MonoRail
LED for Display, Cabinet, Furniture & Cove

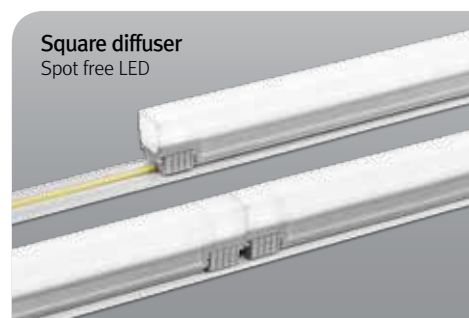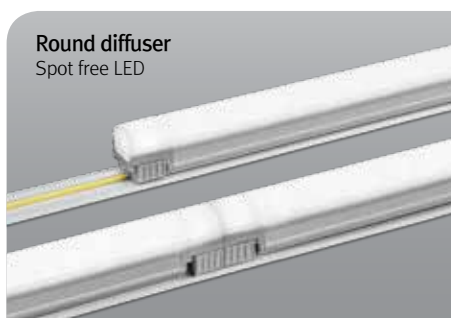Display & Cove system for long runs!

Product Features

– Super Slim linear with power track
– Greatly extends the length of a run with a single power point
– Fixtures snaps onto power track with no breaks in light output
– Available in silver, black
– To be used with constant voltage DC 24V driver
– Dimmable with available accessories

Specification

– Voltage : DC 24V
– Operating temperature : 0~45°C
– Lamp life : 50,000hrs / 70%
– Available color : 2700K, 3000K, 3500K, 4000K, 6000K
– Color rendering : Ra 〉85
– Energy efficiency : 75lm/W
– Degree of protection : IP20

Round diffuser
Spot free LED

Square diffuser
Spot free LED

MonoRail
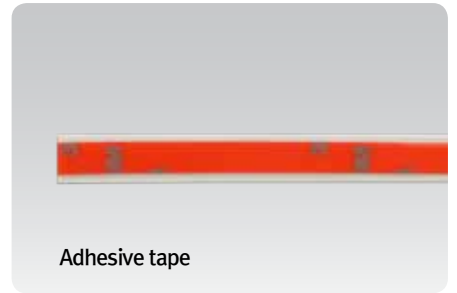Display& Cove System for Long runs!

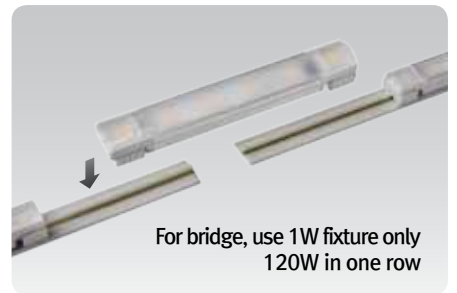MonoRail 1W Length (95mm)

MonoRail 4W Length (286mm)

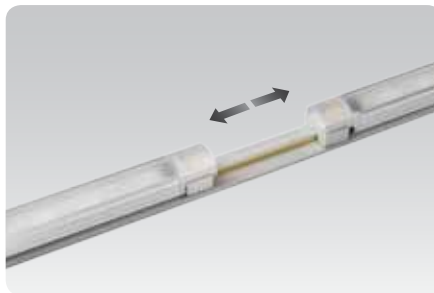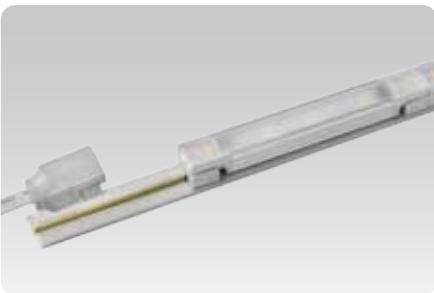MonoRail 8W Length (572mm)

MNR–Rail (power supply track)

Easy connection

For bridge, use 1W fixture only
120W in one row

Mounting bracket

Adhesive tape

Various option

Slim light system

MNR−Rail extrusion
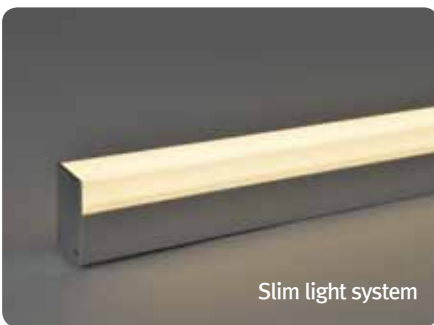
MNR−Rail − Power supply track for FLX Series
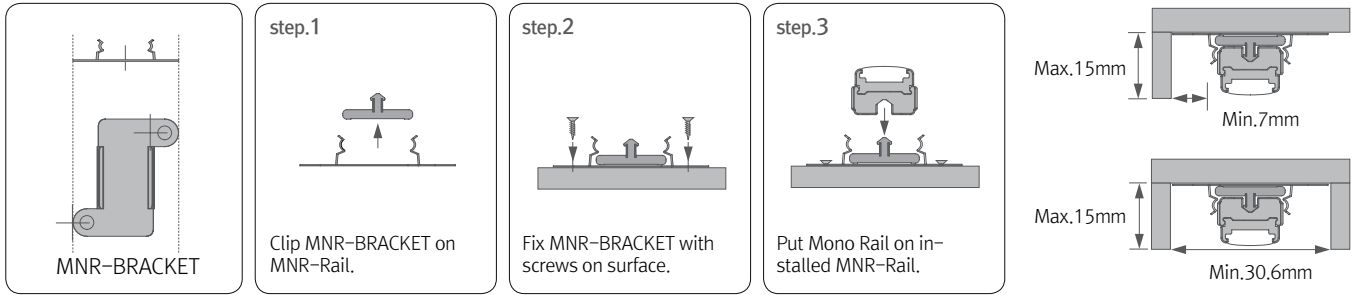
Installation

MNR-BRACKET	step.1	step.2	step.3
	Clip MNR-BRACKET on MNR-Rail.	Fix MNR-BRACKET with screws on surface.	Put Mono Rail on installed MNR-Rail.

Max.15mm Min.7mm

Max.15mm Min.30.6mm

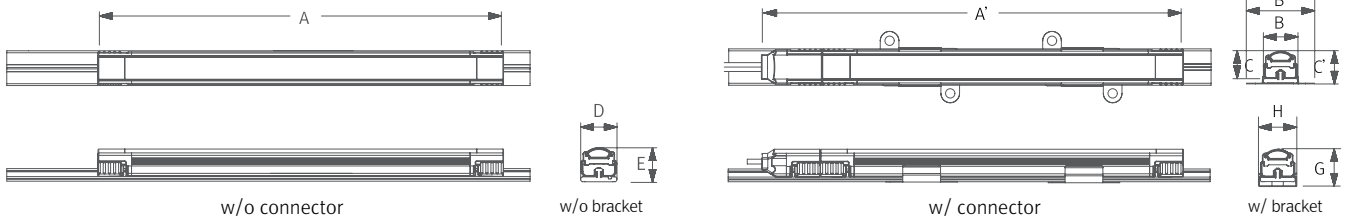## Max. connection

- MonoRail :180W in one row (Single power feed)
- LED Driver

LED Driver	Max. units for LED Driver	
Model Name	24V/75W	24V/200W
MNR1 40K-24V	51	139
MNR4 40K-24V	17	45
MNR8 40K-24V	8	22

Dimension

* Fixture

w/o connector

w/o bracket

w/ connector

w/ bracket

Model Name	Power Input (V)	Lamp Power (W)	A (mm)	A' (mm)	B (mm)	B' (mm)	C (mm)	C' (mm)	D (mm)	E (mm)	G (mm)	H (mm)
MNR1 40K-24V	DC 24	1.3	95	121	15.3	30.6	12.3	14.9	15.6	14.6	17	16.6
MNR4 40K-24V	DC 24	4	286	312	15.3	30.6	12.3	14.9	15.6	14.6	17	16.6
MNR8 40K-24V	DC 24	8	572	598	15.3	30.6	12.3	14.9	15.6	14.6	17	16.6

* 90 ° connector
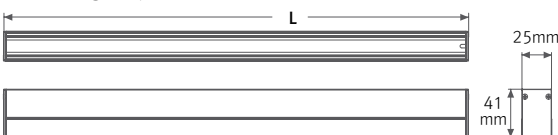
62.5 62.5 15.3 12.3 90 °

* MNR-Rail extrusion pole

20mm 303mm 20mm 24mm 25.2mm 42.4mm 42.4mm

* Slim light system

L 25mm 41mm

* MNR-Rail

L 15.6mm 5.7mm 2.1mm

* MNR-Rail extrusion line

1,200mm 17.4mm 6.4mm 17.4mm

* MNR-Rail extrusion corner
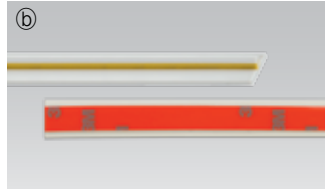
1,200mm 18.2mm 12.7mm 18.2mm

Accessories

ⓐ
ⓐ Power supply track : MNR-Rail (20m)

Power supply track in Roll without adhesive
Color : White, Gray, Black

ⓑ
ⓑ Power supply track : MNR-Rail (1.2m)

Power supply track with adhesive tape
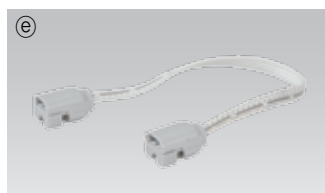Color : White, Gray, Black

ⓒ
ⓒ Adhesive tape
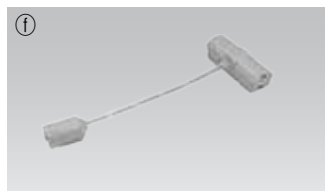
Adhesive tape for MNR-Rail (16.5 m)

ⓓ
ⓓ Power supply cable to the MNR-Rail : MNRPC (2500mm)

120W in one row (w/ terminal block)
180W in one row (w/o terminal block)

ⓔ
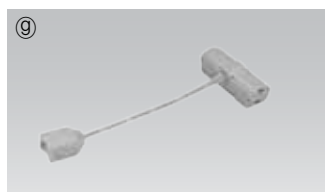**ⓔ Connecting cable between MNR-Rail**

MNRPTC	MNRPTC1	MNRPTC2	MNRPTC4	MNRPTC6
150mm(6inch)	300mm(1feet)	600mm(1feet)	1200mm(4feet)	1800mm(6feet)

ⓕ
ⓕ Connecting cable between MNR-Rail and FLX Stix NDV : MNRPTC-NDV

MNRPTC-NDV1	MNRPTC-NDV2
300mm(1feet)	600mm (2feet)

50W in one row

ⓖ
ⓖ Connecting cable between MNR-Rail and FLIX Stix HDV&DDV : MNRPTC-HDV

MNRPTC-HDV1	MNRPTC-HDV2
300mm(1feet)	600mm (2feet)

50W in one row

ⓗ
ⓗ Connecting cable between MNR-Rail and FLX Spot DVS : MNRPTC-DVS
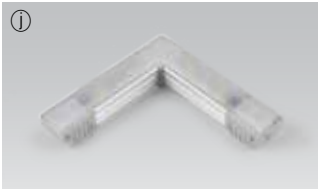
MNRPTC-DVS1	MNRPTC-DVS2
300mm(1feet)	600mm (2feet)

50W in one row

ⓘ
ⓘ Sidefeed for seamless extension(1W) : MNR1 40K-24V-S

120W in one row

ⓙ **ⓙ 90° connector : MNR1 40K-24V-90**

MonoRail90° connector (1W)
120W in one row

ⓚ **ⓚ LED Driver : FLC75-24V/T (75W 24V)**

LED Driver With 6way distributor, with power cord(1800mm)
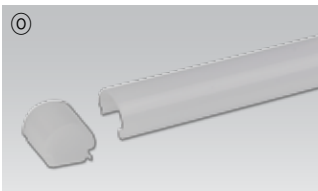
ⓛ **ⓛ LED Driver : FLC200-24V/T (200W 24V)**

LED Driver With 6way distributor
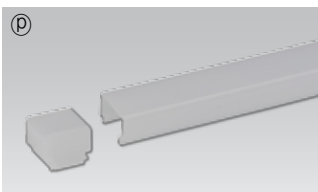
ⓜ **ⓜ MonoRail bracket : MNR-BRACKET (standard)**

ⓝ **ⓝ MonoRail bracket : MNR-BRACKET1 (optional)**

ⓞ **ⓞ Round Diffuser**

MNR1CVRM	MNR4CVRM	MNR8CVRM
1W	4W	8W

ⓟ **ⓟ Square Diffuser**

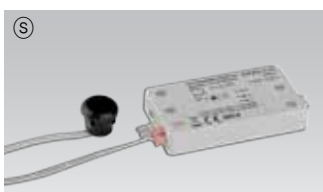| MNR1CVSM	MNR4CVSM	MNR8CVSM
1W	4W	8W

ⓠ **ⓠ Dimming Interface (1-10V) : FDC-L10**

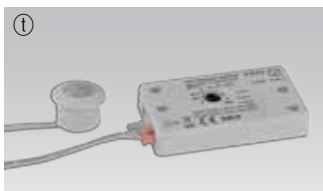Max. 100W (100W/CH, 1CH)

ⓡ Dimming Interface(0-10/1-10,DMX512)

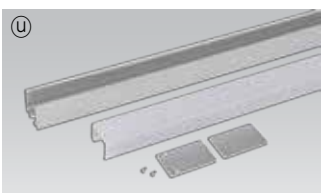FDA-L2M0 : Max. 200W (100W/CH, 2CH)
FDA-L5M : Max. 200W (100W/CH, 5CH)

ⓢ Door and motion detection sensor : FLS-M24V
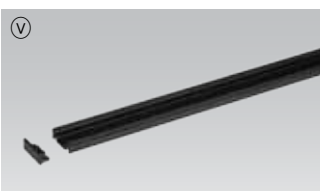
Voltage : DC 24V

ⓣ Human-body detection sensor : FLS-P24V
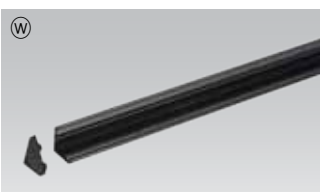
Voltage : DC 24V

ⓤ Slim light system (1.2m) : SLS-EXT

ⓥ MNR-Rail extrusion line (1.2m)

Silver	Black
MNR-EXL-SV	MNR-EXL-BK
Without MNR-Rail	

ⓦ MNR-Rail extrusion corner (1.2m)

Silver	Black
MNR-EXC-SV	MNR-EXC-BK
Without MNR-Rail	

ⓧ MNR-Rail extrusion pole (300mm)

Silver	Black
MNR-EXP-SV	MNR-EXP-BK
With MNR-Rail	

ⓨ End cap : MNR-CAP

Color : White, Gray, Black