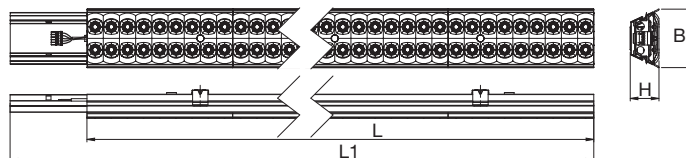


# Lens Fila LED

## Indoor luminaire

This luminaire is designed for mounting end to end in continuous rows using corresponding connecting kit for mechanical connection and through wiring kit. It is perfect to illuminate big areas such as retail and supermarkets.



W*	• Dimensions (mm) •				Weight max kg
	L	L1	B	H	
2x 18	569	719	114	56	1.3
2x 36	1 138	1 288	114	56	2.5
2x 80	1 422	1 572	114	56	3.5

## Accessories

supplied

Order code	Description
15040	OPTICOM PHOTOSENSOR ACCIAIO
-	COUPLER FOR COUPLING IN LINES
-	CEILING BRACKETS (2 pcs)

## Accessories

to be ordered separately

Order code	Description
20126	LENS FILA BOX
20127	LENS FILA SUSPENSION WIRE 1.5 m
20133	LENS FILA SUSPENSION WIRE 3 m
20134***	LENS FILA BRACKET BOX (only for T and cross configurations)
20135	LENS FILA 600 BLIND 5P
20136	LENS FILA 1200 BLIND 5P
20137	LENS FILA 1500 BLIND 5P
20138	LENS FILA POWER HEAD 5P
20139	LENS FILA CAP
20140	TERMINAL BLOCK 5P F P5.08
20141	TB 5P M 2.5 SF PHOENIX
20142	TB 2X5P F 2.5 SF PHOENIX
20144	LENS FILA CABLE 5P FEMALE
20145	LENS FILA CABLE 5P 2X FEMALE
20146	LENS FILA CABLE 5P MALE-FEMALE
20147	LF CABLE 5P FEMALE-2X FEMALE

## Building automation

to be ordered separately

Order code	Description
20102	BUILDING AUTOMATION CENTRAL UNIT
20124	BUILDING AUTOMATION CENTRAL UNIT WIFI
20104	2 INPUT INTERFACE – RADIO TRANSMITTER
15022	BUILDING AUTOMATION RADIO MODULE
15024	DALI MODULE
15034	1-10V MODULE

**SPECIAL VARIANTS: COLOUR TEMPERATURE ON REQUEST, COLOUR RENDERING  $\geq 90$**   
Contact the Beghelli sales network



### GENERAL CHARACTERISTICS

**Equivalent Power\*** 2x 18 W, 2x 36 W, 2x 58 W, 2x 80 W

#### Power supply **SD Version:**

93–265 V<sub>AC</sub> 50/60 Hz

176–250 V<sub>DC</sub>

**ED Version:** 230 V<sub>AC</sub>  $\pm 10\%$  50 Hz

**Standard** EN 60598-1, EN 60598-2-1, EN 60598-2-22 (fundamental requirements), EN 62471 (Photobiological hazard)

**Protection grade** IP40\*\*\*\*

**Working temp.** -20 ÷ +40 °C

**Mounting** ceiling, suspended mounting

**Body** galvanised Sheet steel painted with polyester powders RAL 9003

**Lenses** transparent PMMA

**UGR** <19

**Screen** micro-prismatic Tempered glass

**Driver **SD Version:****  
Electronic SD (cos  $\varphi \geq 0.96$ )  
Electronic intelligent dimming system

**ED Version:**  
Electronic ED (cos  $\varphi \geq 0.95$ )

**MTFB control gear\*\*** 80 000 h

**Luminous flux maintenance\*\*** >60 000 h (L80B20)

**Colour deviation** 3 SDCM

\* Equivalent power for comparison with fluorescent tubefixtures

\*\* At environmental reference temperature of 25 °C

\*\*\*\* Degree refers to single luminaire configuration

### Quantity of lamps in a continuous row per phase

Power W	N° lamps 230 V <sub>AC</sub>	Cable section mm <sup>2</sup>	Power consumption	Line length m 230 V <sub>AC</sub>
2x 18	–	2.5	27	–
2x 36	46	2.5	54	52
2x 80	37	2.5	67	52

**DOMOTIC RADIO MODULE**

**1÷10V MODULE**

**DALI MODULE**

**PLUG&LIGHT MODULE**

OPTIONAL MODULES TO EXTEND BEGHELLI SD TO RADIO CONTROL OR DALI / 1-10V SYSTEMS AND EMERGENCY



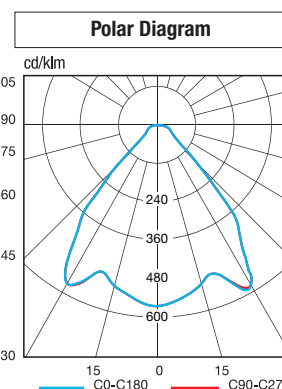
**INTELLIGENT PHOTOSENSOR**

1. **Autodimmer Natural Light**
2. **Autodimmer Dynamic Light**
3. **opticom TECHNOLOGY Smartphone Interface to control and set up system**

## Efficiency and dimming

The increase in luminous efficacy (lm/W) and the useful life of the device may vary significantly according to the degree to which it is dimmed. Assuming an average level of 50% of the luminous flux, the following results are obtained with the Lens Fila LED:

**Dimming 50 %**  
**Device duration +40 %**  
**Luminous efficiency +10 %**



## EMERGENCY WITH LED INVERTER

TR AT LG LGFM

INVERTER	Order Code	Description	Notes
	<b>19358</b>	INVERTER PLUG&LIGHT LED SE/SA 1H 20-60V	to be ordered separately
	<b>19359</b>	INVERTER PLUG&LIGHT LED SE/SA 3H 20-60V	to be ordered separately
	<b>19355</b>	INVERTER LED AT/LG 6W 55V 123H	to be ordered separately
	<b>19372</b>	INVERTER LED AT/LG 8W 55V 123H	to be ordered separately
	<b>19390</b>	INV EXT AT/LG 15W 55V 0,75-1-2-3-8H LTO	to be ordered separately
	<b>19391</b>	INV EXT AT/LG 15W 55V 0,75-1-2-3-8H LiFe	to be ordered separately

LG Inverters can be transformed in LGFM with the accessory code 19375

## Lens Fila LED

SmartDriver

Power* W	Order code	Description	LED Power W	Colour Temp. K	Colour rendering	Power consumption max W	N°LEDs	Flux of LEDs lm (Tj=25°C)	Flux of fixture lm	lm/W	Energy Class	Packaging
2x 18	<b>LF218SD</b>	LENS FILA LED 2x18 SD	27	4 000	≥80	30	36	4 700	4 000	133	A++	1
2x 36	<b>LF236SD</b>	LENS FILA LED 2x36 SD	54	4 000	≥80	60	72	9 300	8 000	133	A++	1
2x 80	<b>LF280SD</b>	LENS FILA LED 2x80 SD	67	4 000	≥80	74	90	11 600	9 900	133	A++	1

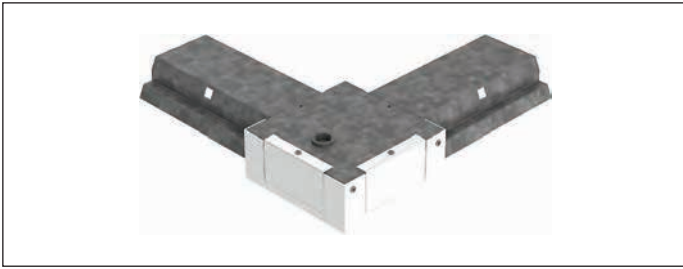
## Lens Fila LED

Eco Driver

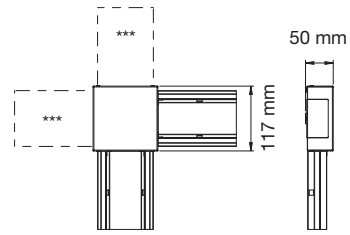
Power* W	Order code	Description	LED Power W	Colour Temp. K	Colour rendering	Power consumption max W	N°LEDs	Flux of LEDs lm (Tj=25°C)	Flux of fixture lm	lm/W	Energy Class	Packaging
2x 18	<b>LF218ED</b>	LENS FILA LED 2x18 ED	24	4 000	≥80	27	36	4 200	3 600	135	A++	1
2x 36	<b>LF236ED</b>	LENS FILA LED 2x36 ED	49	4 000	≥80	54	72	8 600	7 300	135	A++	1
2x 80	<b>LF280ED</b>	LENS FILA LED 2x80 ED	60	4 000	≥80	67	90	10 500	9 000	135	A++	1

# Lens Fila LED head and joint connections

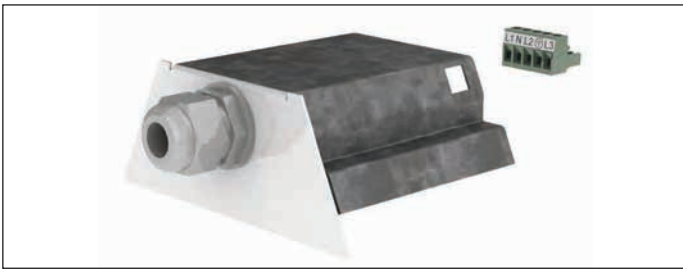
## LENS FILA BOX



20126 LENS FILA BOX

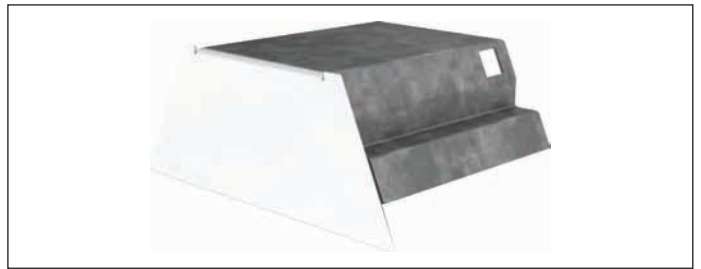


## LENS FILA POWER HEAD 5P



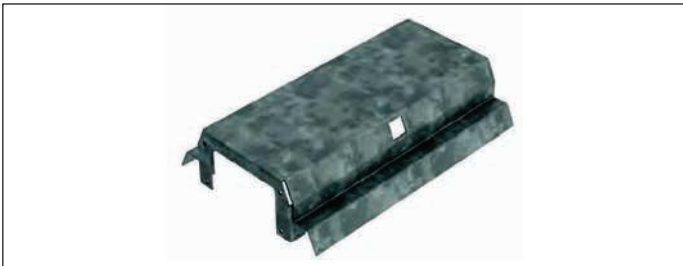
20138 LENS FILA POWER HEAD 5P

## LENS FILA CAP



20139 LENS FILA CAP

## LENS FILA BRACKET BOX



20134 LENS FILA BRACKET BOX

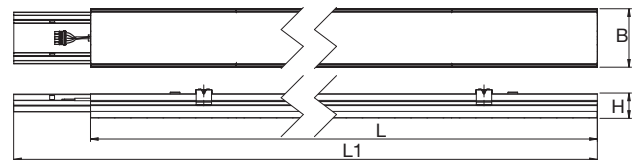
## LENS FILA 600-1200-1500 BLIND 5P



20135 LENS FILA 600 BLIND 5P

20136 LENS FILA 1200 BLIND 5P

20137 LENS FILA 1500 BLIND 5P



Code	• Dimensions (mm) •				Weight max kg
	L	L1	B	H	
20135	569	719	114	56	1.3
20136	1 138	1 288	114	56	2.5
20137	1 422	1 572	114	56	3.5

**TERMINAL BLOCK 5P F P5.08**



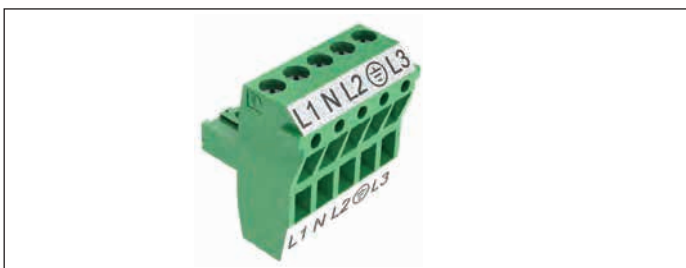
**20140** TERMINAL BLOCK 5P F P5.08

**TB 5P M 2.5 SF PHOENIX**



**20141** TB 5P M 2.5 SF PHOENIX

**TB 2X5P F 2.5 SF PHOENIX**



**20142** TB 2X5P F 2.5 SF PHOENIX

**LENS FILA CABLE 5P FEMALE**



**20144** LENS FILA CABLE 5P FEMALE

**LENS FILA CABLE 5P 2X FEMALE**



**20145** LENS FILA CABLE 5P 2X FEMALE

**LENS FILA CABLE 5P MALE-FEMALE**



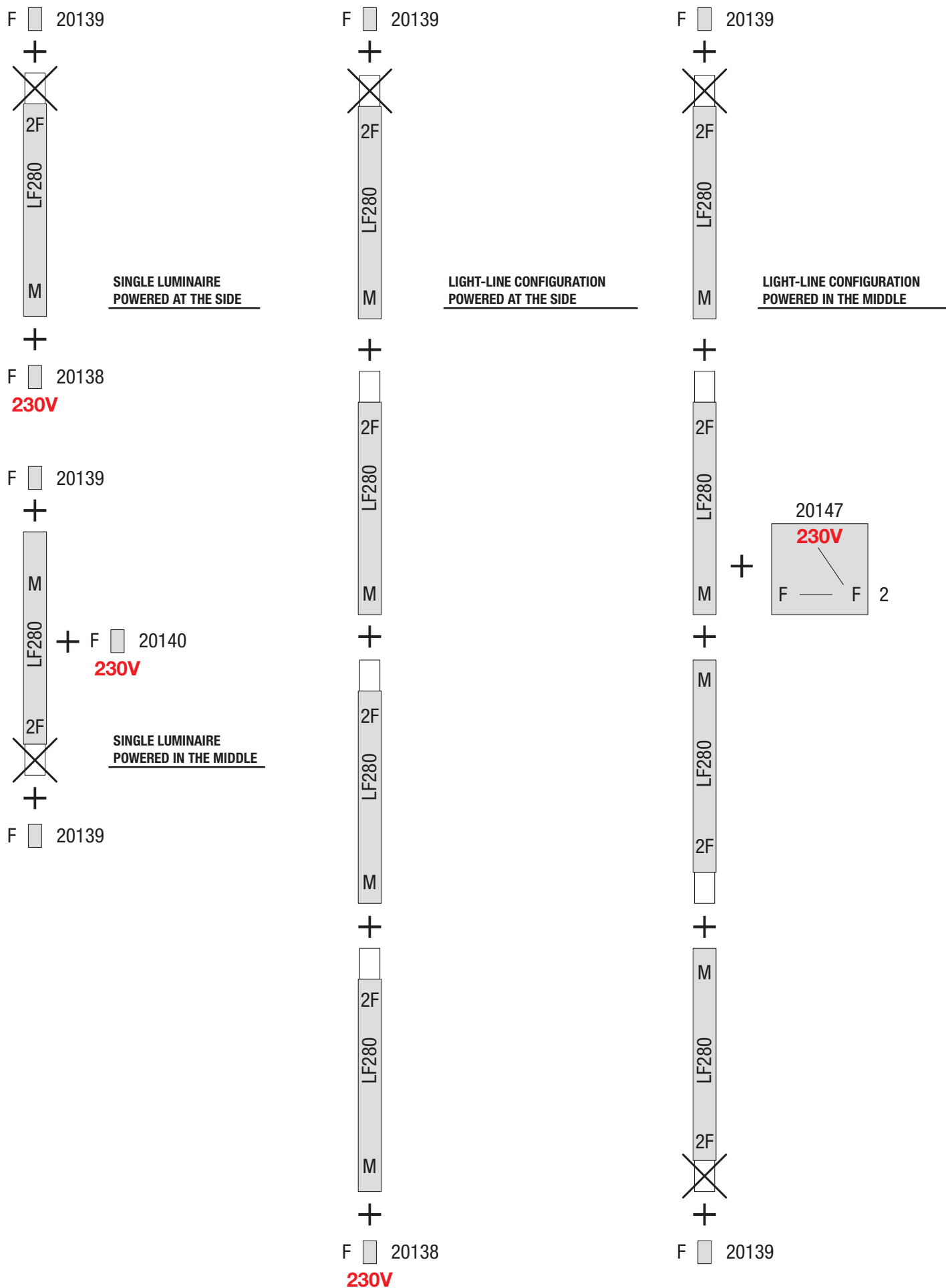
**20146** LENS FILA CABLE 5P MALE-FEMALE

**LF CABLE 5P FEMALE-2X FEMALE**

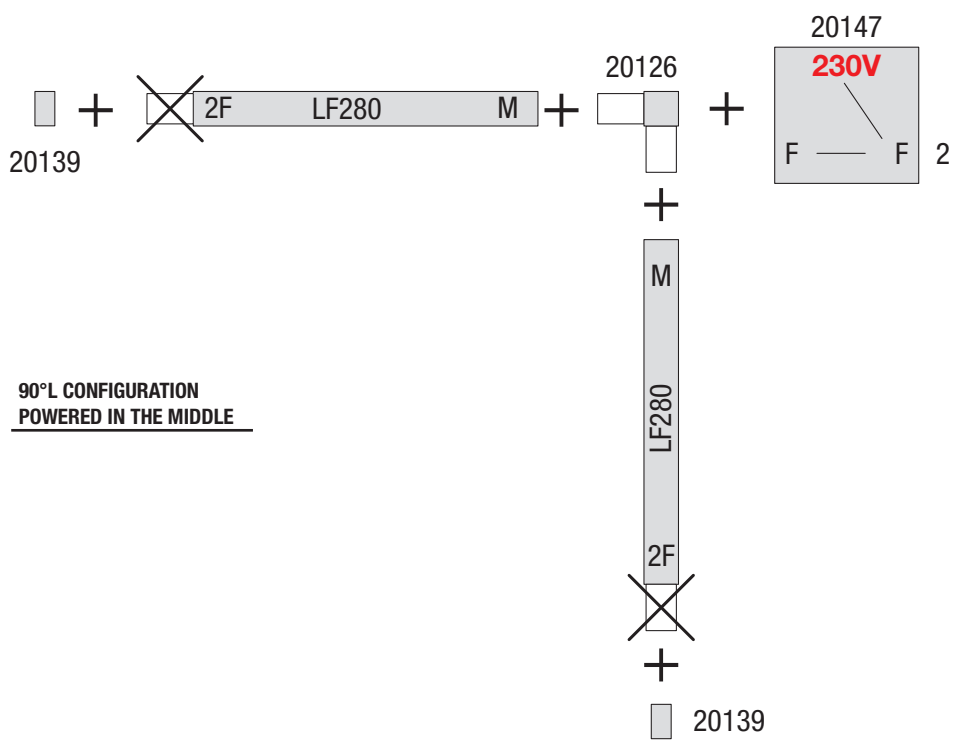
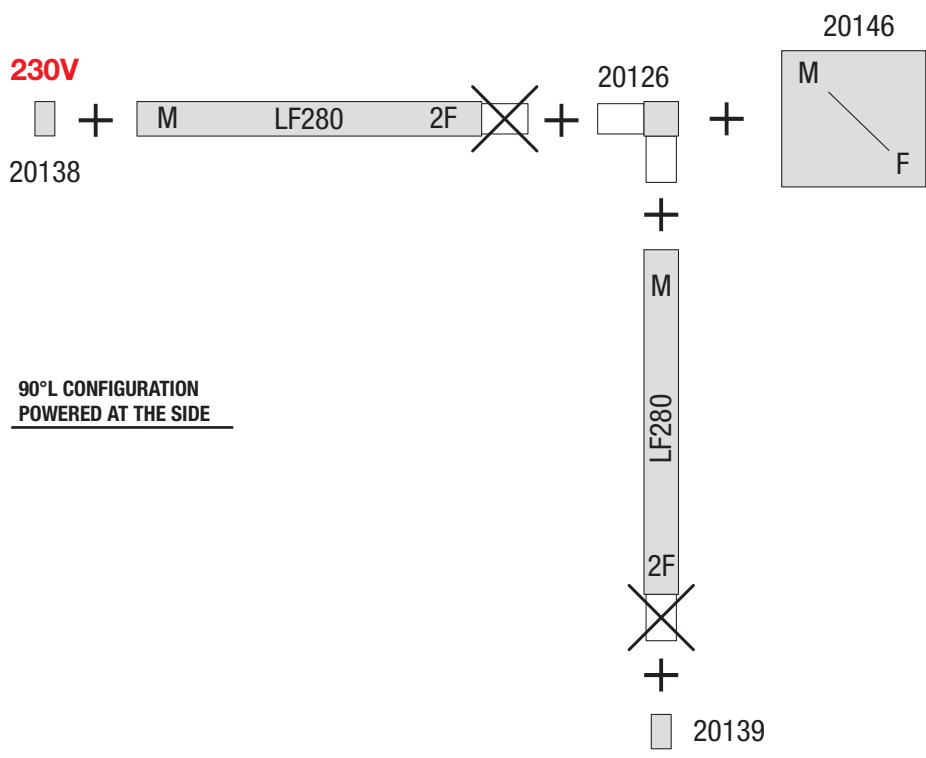


**20147** LF CABLE 5P FEMALE-2X FEMALE

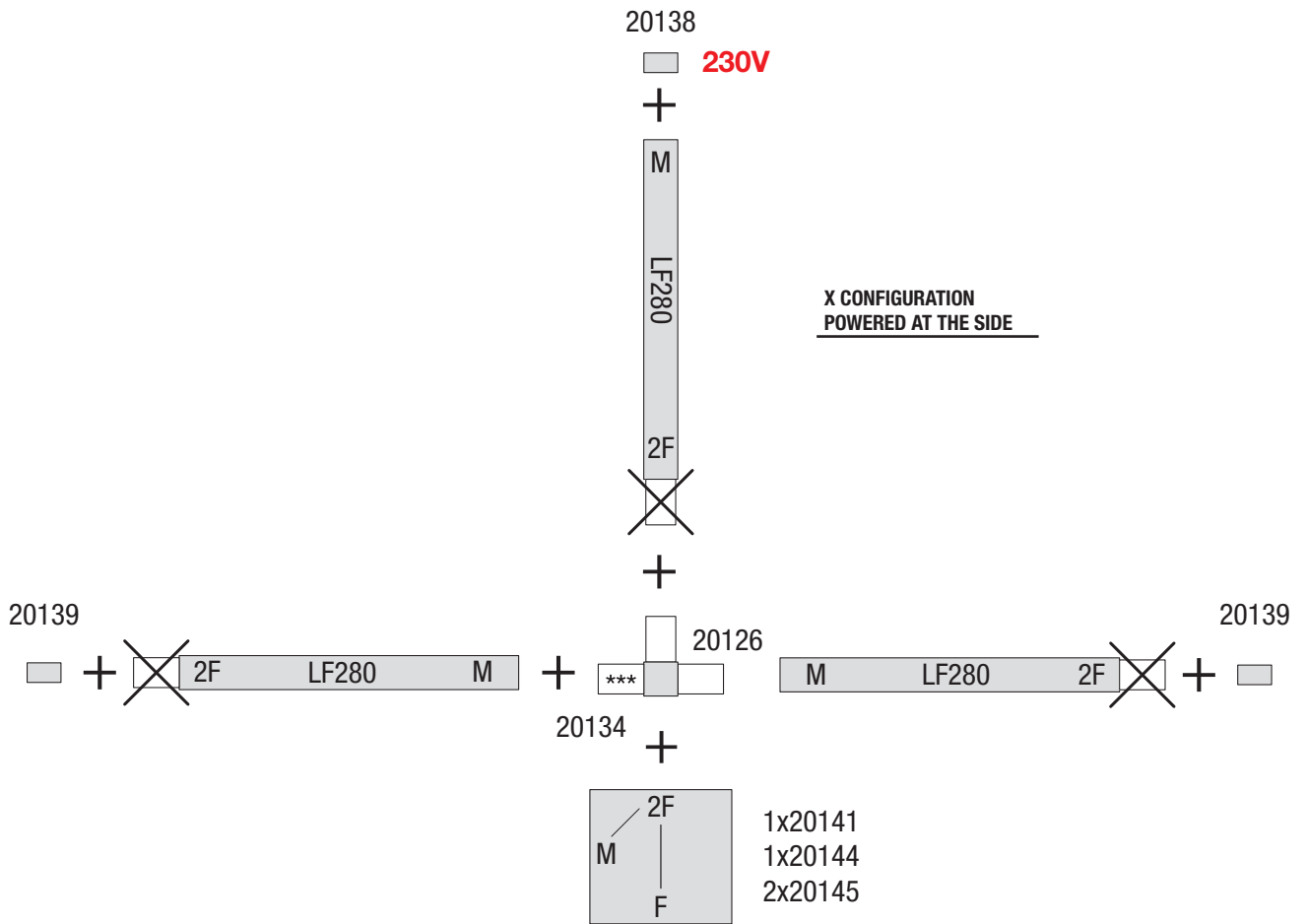
# Different components to form light-lines and structures





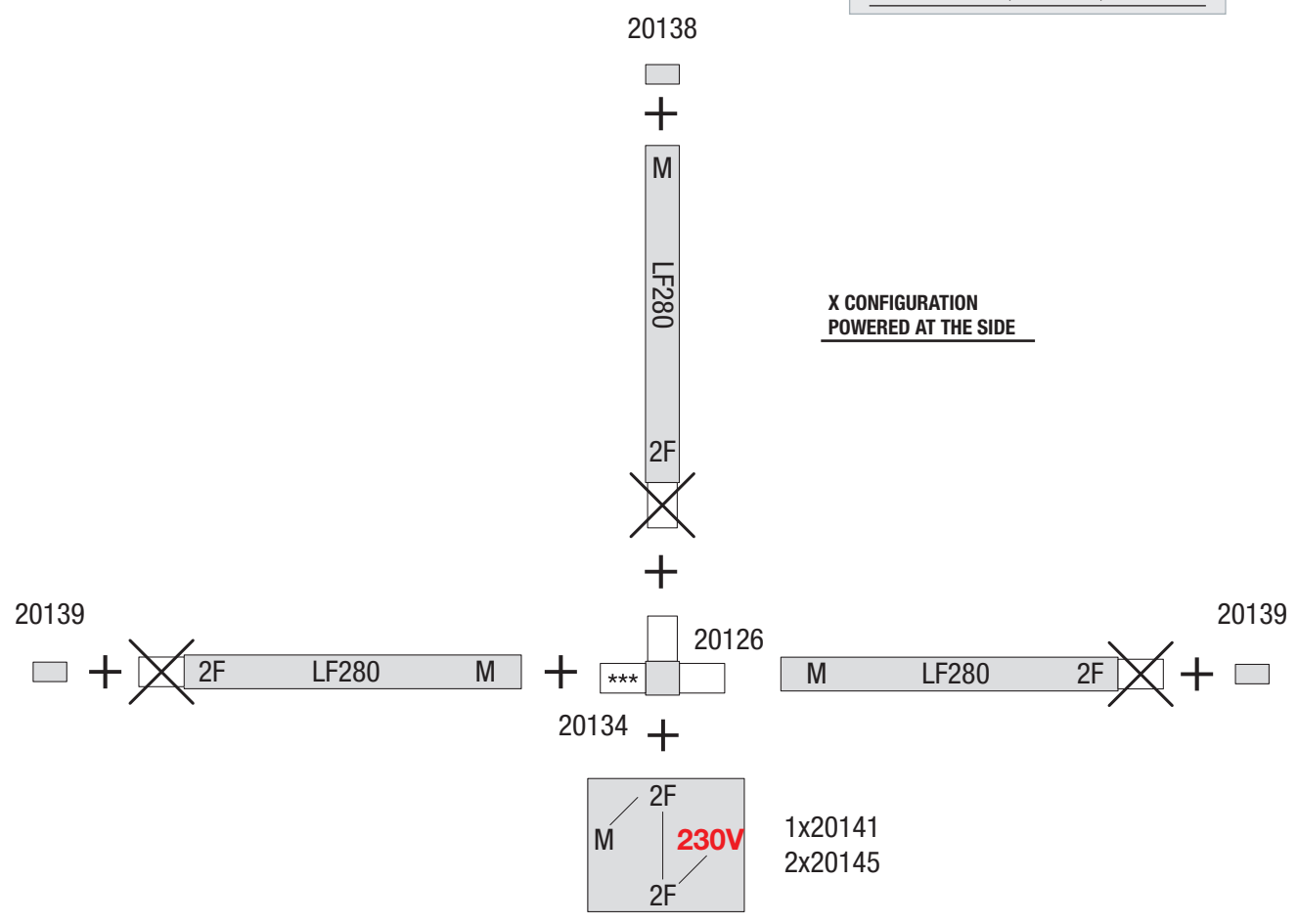
LEGEND	
F	FEMALE CONNECTOR
2F	DOUBLE FEMALE CONNECTOR
M	MALE CONNECTOR
<del>☒</del>	SUPPLIED BRACKET TO BE REMOVED



# Different components to form light-lines and structures

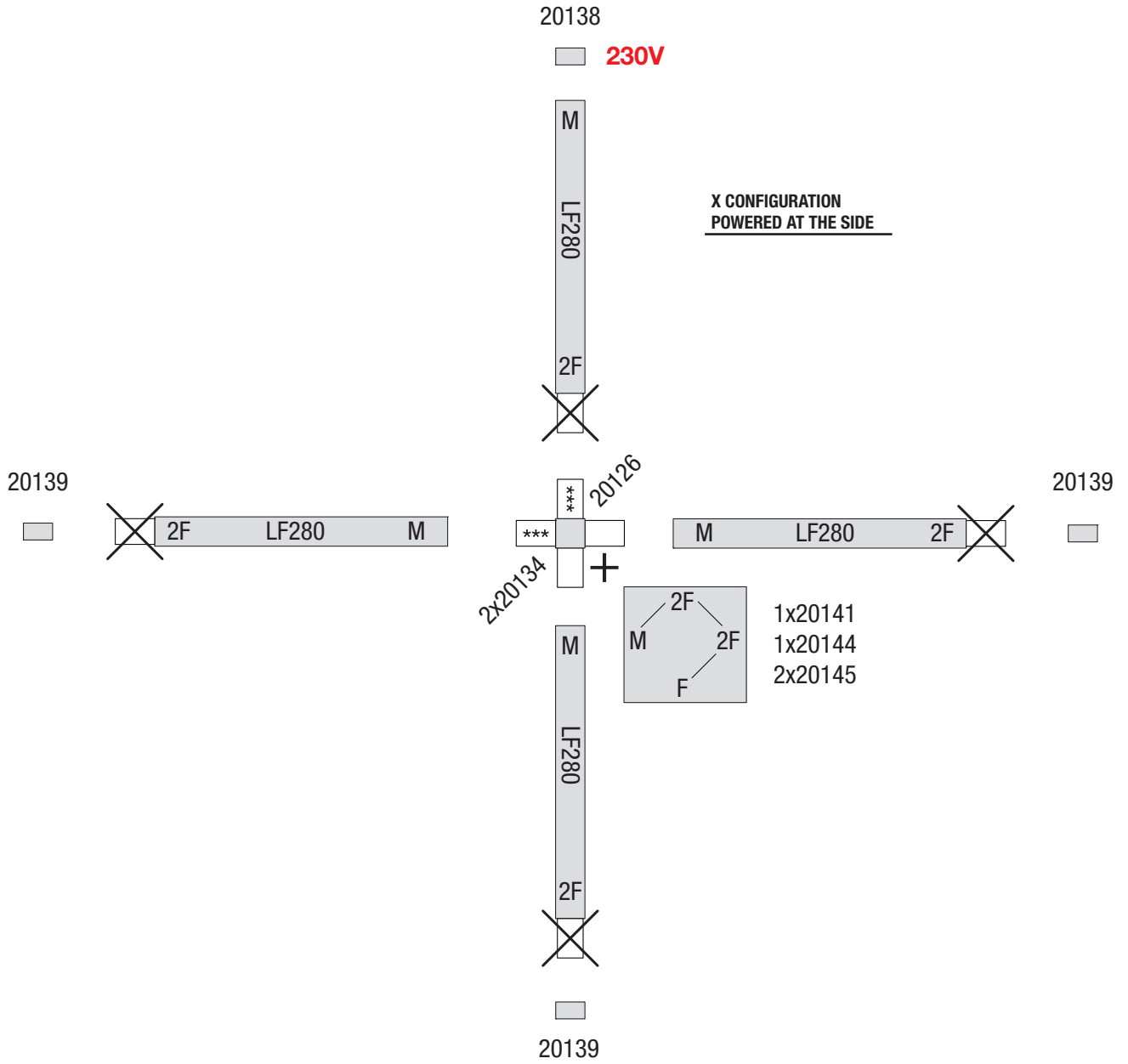




LEGEND	
F	FEMALE CONNECTOR
2F	DOUBLE FEMALE CONNECTOR
M	MALE CONNECTOR
	SUPPLIED BRACKET TO BE REMOVED
	BRACKET NEEDED TO COMPLETE MOUNTING (COD. 20134)





# Different components to form light-lines and structures



LEGEND	
<b>F</b>	FEMALE CONNECTOR
<b>2F</b>	DOUBLE FEMALE CONNECTOR
<b>M</b>	MALE CONNECTOR
	SUPPLIED BRACKET TO BE REMOVED
	BRACKET NEEDED TO COMPLETE MOUNTING (COD. 20134)

