EN **Installation instructions**

FEELUX Low Voltage LED Luminaire **DC 24V, CRI 90**

MonoRail Pro CRI90 and Spot

Type *(Linear)*	**MNP1** xxK-24V-C90**(-BK)**	1.4W, 0.06A, CRI90	***Type*** *(Spot)*	**MRS1** xxK-24V-yy**(-BK,-CR)**	1.3W, 0.06A
	MNP4 xxK-24V-C90**(-BK)**	4.3W, 0.18A, CRI90		**MRS3** xxK-24V-yy**(-BK,-WT)**	2.6W, 0.11A
	MNP8 xxK-24V-C90**(-BK)**	8.6W, 0.36A, CRI90		(xx=LED Color Temperature, yy=Beam angle)	

UL LISTED E346673

Class of protection III
Degree of protection IP 20
Radio-interference-suppressed

This LED Luminaire is designed for universal usage in shop constructions, counters, shelves, display units, concealed lightings, and etc.
Continuous row lightings are to be connected through flexible/direct connector and power supply cord

Mounting Dimensions

Fig. 1 Linear Type

MonoRail Pro	Wattage	Voltage Kelvin	Length L'
MNP1 xxK-24V-C90**(-BK)**, **MNP1** xxK-24V-C90-**S(-BK)** (xx=22,25,27,30,35,40,60)	1.4W	DC 24V 22 : 2200K 25 : 2500K 27 : 2700K 30 : 3000K 35 : 3500K 40 : 4000K 60 : 6000K	95 mm (3 1/4")
MNP1 xxK-24V-C90-**90(-BK)** (xx=22,25,27,30,35,40,60)			52 mm (2")
MNP4 xxK-24V-C90**(-BK)** (xx=22,25,27,30,35,40,60)	4.3W		286 mm (11 1/4")
MNP8 xxK-24V-C90**(-BK)** (xx=22,25,27,30,35,40,60)	8.6W	BK : BLACK	572 mm (22 1/2")

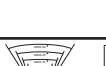

Fig. 2 Spot Type

MonoRail Spot	Wattage	Voltage Kelvin	Length L'	Height H'
MRS1 xxK-24V-15**(-BK,-CR)** **MRS1** xxK-24V-35**(-BK,-CR)** (xx=22,27,30,35,40,50)	1.3W	DC 24V 22 : 2200K 27 : 2700K 30 : 3000K 35 : 3500K 40 : 4000K 50 : 5000K BK : BLACK CR : CHROME WT : WHITE	55 mm (2 3/16")	48 mm (1 7/8")
MRS3 xxK-24V-25**(-BK,-WT)** **MRS3** xxK-24V-45**(-BK,-WT)** **MRS3** xxK-24V-60**(-BK,-WT)** (xx=27,30,35,40,50)	2.6W		65 mm (2 9/16")	65 mm (2 9/16")

15, 35, 25, 45, 60 is Beam Angle

Mounting Arrangements

Fig. 3

Max. wattage in one lighting row is **100 Watts**
Max. permitted ambient temperature : **45** ℃

Installation

LED DRIVER (CV mode)

- FLC200-24V (DC 24V 200W)
- FLC75-24V (DC 24V 75W)
- FLC30-24V (DC 24V 30W)
- FLC15-24V (DC 24V 15W)

Fixing of the LED Luminaire takes place via mounting clips/adhesive. These must be fixed at the desired area with screw(s), then the LED Luminaire can be snapped in place. Insert the end cap to the last luminaire of one lighting row

Connect only to designated LED - Drivers with constant output voltage 24V

Feelux will not grant guarantee for LED Luminaires if unspecified LED drivers are used without the written consent of Feelux !!

FEELUX LED DRIVER	Maximum interconnected units for LED DRIVER			
	MNP1/MRS1	MRS3	MNP4	MNP8
DC 24V 10W	10	5	3	2
DC 24V 30W	21	11	7	4
DC 24V 75W	53	28	17	9
DC 24V 200W	71	38	23	11

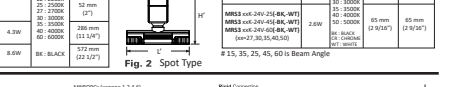

Fig. 4 MonoRail total lamp wattage in one lighting row **Maximum 100 Watt**

WARNING Information

This lighting is for indoor use only. Installation and removal must be performed after power supply disconnected. Installation shall be performed by a qualified electrician understanding the construction and operation of this lighting system and the electrical requirements involved. When connecting, insert connectors firmly. Pay close attention to the IN-Male...OUT-Female figures in lighting. Meaning of crossed out wheeled dustbin: Do not dispose electrical appliances as unsorted municipal waste, use designated collection facilities. Contact local government for information regarding available collection systems. If electrical appliances are disposed in landfills, hazardous substances/materials can leak into the groundwater, and obstruct food chain, damaging your health and well being. When replacing old appliances with new ones, the retailer is legally responsible for taking back old appliance for disposal with free of charge. Do not make modifications to or alter lighting housing, driver enclosure or electrical components other than those required for proper installation.

CAUTION Information

The unit conforms to the electromagnetic compatibility directive 2014/30/EU, and low voltage directive 2014/35/EU
! RISK OF FIRE (ATTENTION – RISQUE D'INCENDIE)
! INHERENTLY PROTECTED (PROTECTION INHÉRENTE)
! USE ONLY WITH CLASS 2 POWER UNIT
(UTILISER SEULEMENT AVEC LA CLASSE 2 BLOC D'ALIMENTATION)
! SUITABLE FOR DAMP LOCATIONS (CONVIENT AUX EMPLACEMENTS HUMIDES)
! SUITABLE FOR UNDER-CABINET MOUNT (PEUT ÊTRE FIXÉ SOUS UNE ARMOIRE)
! SUITABLE FOR INSTALLATION IN THE STORAGE AREA OF A CLOTHES CLOSET
(APPROPRIÉ POUR L'INSTALLATION DANS LA ZONE DE STOCKAGE D'UN PLACARD)
! INDOOR USE ONLY
! LED light may be bright and intense enough to cause injury to human eyes. The customer should never look directly into the LED light.

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