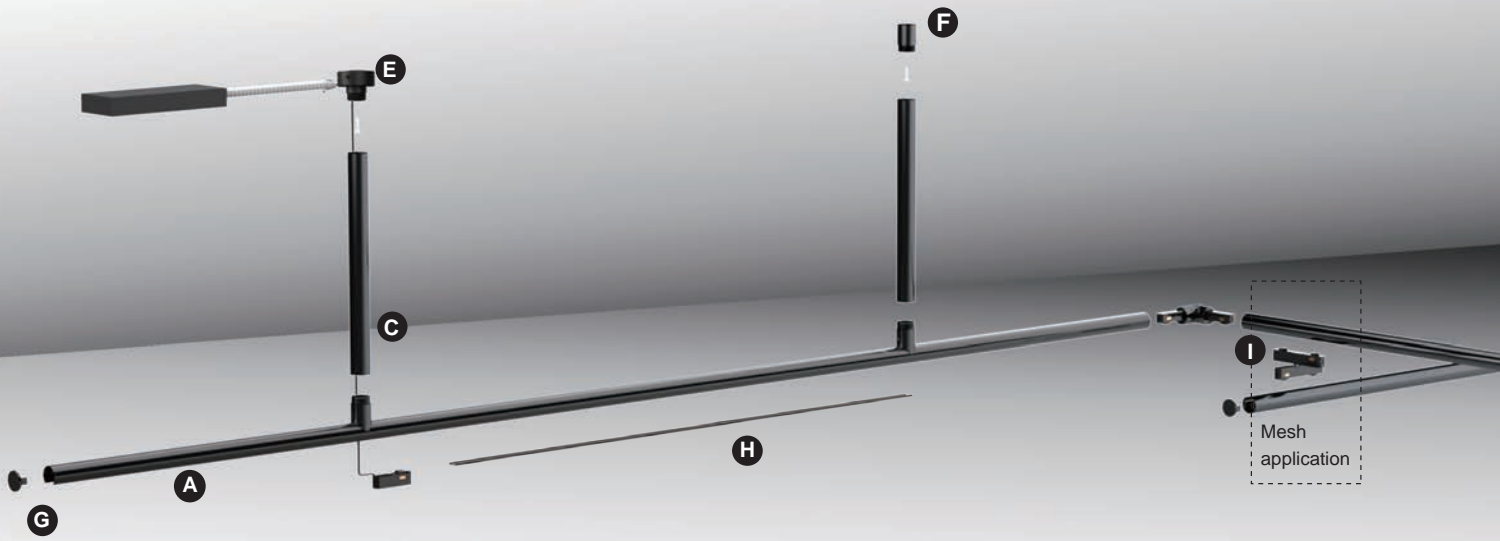
Suitable for open space, combining with nordic leisure industrial style furniture,
Use different LED module to light up individual area for unique lighting effect.
LED module is designed to be click on installation.



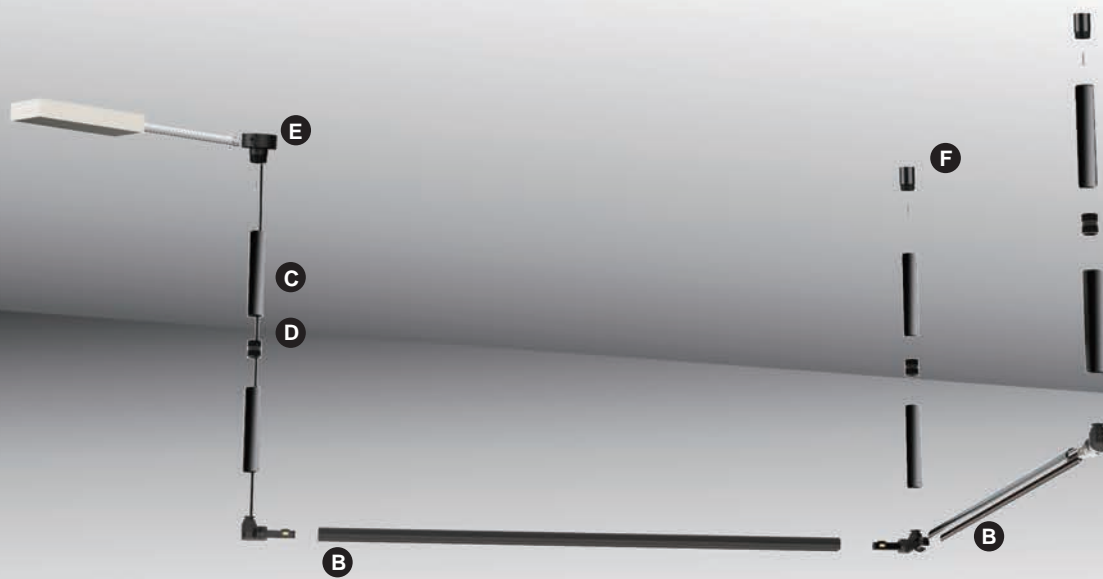


POLE track connecting system

TT connection illustration



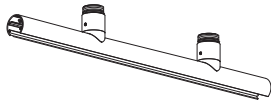
ITI connection illustration



Accessories specifications

Track

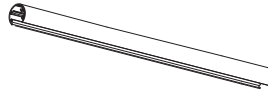
A



TT application track

POT-03-72
Length : 71.97"(1828mm)
POT-03-36
Length : 35.98"(914mm)

B



ITI application track

POT-04-36
Length : 35.98"(914mm)
POT-04-12
Length : 11.97"(304mm)

Fixed parts

C



Fixed tube

POI-01-36
Length : 35.98"(914mm)
POI-01-24
Length : 23.98"(609mm)
POI-01-12
Length : 11.97"(304mm)

D



Connecting tube

POI-02

E



Surface mounted base for power cord

Poi-03

F



Surface mounted base

POI-04

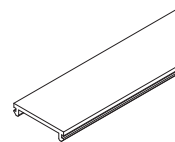
G



End cap

POC-06

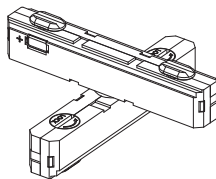
H



Blank cover

POE-01-72
Length : 71.97"(1828mm)

I



Mesh connector

POC-05

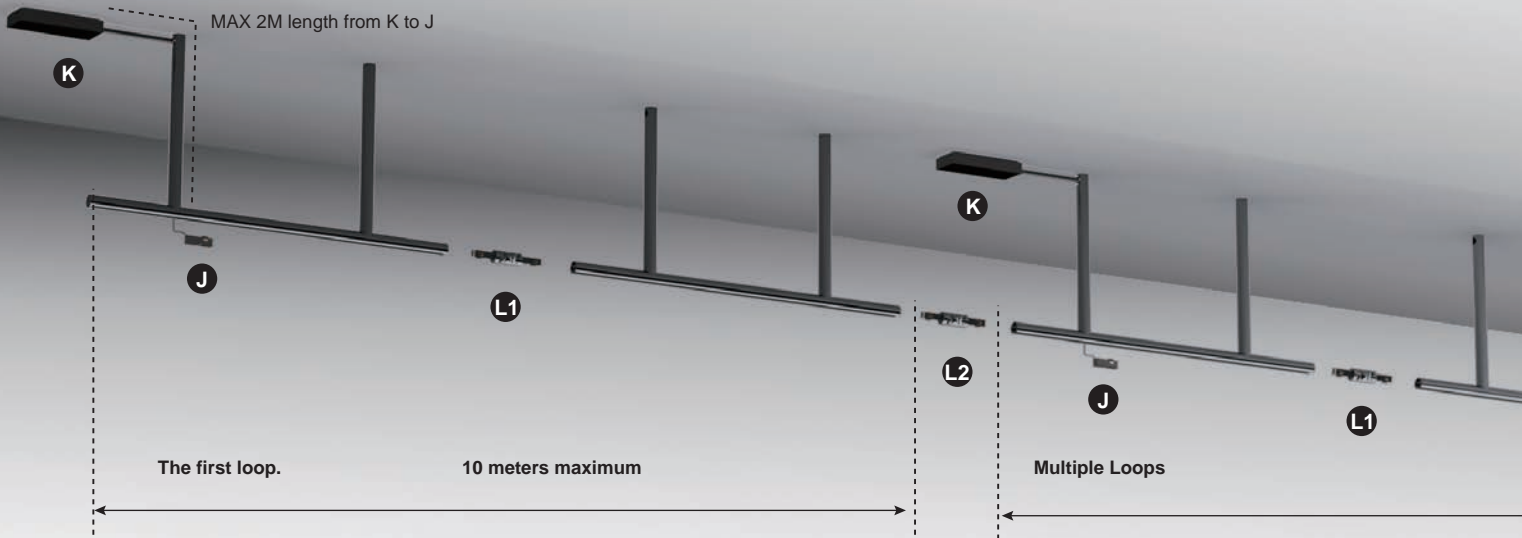
POLE loop connecting system



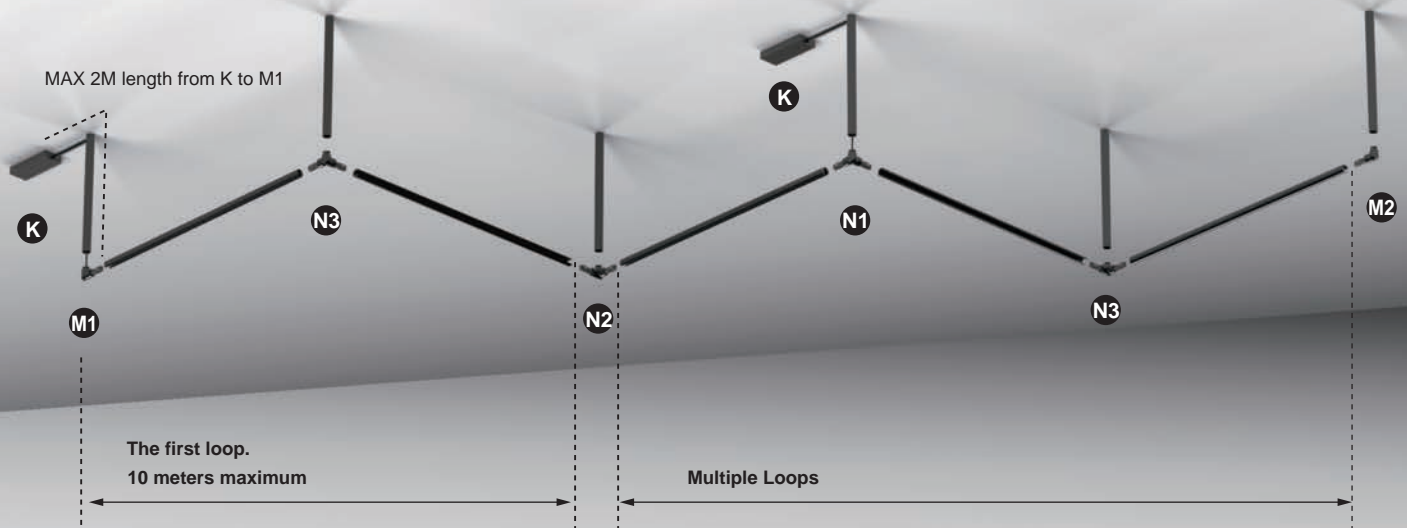
Electric Circuit Installation:

1. Max wattage linkable per loop for constant voltage 24VDC is 100W (use CLASS 2 power unit.).
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 PWM output dimming driver only, 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 POC-01 & POC-03 & POC-04 with the driver connected first, without modules, to see if the voltage is 24VDC, then measure the track & POC-02 & 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

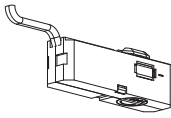


ITI connection illustration



Power

J



Adaptor With Power Cord

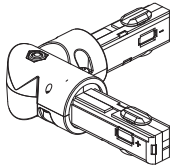
POC-01A
Length : 78.74"(200cm)
POC-01B
Length : 39.37"(100cm)

K

24V DC Driver

Connector

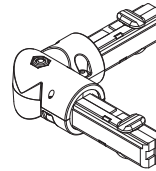
L1



I-Connector with circuit

POC-02

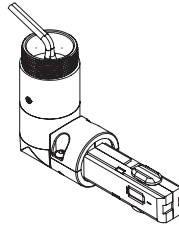
L2



I-Connector without circuit

POC-02A

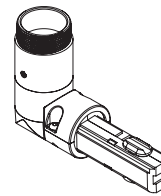
M1



L-Connector with power cord

POC-03

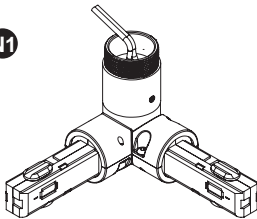
M2



L-Connector without circuit

POC-03A

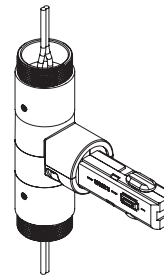
N1



T-Connector with power cord

POC-04

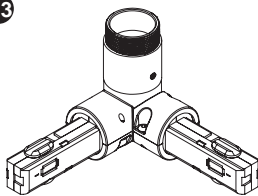
N4



T-Connector with power cord-L

POC-04C

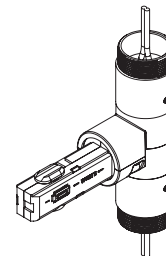
N3



T-Connector with circuit

POC-04B

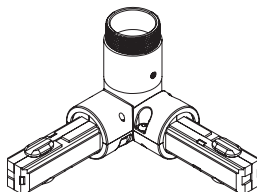
N5



T-Connector with power cord-R

POC-04D

N2

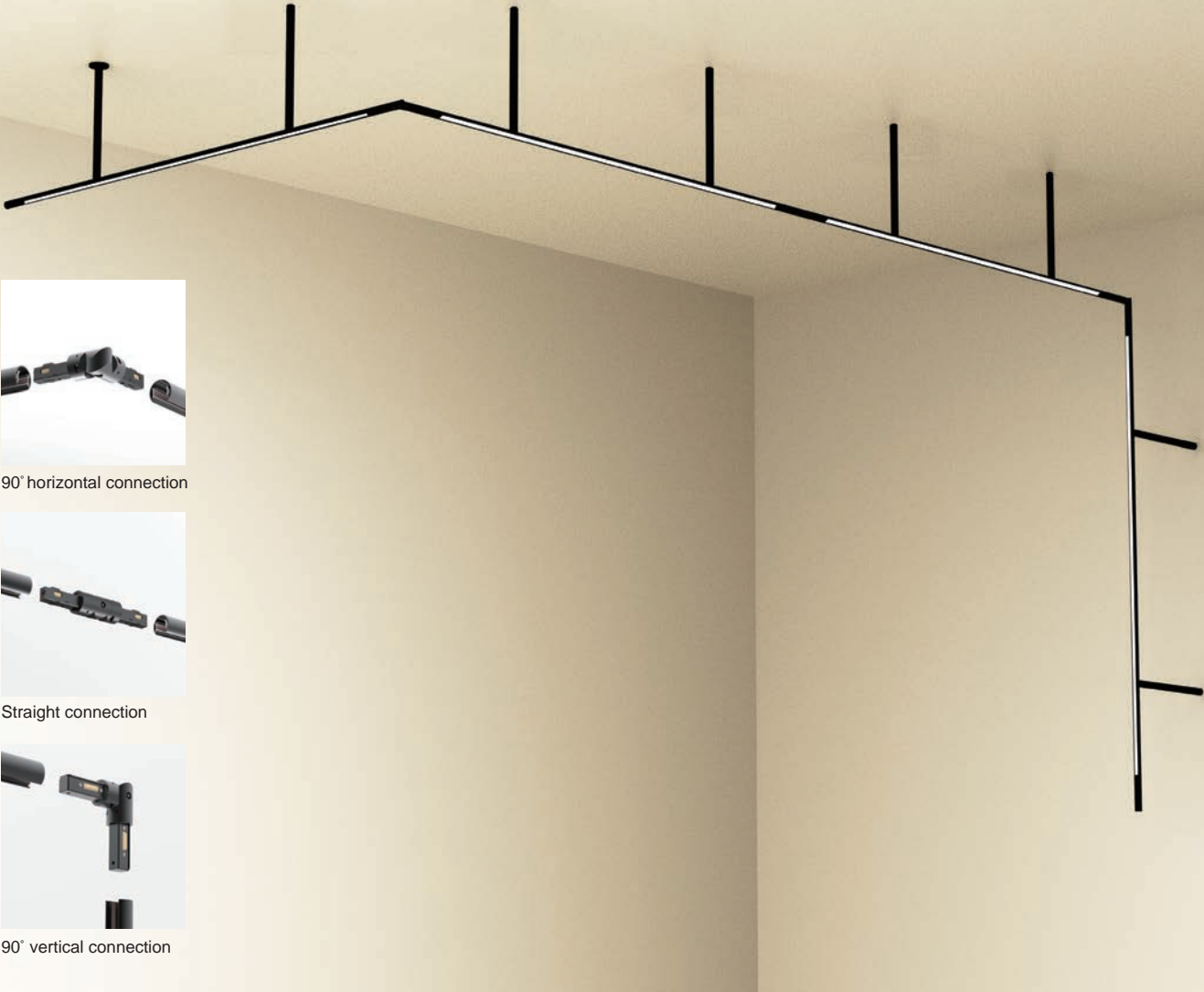


T-Connector without circuit

POC-04A

TT application

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



90° horizontal connection

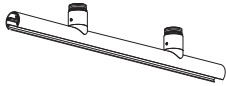


Straight connection



90° vertical connection

71.97"(1828mm)



A x4

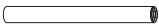


E x1



J x1

35.98"(914mm)



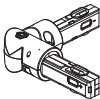
C x8



G x2



F x7



L1 x3

ITI application

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



360°

Rotate



360°

Rotate

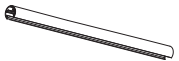


T connection

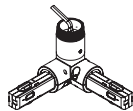


3-way connection

35.98"(914mm)



B x10

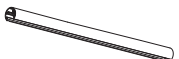


N1 x1

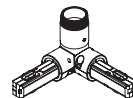


F x11

11.97"(304mm)



B x4



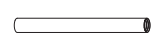
N2 x1

N3 x10



E x1

35.98"(914mm)



C x12



L1 x2

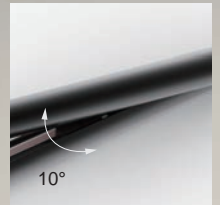
L2 x1

Mesh application

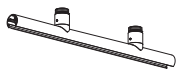
Mesh application uses both POT-01 & POT-02 track.
 This application creates up and down lighting effect by using POC-05 cross connector.



Cross connection



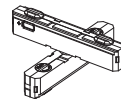
71.97"(1828mm)



A x4

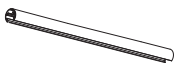


E x1



I x8

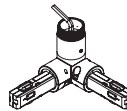
35.98"(914mm)



B x8

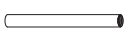


F x11



N1 x1

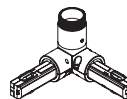
35.98"(914mm)



C x12



G x8

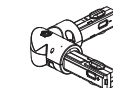


N2 x1

N3 x2



J x1

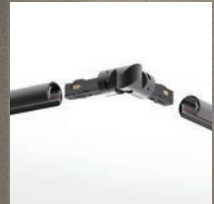
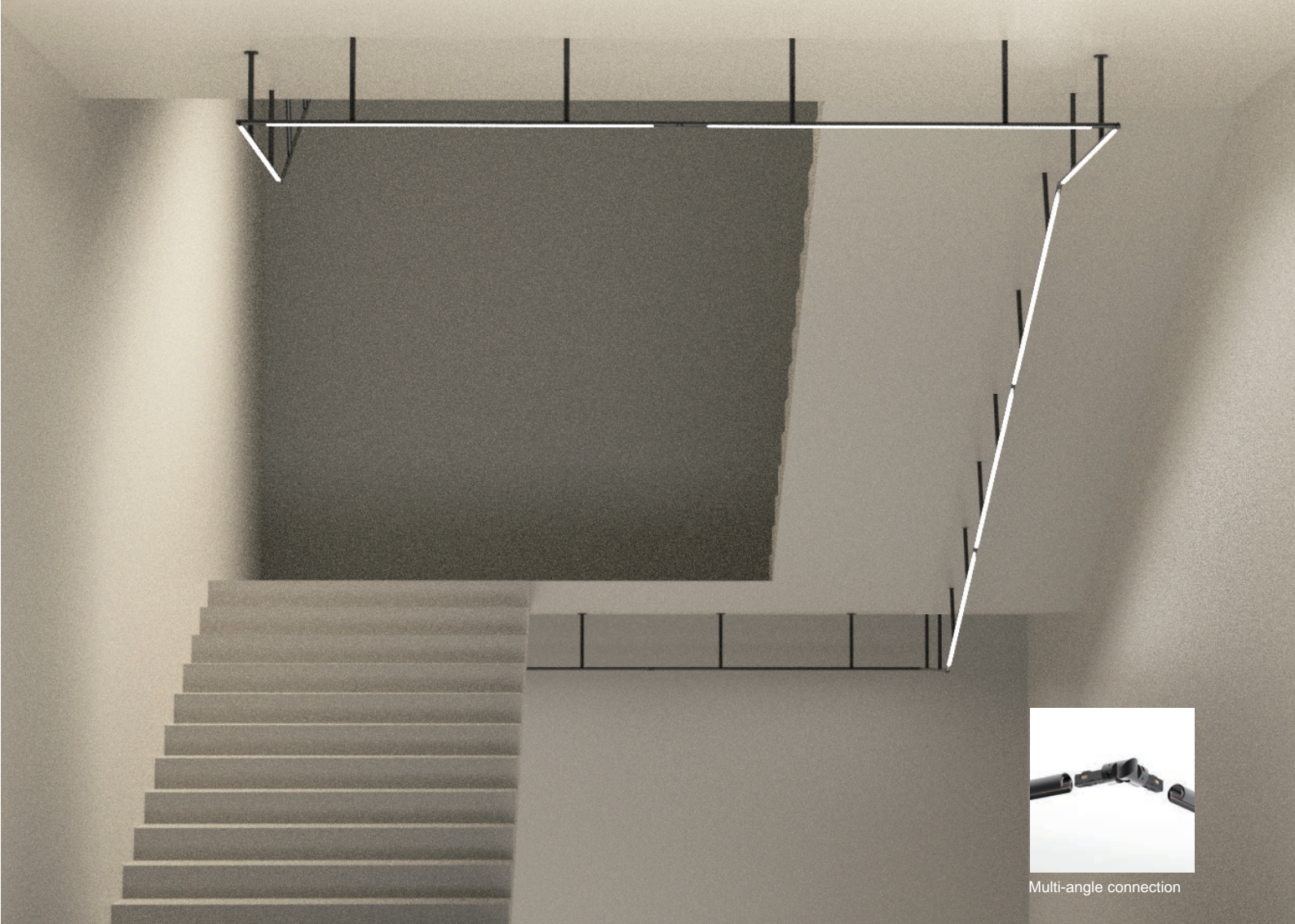


L1 x3

L2 x1

TT & ITI application

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



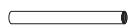
Multi-angle connection

35.98"(914mm)



B x ∞

35.98"(914mm)



C x ∞



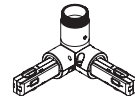
E x ∞



F x ∞



J x ∞



N x ∞



L x ∞

POLE-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.



Pendant kit



Pendant kit+Power cord

35.98"(914mm)

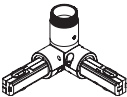


B x8

11.97"(304mm)

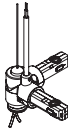


B x4

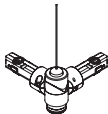


N2 x1

N3 x3



x1*



x3*

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

POLE-Straight application

Rotatable straight application creates all kinds of lighting possible.



Rotate



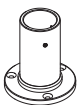
(Customize)



B x5

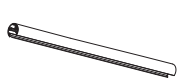


J x5

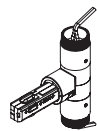


x10*

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



B x8

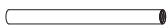


N4 x2



L1 x6

L2 x4



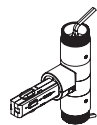
C



E x10



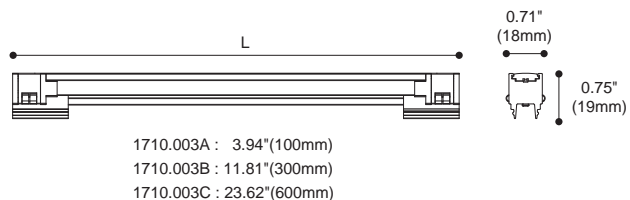
J x1



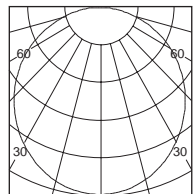
N5 x4

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

POLE-L

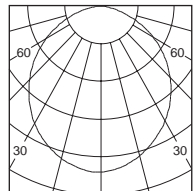


1710.003A-V



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

1710.003B-V



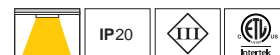
h (m)	D (m)	E (lx)
110°		
1.0	2.52	129
2.0	5.04	32
3.0	7.56	14
4.0	10.09	8
5.0	12.61	5



Colours ●
Black

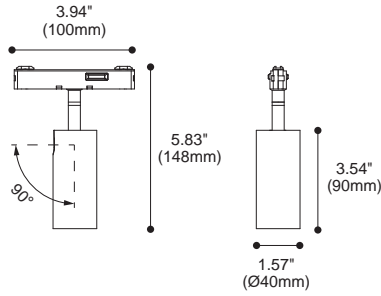
Product performance

Article number	Module consumption	Voltage	Delivered Lumen	Beam Angle	LED Type	LED q'ty	CCT/CRI
1710.003A-V	2 W	24VDC	115 (lm)	110°	SMD	21	30/80+
1710.003B-V	6 W	24VDC	344 (lm)	110°	SMD	63	30/80+
1710.003C-V	12 W	24VDC	616 (lm)	110°	SMD	126	30/80+

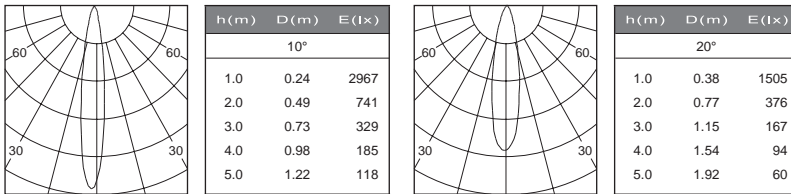


POLE-S

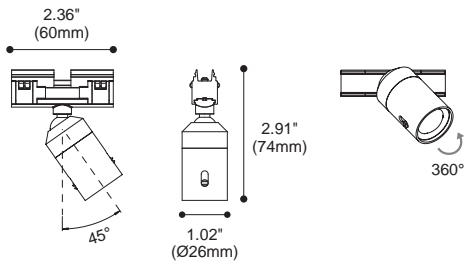
1719.204-V



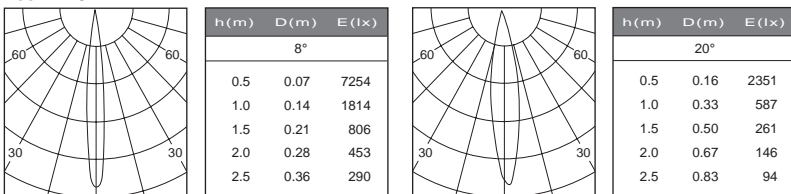
1719.204-V



1719.203-V



Zoom in 8°

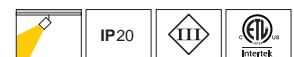


- Colours
 Black White
- Baffle :
 (1719.204) Black White Copper

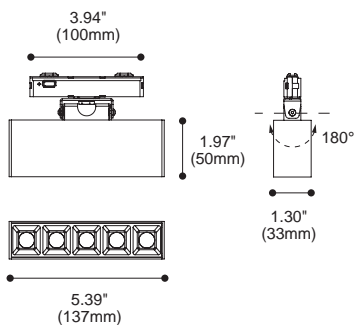
Product performance

Article number	Module consumption	Voltage	Lumen	Beam Angle	CCT/CRI
1719.204-V	6.4W	24VDC	626 (lm)	10°/20°	30/90+

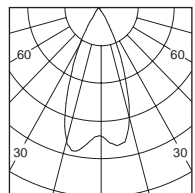
Article number	Module consumption	Voltage	Delivered Lumen	Beam Angle	CCT/CRI
1719.203-V	2.9W	24VDC	50-70 (lm)	8°-20°	30/80+



POLE-K



1917.400-5-V

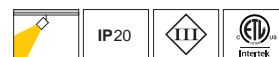


h (m)	D (m)	E (lx)
40°		
1.0	0.80	1543
2.0	1.60	385
3.0	2.40	171
4.0	3.20	96
5.0	4.00	61

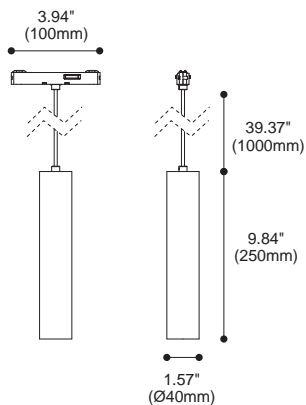
- Colours Black White
- Baffle : Black White Piano black

Product performance

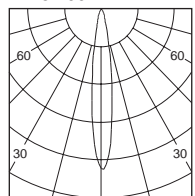
Article number	Module consumption	Voltage	Lumen	Beam Angle	CCT/CRI
1917.400-5-V	11W	24VDC	1000 (lm)	15°/30°/40°	30/90+



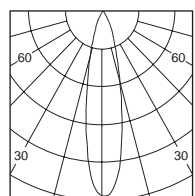
POLE-C



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

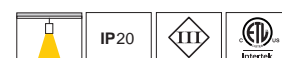


h (m)	D (m)	E (lx)
20°		
1.0	0.38	1476
2.0	0.77	369
3.0	1.16	164
4.0	1.55	92
5.0	1.94	59

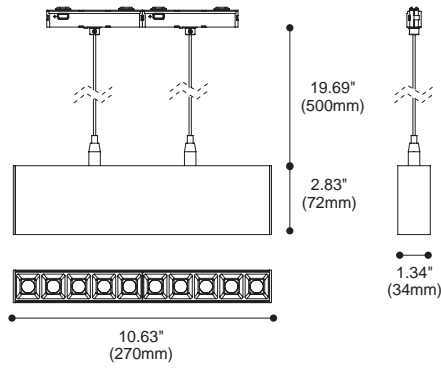
- Colours Black White
- Baffle : Black White Copper

Product performance

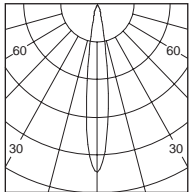
Article number	Module consumption	Voltage	Lumen	Beam Angle	CCT/CRI
1716.100-V	6.4W	24VDC	626 (lm)	10°/ 20°	30/90+



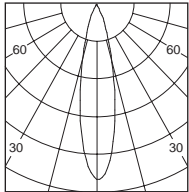
POLE-KC



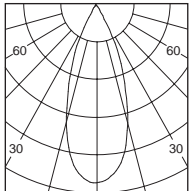
1917.401-10-V



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	Module consumption	Voltage	Lumen	Beam Angle	CCT/CRI
1917.401-10-V	22W	24VDC	2000 (lm)	15°/25°/40°	30/90+

