M5 track system

Linear light

Grille light fixed

Spot light





The distance between the driver to any light connected is max. 10m.



M5S1 with M5 seires lights

Linear light

KOE

M5LN-FA6



M5LN-FA12



III IP20 L70B30 50000H

Item No.	M5LN-FA6	M5LN-FA12
Material	Aluminum	Aluminum
Color rendering index	CRI90	CRI90
Beam angle	120°	120°
Input	DC24V	DC24V
CCT	3000K, 4000K	3000K, 4000K
Rated power	6W	12W
LED luminous flux	550lm@3000K	1100lm@3000K
Light luminous flux	210lm@3000K	420lm@3000K
Lumen efficiency	35lm/W	35lm/W
Expected lifetime	L70B30/50000H,Ta=25°C	L70B30/50000H,Ta=25°C
Size	L342 W5 H10	L637 W5 H10

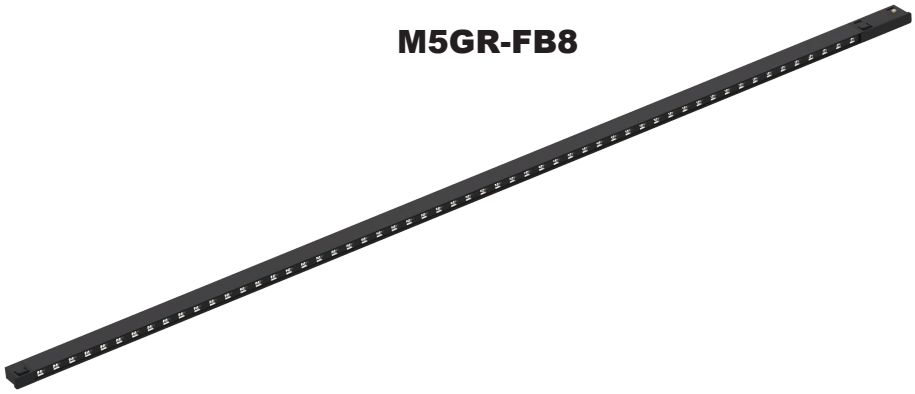
Grille light

KOE

M5GR-FB4



M5GR-FB8



III IP20 L70B30 50000H

Item No.	M5GR-FB4	M5GR-FB8
Material	Aluminum	Aluminum
Color rendering index	CRI90	CRI90
Beam angle	60°	60°
Input	DC24V	DC24V
CCT	3000K, 4000K	3000K, 4000K
Rated power	4W	8W
LED luminous flux	400lm@3000K	800lm@3000K
Light luminous flux	300lm@3000K	600lm@3000K
Lumen efficiency	75lm/W	75lm/W
Expected lifetime	L70B30/50000H,Ta=25°C	L70B30/50000H,Ta=25°C
Size	L237 W5 H10	L437 W5 H10

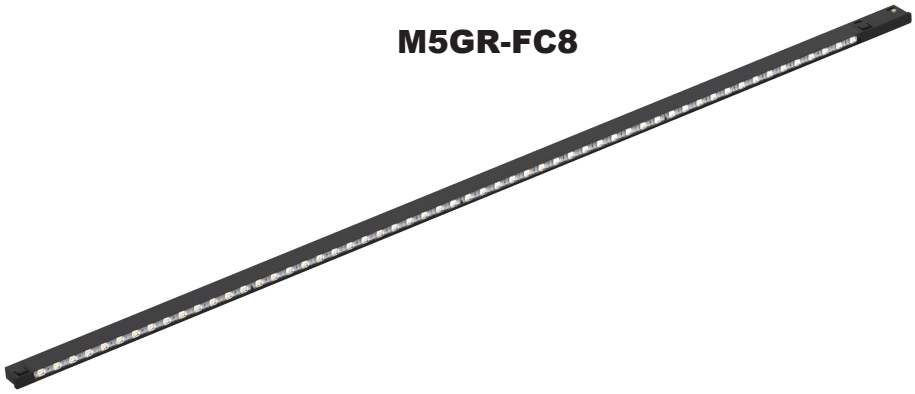
Grille light

KOE

M5GR-FC4



M5GR-FC8



III IP20 L70B30 50000H

Item No.	M5GR-FC4	M5GR-FC8
Material	Aluminum	Aluminum
Color rendering index	CRI90	CRI90
Beam angle	50°	50°
Input	DC24V	DC24V
CCT	3000K, 4000K	3000K, 4000K
Rated power	4W	8W
LED luminous flux	400lm@3000K	800lm@3000K
Light luminous flux	310lm@3000K	620lm@3000K
Lumen efficiency	78lm/W	78lm/W
Expected lifetime	L70B30/50000H,Ta=25°C	L70B30/50000H,Ta=25°C
Size	L237 W5 H10	L437 W5 H10

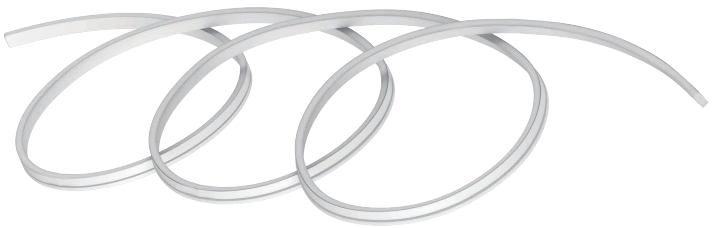
Strip light

KOE

M5-ST



M5ST



III IP20 L70B30 50000H

Item No.	M5ST-1M
Material	Silicon
Color rendering index	CRI80
Beam angle	120°
Input	DC24V
CCT	3000K, 4000K
Rated power	10W
LED luminous flux	1000lm@3000K
Light luminous flux	200lm@3000K
Lumen efficiency	20lm/W
Expected lifetime	L70B30/50000H,Ta=25°C
Size	W5 H10

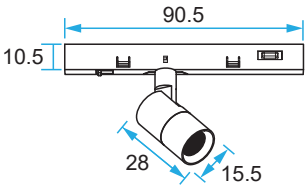
Spot light

KOE

M5SP-A1



UGR <16



270° 90° | III | IP20 | L70B30 50000H

Item No.	M5SP-A1
Material	Aluminum
Color rendering index	CRI95
Beam angle	30°
Input	DC24V
CCT	3000K, 4000K
Rated power	1.5W
LED luminous flux	105lm@3000K
Light luminous flux	92lm@3000K
Lumen efficiency	61lm/W
Expected lifetime	L70B30/50000H,Ta=25°C
Size	D15.5 H28

Spot light

KOE

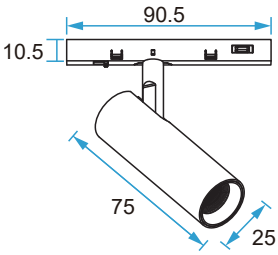
M5SP-A5

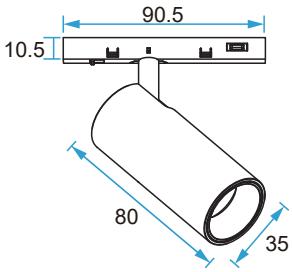


M5SP-A7



UGR <16





270° 90°

III

IP20

L80B10 50000H

Item No.	M5SP-A5	M5SP-A7
Material	Aluminum	Aluminum
Color rendering index	CRI90	CRI90
Beam angle	30°	30°
Input	DC24V	DC24V
CCT	3000K, 4000K	3000K, 4000K
Rated power	5W	7.2W
LED luminous flux	510lm@3000K	710lm@3000K
Light luminous flux	350lm@3000K	540lm@3000K
Lumen efficiency	70lm/W	75lm/W
Expected lifetime	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C
Size	D25 H75	D35 H80

Spot light

KOE

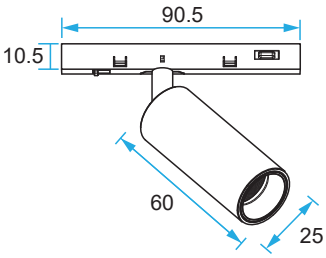
M5SP-C5

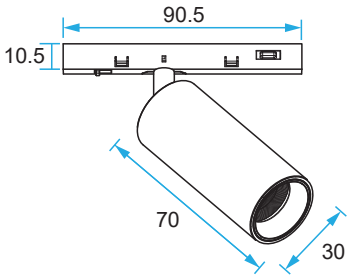


M5SP-C7

UGR <16







270° 90°

III

IP20

L80B10 50000H

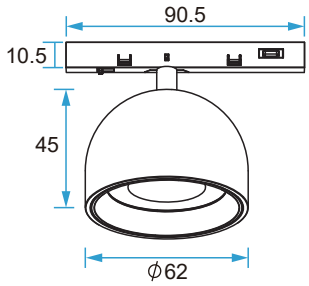
Item No.	M5SP-C5	M5SP-C7
Material	Aluminum	Aluminum
Color rendering index	CRI90	CRI90
Beam angle	30°	30°
Input	DC24V	DC24V
CCT	3000K, 4000K	3000K, 4000K
Rated power	5W	7.2W
LED luminous flux	510lm@3000K	710lm@3000K
Light luminous flux	350lm@3000K	540lm@3000K
Lumen efficiency	70lm/W	75lm/W
Expected lifetime	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C
Size	D25 H60	D30 H70

Spot light

KOE

M5SP-G7





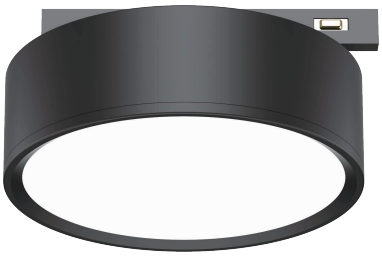


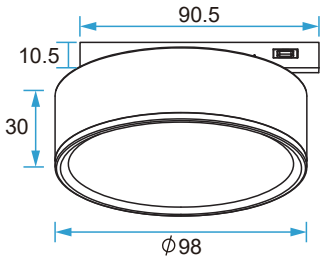
Item No.	M5SP-G7
Material	Aluminum
Color rendering index	CRI90
Beam angle	24°
Input	DC24V
CCT	3000K, 4000K
Rated power	7.2W
LED luminous flux	710lm@3000K
Light luminous flux	610lm@3000K
Lumen efficiency	85lm/W
Expected lifetime	L80B10/50000H,Ta=25°C
Size	D62 H45

Spot light

KOE

M5SP-D10





III IP20 L70B30 50000H

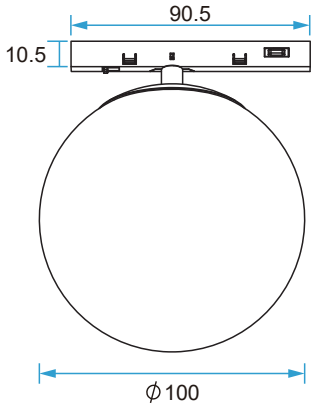
Item No.	M5SP-D10
Material	Aluminum
Color rendering index	CRI90
Beam angle	120°
Input	DC24V
CCT	3000K, 4000K
Rated power	12W
LED luminous flux	1180lm@3000K
Light luminous flux	780lm@3000K
Lumen efficiency	65lm/W
Expected lifetime	L70B30/50000H,Ta=25°C
Size	D98 H30

Spot light

KOE

M5SP-F5





III IP20 L70B30 50000H

Item No.	M5SP-F5	M5SP-F5G
Material	Aluminum+Plastic	Aluminum+Glass
Color rendering index	CRI90	CRI90
Beam angle	360°	360°
Input	DC24V	DC24V
CCT	3000K, 4000K	3000K, 4000K
Rated power	5W	5W
LED luminous flux	480lm@3000K	480lm@3000K
Light luminous flux	290lm@3000K	290lm@3000K
Lumen efficiency	58lm/W	58lm/W
Expected lifetime	L70B30/50000H,Ta=25°C	L70B30/50000H,Ta=25°C
Size	D100	D100

Pendant light

KOE

M5PD-A7

UGR <16



III IP20 L80B10 50000H

Item No.	M5PD-A7
Material	Aluminum
Color rendering index	CRI90
Beam angle	30°
Input	DC24V
CCT	3000K, 4000K
Rated power	7.2W
LED luminous flux	710lm@3000K
Light luminous flux	540lm@3000K
Lumen efficiency	75lm/W
Expected lifetime	L80B10/50000H,Ta=25°C
Size	D30 H400

LED Driver

KOE

LP100-24D

DIM



LP100-24V



SELV

Item No.	LP100-24D	LP100-24V
U(Input)	AC220-240V	AC180-260V
F(Input)	50/60Hz	50/60Hz
I(Input)	0.9A	0.9A
U(Output)	24V	24V
I(Output)	Max.4.2A	Max.4.2A
Load	100W	100W
Size	L234 W22.5 H44	L137 W50 H27

LED Driver

KOE

SC11-BT2



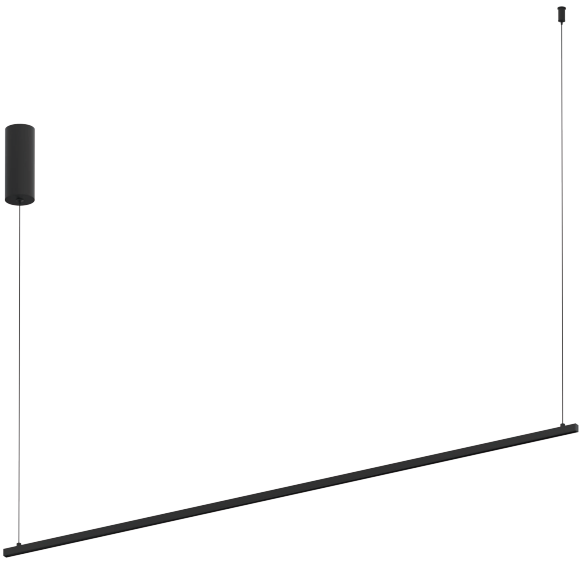
SELV

Item No.	SC11-BT2
U(Input)	DC12-24V
U(Output)	24V
I(Output)	Max.8A
Load	200W
Size	L146 W36 H26

24V Track pendant

KOE

M5PD1



M5PD2

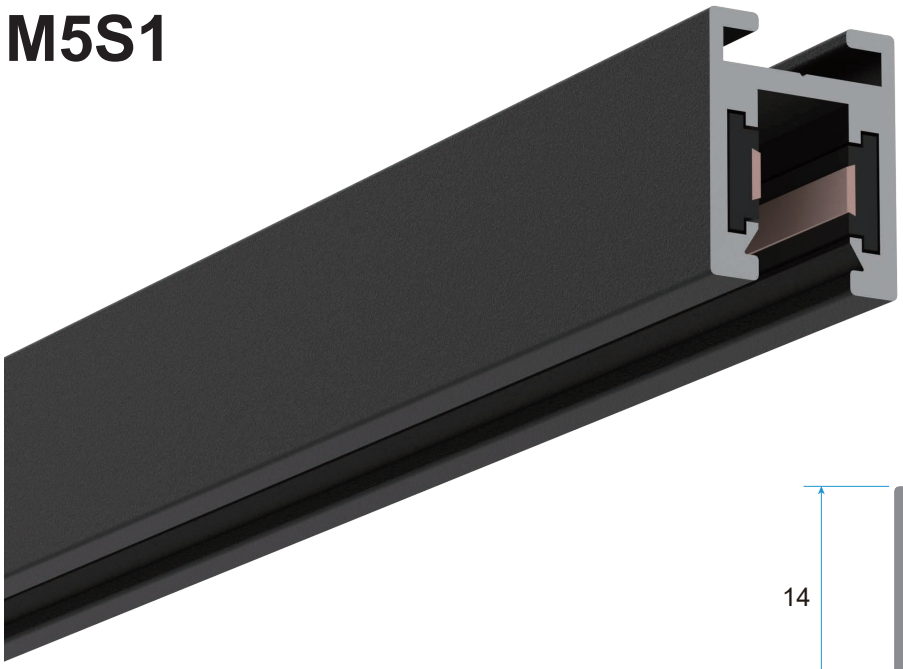


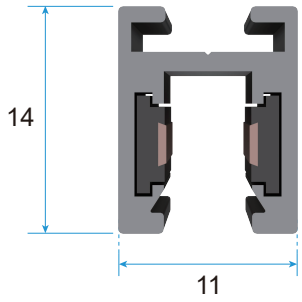
Item No.	M5PD1	M5PD2
Material	Aluminum	Aluminum
Input	AC180-260V	AC180-260V
Max. load	60W	60W
Size	L1200 W11 H14	L1200 W11 H60

24V Track

KOE

M5S1







Recessed



Surface mounted



Pendant

Item No.	M5S1 1M	M5S1 2M	M5S1 3M
Material	Aluminum	Aluminum	Aluminum
Input	DC24V	DC24V	DC24V
Max. current	10A	10A	10A
Max. load	5kg	10kg	15kg
Length	1 meter	2 meter	3 meter

Accessories M5S1



PD-M5
2m Pendant kits for M5



M5S1-E
End cap



M5-P
Connector P
Max. 6A



M5-P 2M
Connector P 2m
Max. 6A

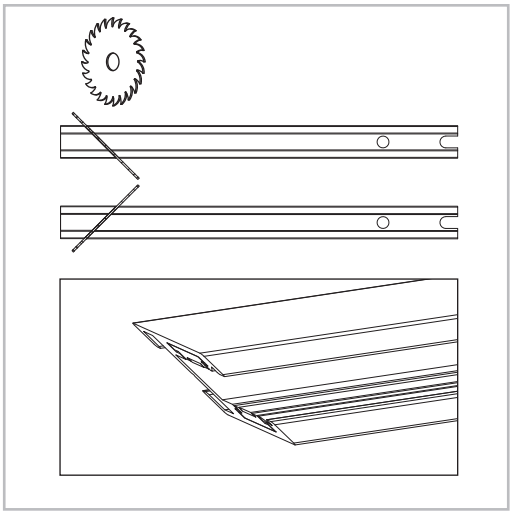


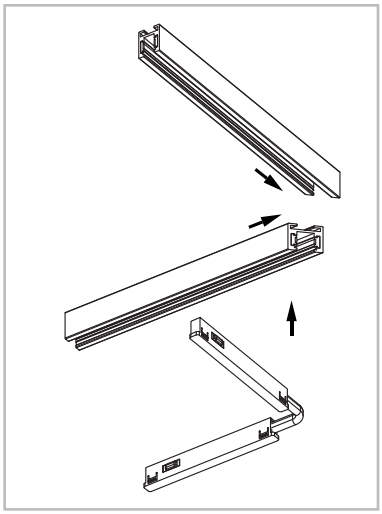
M5-F
Connector I
Max. 6A

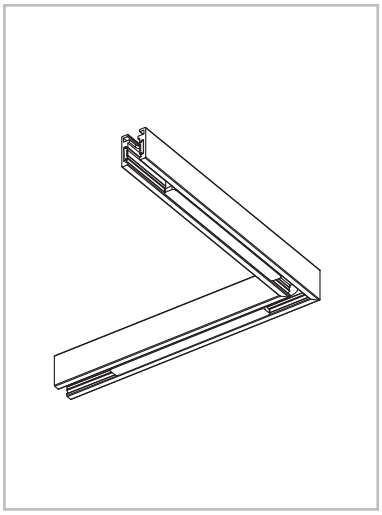


BR-M5S
Bracket for M5S Pendant
Iron

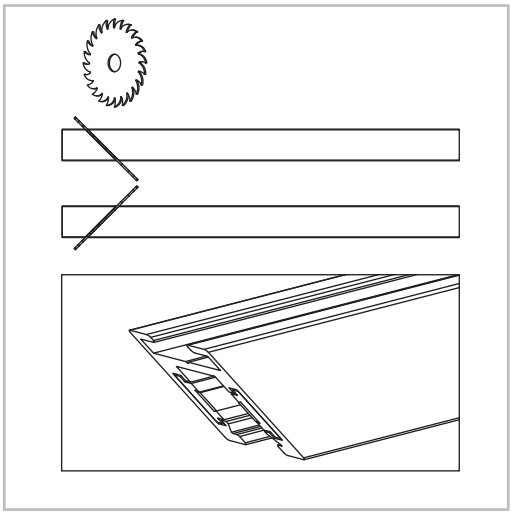
Horizontal connection

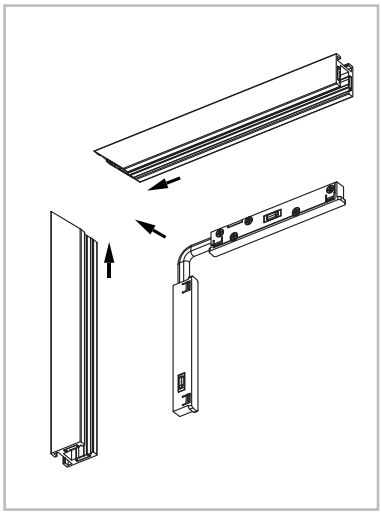


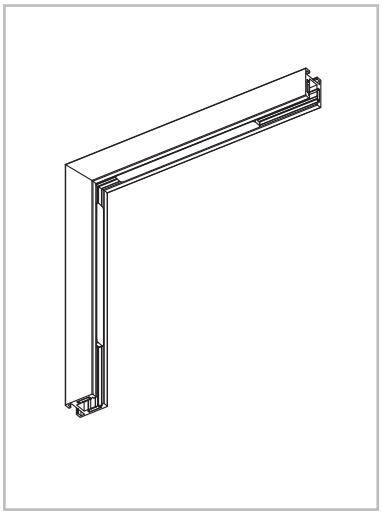




Vertical connection

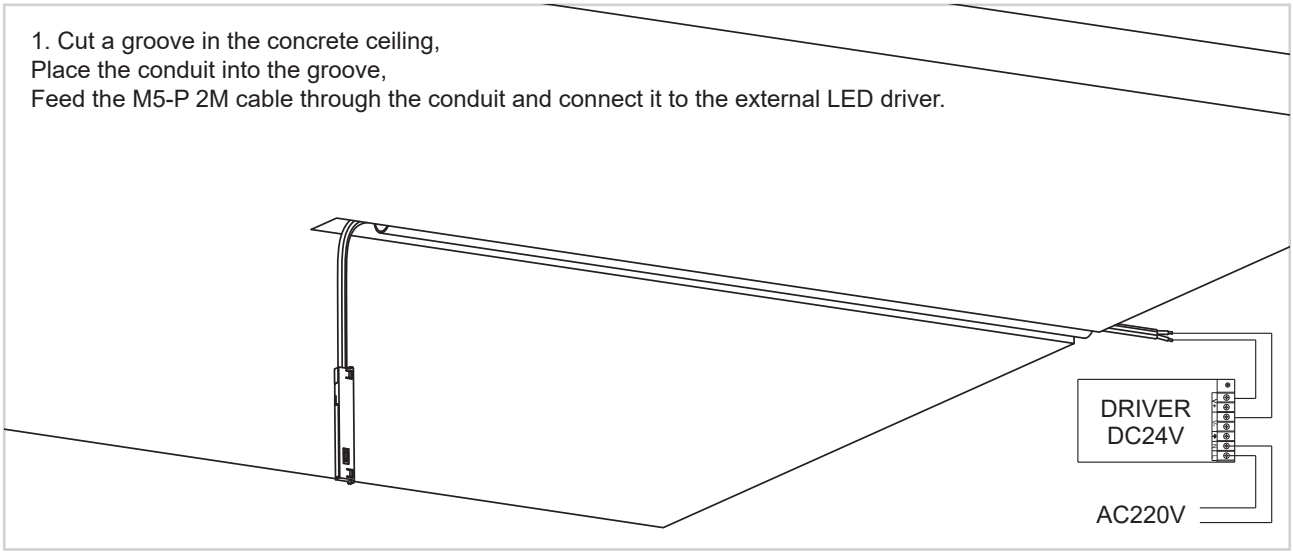




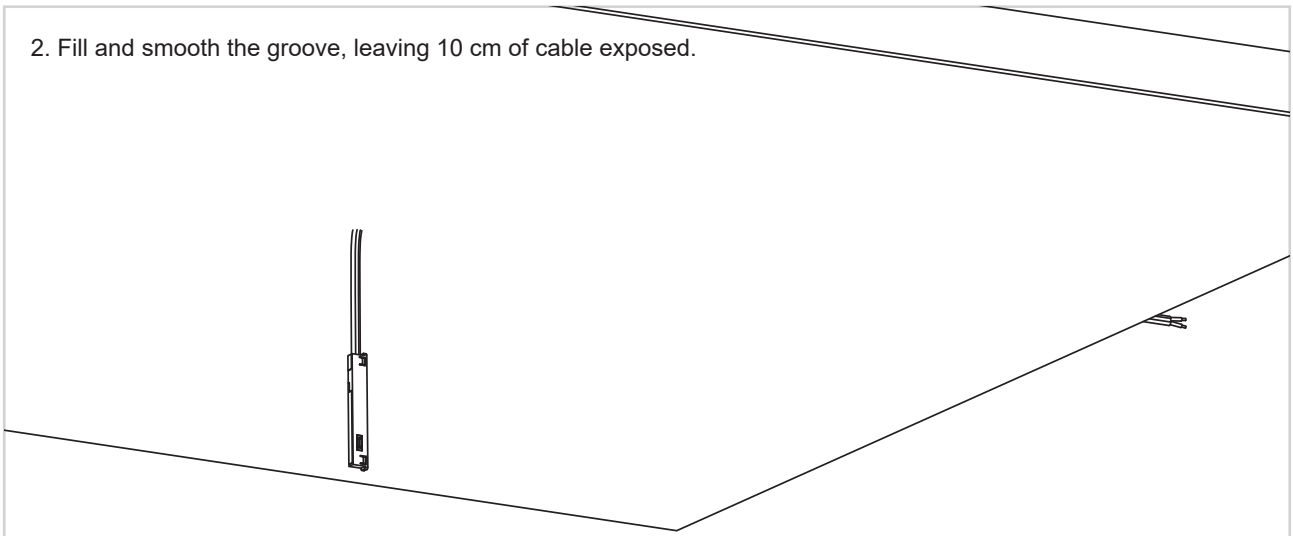


Installation on concrete ceiling

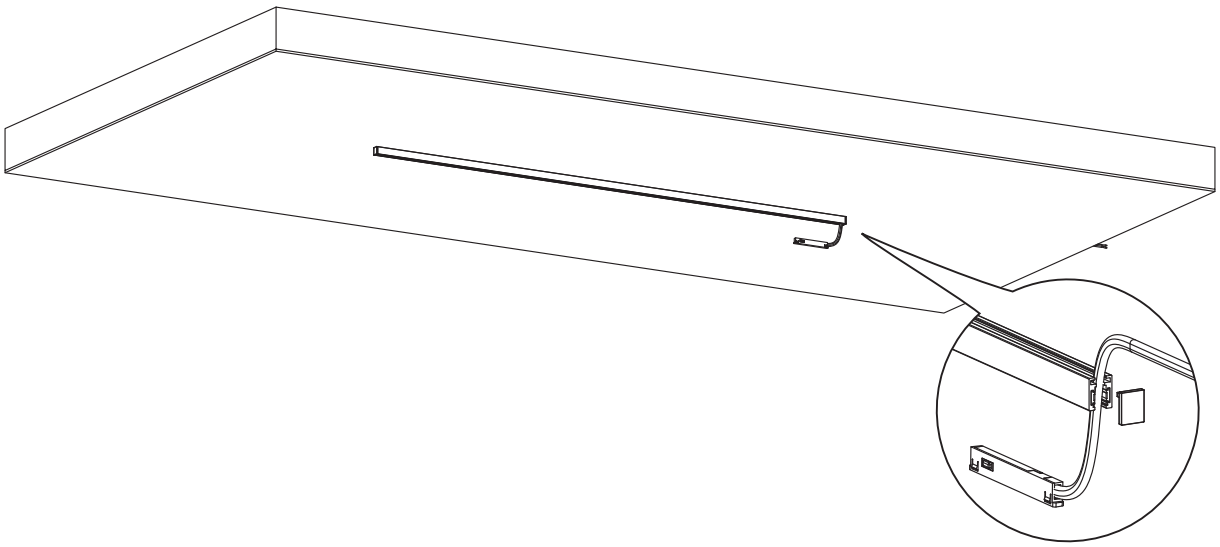
1. Cut a groove in the concrete ceiling,
Place the conduit into the groove,
Feed the M5-P 2M cable through the conduit and connect it to the external LED driver.



2. Fill and smooth the groove, leaving 10 cm of cable exposed.



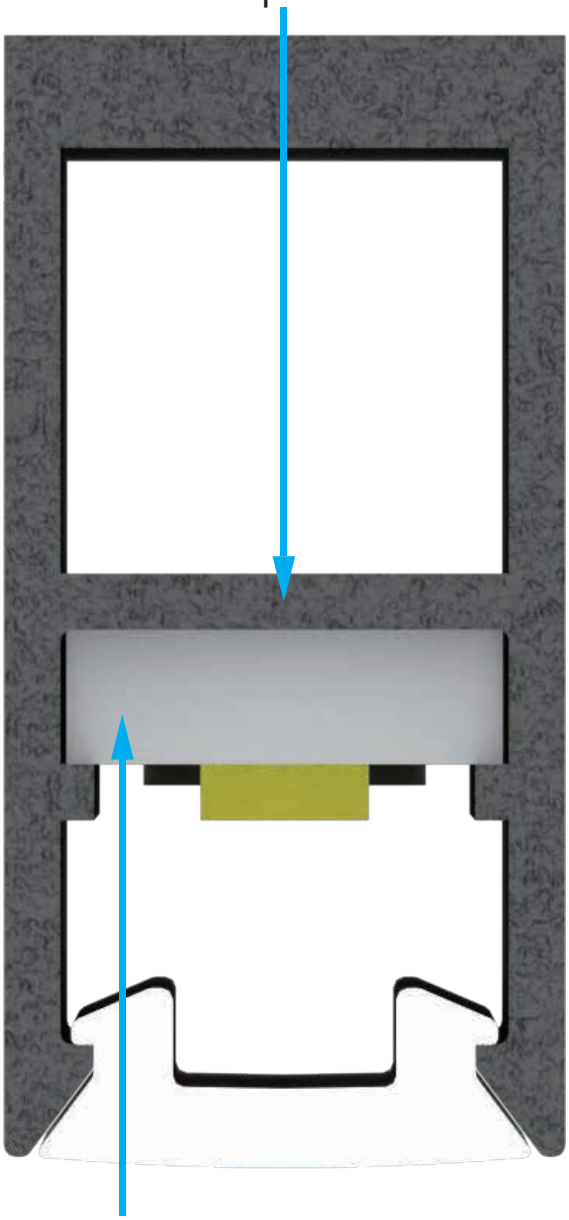
3. Align the notch on the side of the track with the exposed cable, install the track, and attach the end cap.



KOE

KOE

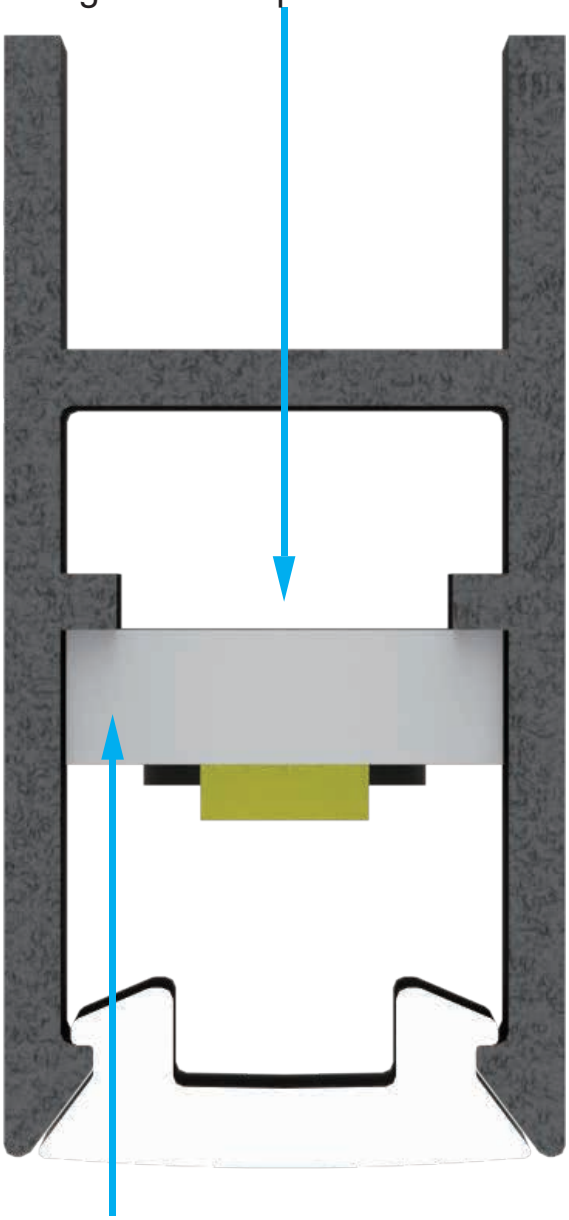
PCB contacting aluminum
→ quick heat spread
→ low LED temperature



Aluminum PCB
Thermal conductivity: 1.0W/(m·K)

Other company

PCB not contacting aluminum
→ heat trapped
→ high LED temperature



FR-4 PCB
Thermal conductivity: 0.2W/(m·K)