

Micro LED Light Strip

MLS . MLS-LUX . MLS-LUX PLUS

KDM
FDM
FDA
SDM



LEIYUEH
Sense of Light

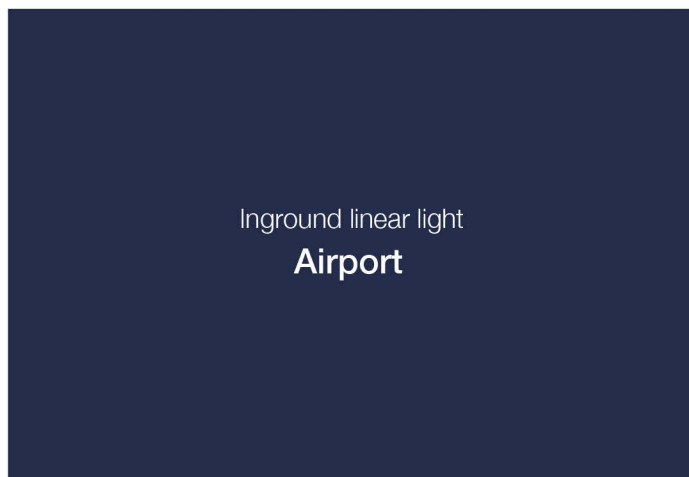


Pool lighting
Cruise ship

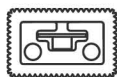
Outdoor lighting
Architectural
Outline



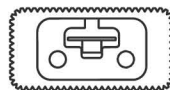
Inground linear light
Airport



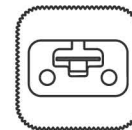
Specification Index



KDM
5 X 8



FDM
6 X 12



SDM
10 X 10

White
CCT
MLS

P. 4

P. 4

P. 4

Color
MLS

P. 6

P. 6

P. 6

MLS
LUX

P. 8

P. 8

P. 8

MLS
LUX⁺



P. 10



Specification

White CCT MLS

	KDM 	FDM 	SDM 
 OPTICAL			
LED Color	● XW Warm White 2700K±200 ● DW Day White 5700K±200 ● CW Cool White 9000K~13000K		
Typ. Illumination @Ht.45cm	● XW 260 Lux/M ● DW 280 Lux/M ● CW 165 Lux/M	● XW 290 Lux/M ● DW 350 Lux/M ● CW 185 Lux/M	● XW 180 Lux/M ● DW 210 Lux/M ● CW 140 Lux/M
Typ. Luminous Flux	● XW 240 lm/M ● DW 265 lm/M ● CW 160 lm/M	● XW 260 lm/M ● DW 290 lm/M ● CW 185 lm/M	● XW 210 lm/M ● DW 240 lm/M ● CW 160 lm/M
Typ. Luminous Efficiency	● XW 83.3 lm/W ● DW 92 lm/W ● CW 55.5 lm/W	● XW 90.2 lm/W ● DW 100.6 lm/W ● CW 64 lm/W	● XW 72.9 lm/W ● DW 83.3 lm/W ● CW 55.5 lm/W
Beam Angle	110 °		
LED Type	SMD 3014(Osram) / 3020		
CRI	≥ 80		
 MECHANICAL			
Dimension	5 mm(H) x 8 mm(W)	6 mm(H) x 12 mm(W)	10 mm(H) x 10 mm(W)
Weight	55 g/M	100 g/M	125 g/M
Product Appearance	Transparent polymer		
Product Material	PVC, Copper wire, LED, Resistor, FPC		
LED Spacing	2.78 cm		
Number of LED	36 pcs/M		

Specification

White CCT MLS

	KDM 	FDM 	SDM 
 ELECTRICAL			
Operation Voltage	12 / 24 Vdc		
Power Consumption	2.88 W/M		
Max. Input Current	12V 240 mA/M 24V 120 mA/M		
Max.Single Run (Calculated by 90% power export)	12V 25 M 24V 50 M	12V 30 M 24V 65 M	12V 30 M 24V 65 M
Cutting Length	12V 8.34 cm 24V 16.68 cm		
Useful Life	3,5000 hours		
 OTHERS			
Operation Temperature	-20 ~ 45 °C		
Storage Temperature	-20 ~ 60 °C		
Certificate	cETLus, CE, LVD, RoHS, REACH		
IP class	IP66/67		

Specification

Color MLS

	KDM 	FDM 	SDM 	
 OPTICAL				
LED Color	 BL Blue	 RD Red	 AM Amber	 PG Green
Typ. Luminous Flux	 51 lm/M (FDM)  82 lm/M (FDM)  71 lm/M (FDM)  244 lm/M (FDM)			
Typ. Luminous Efficiency	 19 lm/W (FDM)  28 lm/W (FDM)  25 lm/W (FDM)  83 lm/W (FDM)			
Beam Angle	120 °			
LED Type	SMD 3014			
Wavelength	 BL 465~470 nm	 RD 620~625 nm	 AM 587~592.5 nm	 PG 520~525 nm
 MECHANICAL				
Dimension	5 mm(H) x 8 mm(W)	6 mm(H) x 12 mm(W)	10 mm(H) x 10 mm(W)	
Weight	55 g/M	100 g/M	125 g/M	
Product Appearance	Transparent polymer			
Product Material	PVC, Copper wire, LED, Resistor, FPC			
LED Spacing	2.78 cm			
Number of LED	36 pcs/M			
 ELECTRICAL				
Operation Voltage	12 / 24 Vdc			
Power Consumption	2.88 W/M			
Max. Input Current	12V 240 mA/M 24V 120 mA/M			
Max.Single Run (Calculated by 90% power export)	12V 25 M 24V 50 M	12V 30 M 24V 65 M	12V 30 M 24V 65 M	
Cutting Length	12V 8.34 cm 24V 16.68 cm			
Useful Life	3,5000 hours			

Specification

Color MLS

	KDM 	FDM 	SDM 
 OTHERS			
Operation Temperature	-20 ~ 45 °C		
Storage Temperature	-20 ~ 60 °C		
Certificate	cETLus, CE, LVD, RoHS, REACH		
IP class	IP66/67		

Specification

MLS LUX

	KDM 	FDM 	SDM 
 OPTICAL			
LED Color	 XW Warm White 2700K±200		 DW Day White 5700K±200
Typ. Illumination @Ht.45cm	 520 Lux/M	 476 Lux/M	 390 Lux/M
	 590 Lux/M	 542 Lux/M	 420 Lux/M
Typ. Luminous Flux	 510 lm/M	 530 lm/M	 490 lm/M
	 550 lm/M	 550 lm/M	 550 lm/M
Typ. Luminous Efficiency	 70.8 lm/W	 73.6 lm/W	 68 lm/W
	 76.3 lm/W	 76.3 lm/W	 76.3 lm/W
Beam Angle	110 °		
LED Type	SMD 3014(Osram)		
CRI	≥ 80		
 MECHANICAL			
Dimension	5 mm(H) x 8 mm(W)	6 mm(H) x 12 mm(W)	10 mm(H) x 10 mm(W)
Weight	55 g/M	100 g/M	125 g/M
Product Appearance	Transparent polymer		
Product Material	PVC, Copper wire, LED, Resistor, FPC		
LED Spacing	2.78 cm		
Number of LED	36 pcs/M		
 ELECTRICAL			
Operation Voltage	12 / 24 Vdc		
Power Consumption	7.2 W/M		
Max. Input Current	12V 600 mA/M 24V 300 mA/M		
Max.Single Run (Calculated by 90% power export)	12V 10 M 24V 20 M	12V 12.5 M 24V 25 M	12V 12.5 M 24V 25 M
Cutting Length	12V 8.34 cm 24V 16.68 cm		
Useful Life	3,5000 hours		

Specification

MLS LUX

	KDM 	FDM 	SDM 
 OTHERS			
Operation Temperature	-20 ~ 45 °C		
Storage Temperature	-20 ~ 60 °C		
Certificate	cETLus, CE, LVD, RoHS, REACH		
IP class	IP66/67		

Specification

MLS LUX⁺

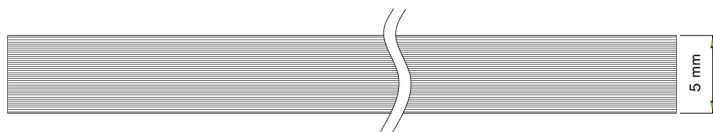
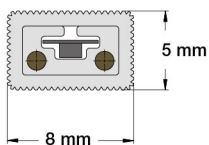
	FDA 	
 OPTICAL		
LED Color	● XW Warm White 2700K±200 ● WW Warm White 3000K±200	● DN Day White 4000K±200 ● DW Day White 5700K±200
Typ. Illumination @Ht.45cm	● XW 690 Lux/M ● WW 710 Lux/M	● DN 765 Lux/M ● DW 730 Lux/M
Typ. Luminous Flux	● XW 920 lm/M ● WW 980 lm/M	● DN 1060 lm/M ● DW 1000 lm/M
Typ. Luminous Efficiency	● XW 102.2 lm/W ● WW 108.8 lm/W	● DN 117.7 lm/W ● DW 110 lm/W
Beam Angle	110 °	
LED Type	SMD 2835(Osram)	
CRI	≥ 80	
 MECHANICAL		
Dimension	6 mm(H) x 12 mm(W)	
Weight	100 g/M	
Product Appearance	Transparent polymer	
Product Material	PVC, Copper wire, LED, Resistor, FPC	
LED Spacing	1.82 cm	
Number of LED	55 pcs/M	
 ELECTRICAL		
Operation Voltage	36 Vdc	
Power Consumption	9 W/M	
Max. Input Current	250 mA/M	
Max.Single Run (Calculated by 90% power export)	35 M	
Cutting Length	20.2 cm	
Useful Life	3,5000 hours	

Specification

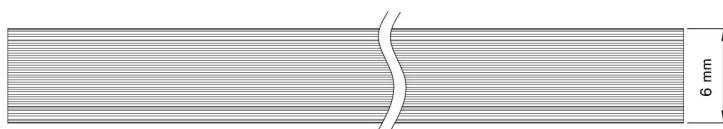
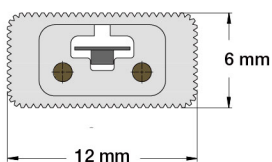
MLS LUX⁺

	FDA 
☰ OTHERS	
Operation Temperature	-20 ~ 45 °C
Storage Temperature	-20 ~ 60 °C
Certificate	cETLus, CE, LVD, RoHS, REACH
IP class	IP66/67

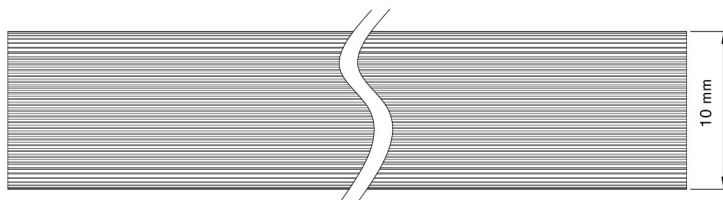
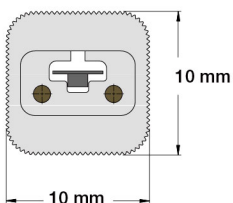
Schematics



5x8 KDM



6x12 FDM / FDA



10x10 SDM

Certificate



Model No.

D # – **###** – **###** – **##**
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧

① Strip Size	F 6x12 mm K 5x8 mm S 10x10 mm	⑥ LED Type	R SMD 3020 M SMD 3014 N SMD 2835
② Detail	D Rough surface Same light direction Same stamp line way	⑦ Packaging	E Europe Country G None EU contries H No brand
③ LED Spacing	A 1.82 cm M 2.78 cm E 2.54 cm	⑧ LED Color	BL Blue RD Red AM Amber PG Green XW Warm White 2700K±200 DW Day White 5700K±200 CW Cold White 9000K~13000K
④ Length	Practical Demand Length. <100 m or ft. (1st. code fills in "0") EX: 5m is shown 005 30m is shown 030		
⑤ Voltage	A DC 12V M DC 12V 50mA B DC 24V N DC 24V 50mA C DC 36V		

Product feature

Highlight *

- Single run up to 65M, the best flexible linear lighting

Feature *

- Durable double layer high quality polymer to protect wire and LED
- Quick-setting IP67 worldwide patented connectors
- World-class premium LED
- Using Bus-Wire to carry upto 8 Amps current within the product, make it single run can be as long as 50 Meters with safe low DC voltage
- Multiple sizes (5x8, 6x12, 10x10mm) for different usage
- Brightness Series : 290 lum/M, 550 lum/M, 1000 lm/M
- Variety CCT / Color : Cool White 9000K~13000K, White 5700K, Warm White 2700K, Red, Green, Amber, Blue
- Level CCT consistency in each roll
- Field Cut-&-Connectable
- Worldwide multi patents
- Weather& impact resistant
- Extremely flexible
- 100% manufacturing & assembling in Taiwan

Application

- Architectural outline and stage lighting
- Cove lighting
- Stairway and aisle lighting coves
- Emergency lighting
- Pathway lighting
- Marine lighting
- Under and over cabinet
- Scent Lighting
- Decorative Lighting

Accessories 5X8



MLS . MLS-LUX Connect / Wiring



Female Connector
BKFN



Male Connector
BKMN



H05RN PowerCord
(1.5/6 Ft)
BKMH-##
H05RN PowerCord
Female molded connector
+ Strip Male connector



SJTW PowerCord
(1.5/6 Ft)
BKMJ-##
SJTW PowerCord
Female molded connector
+ Strip Male connector



VDE PowerCord
(1.5/6 Ft)
BKMV-##
VDE PowerCord
Female molded connector
+ Strip Male connector



SPT-2 PowerCord
(1.5/6 Ft)
BKMS-##
SPT-2 PowerCord
Female molded connector
+ Strip Male connector



Strip In-Line Connector kit
BKSN
Strip In-Line Connector



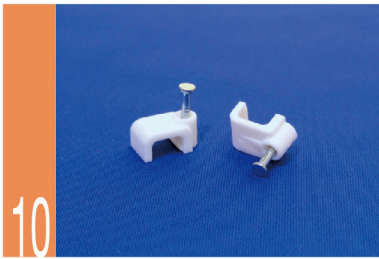
MLS . MLS-LUX Mounting Assembly



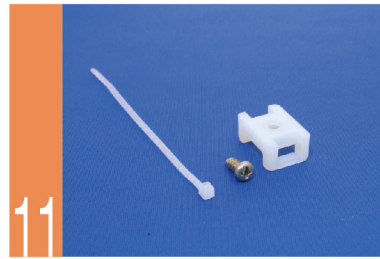
Cutting End Cap
SKCN



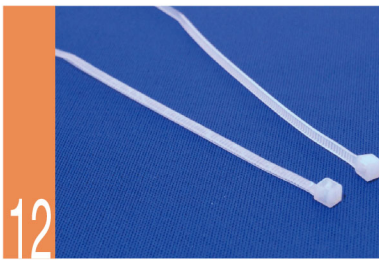
Female End Cap
SKFN



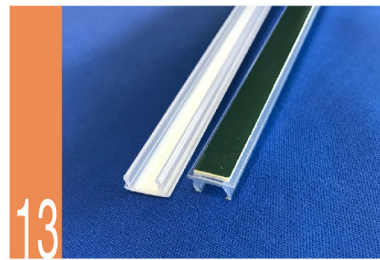
**Wood
Nail Clip**
#SNPK



**Saddle Mount
with Tie strip**
#SMPK



Tie strip
#C-6



**1M U-Type
Plastic Strip
Channel**
#STPV-K



Star Wrench
#MX-1
Wrench For connector
Installation



MLS . MLS-LUX Power & Control



**Switching Power
Supply 12V / 60W**
#TADC-12-05



**Switching Power
Supply 24V / 80W**
#TADC-24-03

Accessories 6X12



MLS . MLS-LUX . MLS-LUX⁺ Connect / Wiring



Female Connector
BFFN



Male Connector
BFMN



H05RN PowerCord
(1.5/6 Ft)
BFMH-##
H05RN PowerCord
Female molded connector
+ Strip Male connector



SJTW PowerCord
(1.5/6 Ft)
BFMJ-##
SJTW PowerCord
Female molded connector
+ Strip Male connector



VDE PowerCord
(1.5/6 Ft)
BFMV-##
VDE PowerCord
Female molded connector
+ Strip Male connector



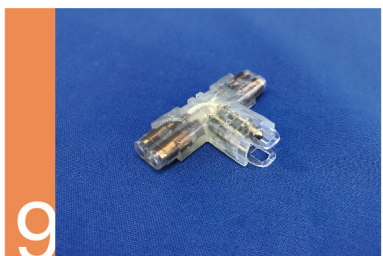
SPT-2 PowerCord
(1.5/6 Ft)
BFMS-##
SPT-2 PowerCord
Female molded connector
+ Strip Male connector



Strip In-Line Connector kit
BFSN



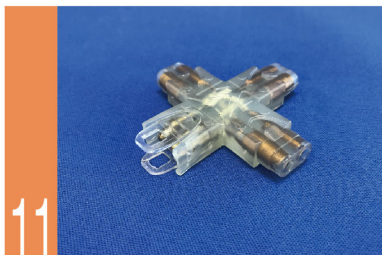
L Connector
BFLN
1xMale + 1xFemale
Connector



T Connector
BFTD
1xPower-in (Bottom) +
2xPower-out



T Connector
BFTR
1xPower-in (Right) +
2xPower-out



X Connector
BFXN
1xPower-in (Bottom) +
3xPower-out



**H05RN 6ft.
Extension Cord**
NFEH-60



**SJTW 6ft.
Extension Cord**
NFEJ-60



**VDE 6ft.
Extension Cord**
NFEV-60



**SPT-2 6ft.
Extension Cord**
NFES-60



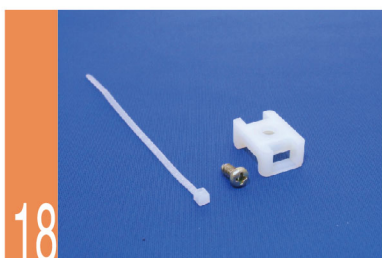
MLS . MLS-LUX . MLS-LUX⁺ Mounting Assembly



**Cutting
End Cap**
SFCN



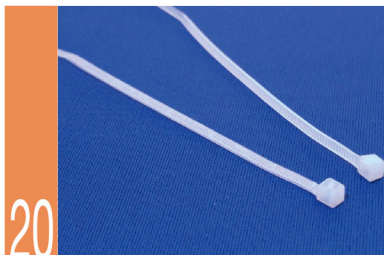
**Female
End Cap**
SFFN



**Saddle Mount
with Tie strip**
SMPF



**Wood
Nail Clip**
SNPF



Tie strip
C-6



**1M U-Type
Plastic Strip
Channel**
STPV-F



MLS . MLS-LUX . MLS-LUX⁺ Power & Control



**Switching Power
Supply 12V / 60W**
TADC-12-05



**Switching Power
Supply 24V / 80W**
TADC-24-03



**Switching Power
Supply 36V / 150W
IP67**



**Switching Power
Supply 36V / 240W
IP67**



**Switching Power
Supply 36V / 120W**



**Switching Power
Supply 36V / 240W**

Accessories 10X10



MLS . MLS-LUX Connect / Wiring



Female Connector
#BSFN



Male Connector
#BSMN



H05RN PowerCord
(1.5/6 Ft)
#BSMH-##
H05RN PowerCord
Female molded connector
+ Strip Male connector



SJTW PowerCord
(1.5/6 Ft)
#BSMJ-##
SJTW PowerCord
Female molded connector
+ Strip Male connector



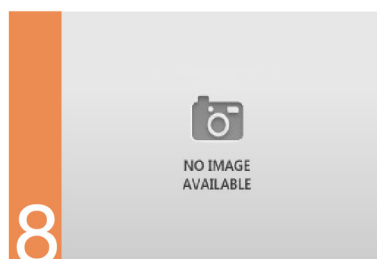
VDE PowerCord
(1.5/6 Ft)
#BSMV-##
VDE PowerCord
Female molded connector
+ Strip Male connector



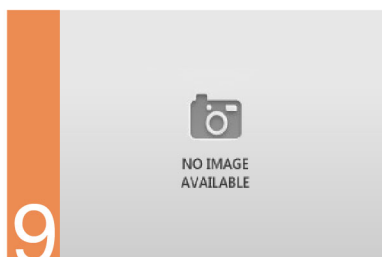
SPT-2 PowerCord
(1.5/6 Ft)
#BSMS-##
SPT-2 PowerCord
Female molded connector
+ Strip Male connector



Strip In-Line Connector Kit
#BSSN



H05RN 6ft. Extension Cord
#NSEH-60



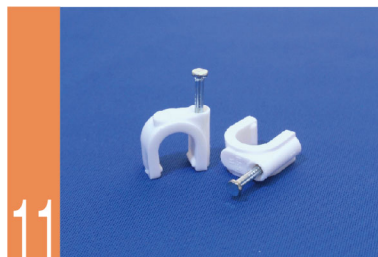
SJTW 6ft. Extension Cord
#NSEJ-60



MLS . MLS-LUX Mounting Assembly



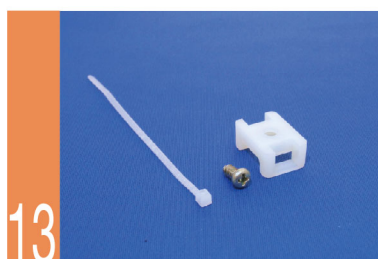
**Cutting
End Cap**
C-5M



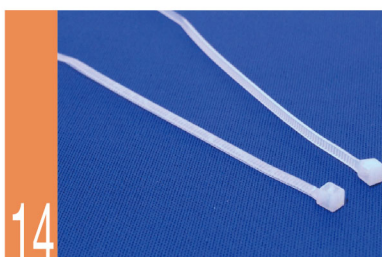
**Wood
Nail Clip**
#SNPS



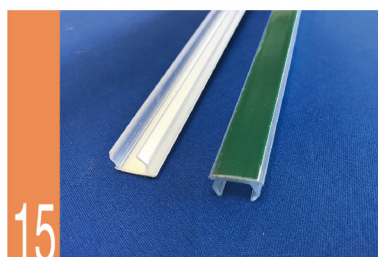
**Female
End Cap**
SSFN



**Saddle Mount
with Tie strip**
SMPS



Tie strip
C-6



**1M U-Type
Plastic Strip
Channel**
STPV-S



Star Wrench
MX-1
Wrench For connector
Installation



MLS . MLS-LUX Power & Control



**Switching Power
Supply 12V / 60W**
TADC-12-05



**Switching Power
Supply 24V / 80W**
TADC-24-03



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