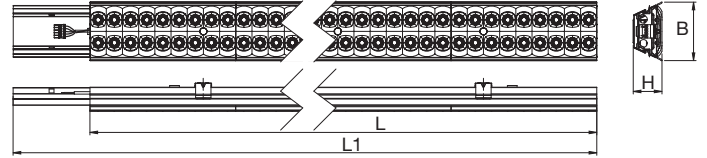


Lens Fila LED

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

Accessories

supplied

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
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 ≥ 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:** Universal Multi Voltage
 93–265 V_{AC} 50/60 Hz
 176–250 V_{DC}
ED Version: 230 V_{AC} $\pm 10\%$ 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 _{AC} | Cable section mm ² | Power consumption | Line length m 230 V _{AC} |
|---------|------------------------------|-------------------------------|-------------------|-----------------------------------|
| 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**



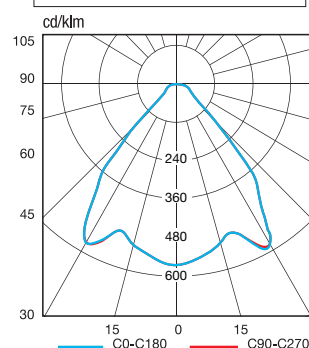
CEILING AND SUSPENDED

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 SD 50 %
Device duration +40 %
Luminous efficiency +10 %

Polar Diagram



EMERGENCY WITH LED INVERTER

TR AT LG LGFM

| INVERTER | Order code | Description | to be ordered separately |
|----------|---|-------------|--------------------------|
| 19358 | INVERTER PLUG&LIGHT LED SE/SA 1H 20-60V | | |
| 19359 | INVERTER PLUG&LIGHT LED SE/SA 3H 20-60V | | |
| 19364 | INV LED IP65 AT/LG 123H (addressable) | | |
| 19365 | INV LED IP65 LGFM 123H (addressable) | | |

Lens Fila LED

SmartDriver **SD**

| 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 | LF218SD | LENS FILA LED 2x18 SD | 27 | 4 000 | ≥80 | 30 | 36 | 4 700 | 4 000 | 133 | A++ | 1 |
| 2x 36 | LF236SD | LENS FILA LED 2x36 SD | 54 | 4 000 | ≥80 | 60 | 72 | 9 300 | 8 000 | 133 | A++ | 1 |
| 2x 80 | LF280SD | LENS FILA LED 2x80 SD | 67 | 4 000 | ≥80 | 74 | 90 | 11 600 | 9 900 | 133 | A++ | 1 |

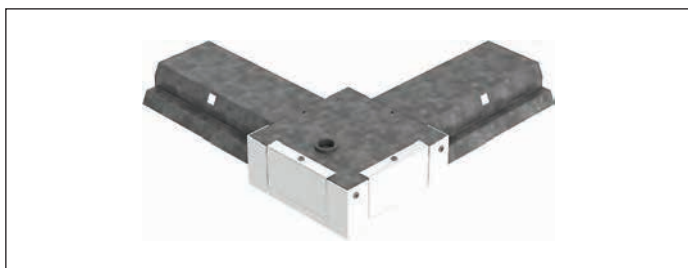
Lens Fila LED

Eco Driver **ED**

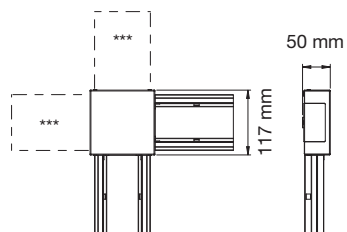
| Power* W | Order code | Description | LED Power W | Colour Temp. K | Colour rendering | Power consumption max. W | N°LEDs | Flux of LEDs lm (Tj=25°C) | Flux of fixture lm | lm/W | Energy Class | Packaging |
|----------|----------------|-----------------------|-------------|----------------|------------------|--------------------------|--------|----------------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

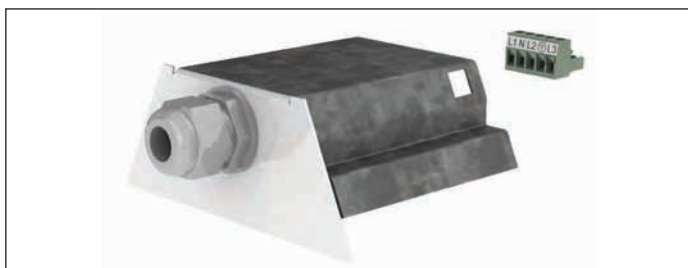
LENS FILA BOX



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

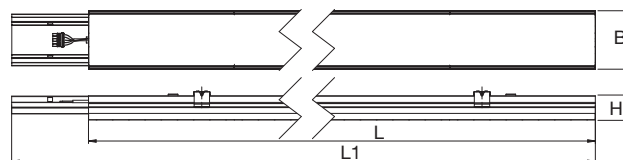
LENS FILA 600-1200-1500 BLIND 5P



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



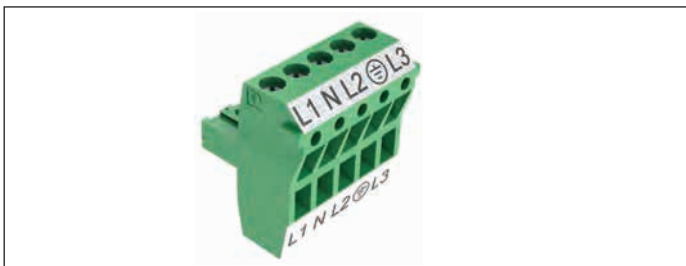
20140 TERMINAL BLOCK 5P F P5.08

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



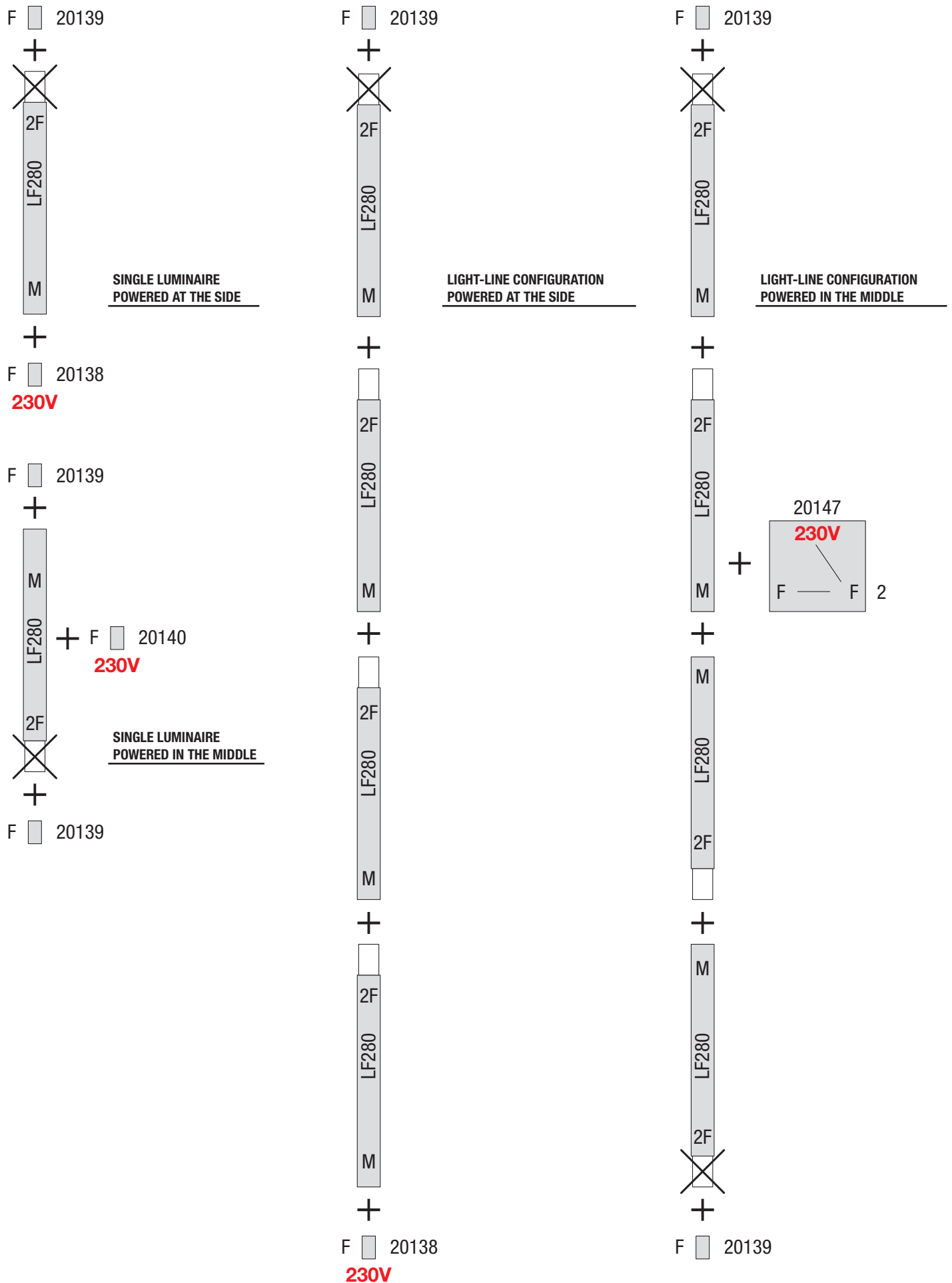
20146 LENS FILA CABLE 5P MALE-FEMALE

LF CABLE 5P FEMALE-2X FEMALE

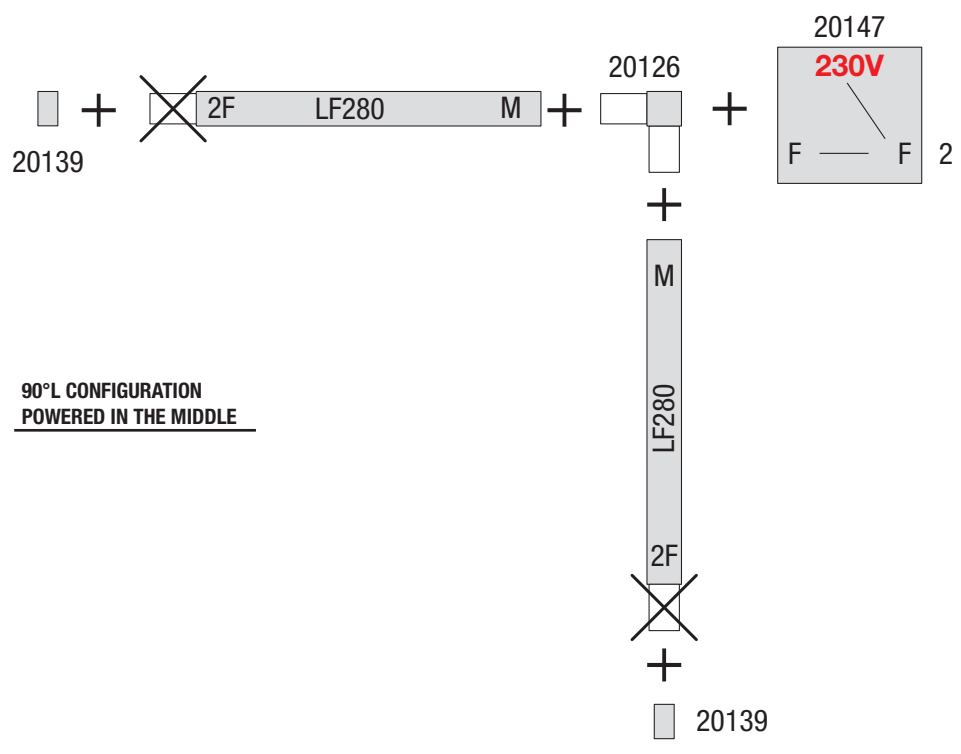
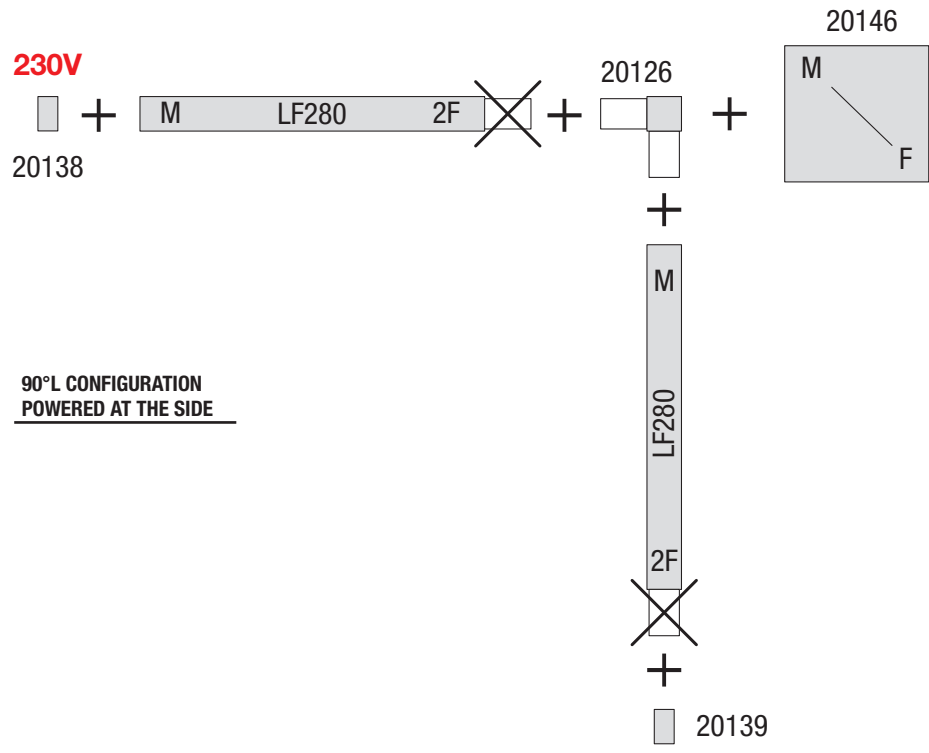


20147 LF CABLE 5P FEMALE-2X FEMALE

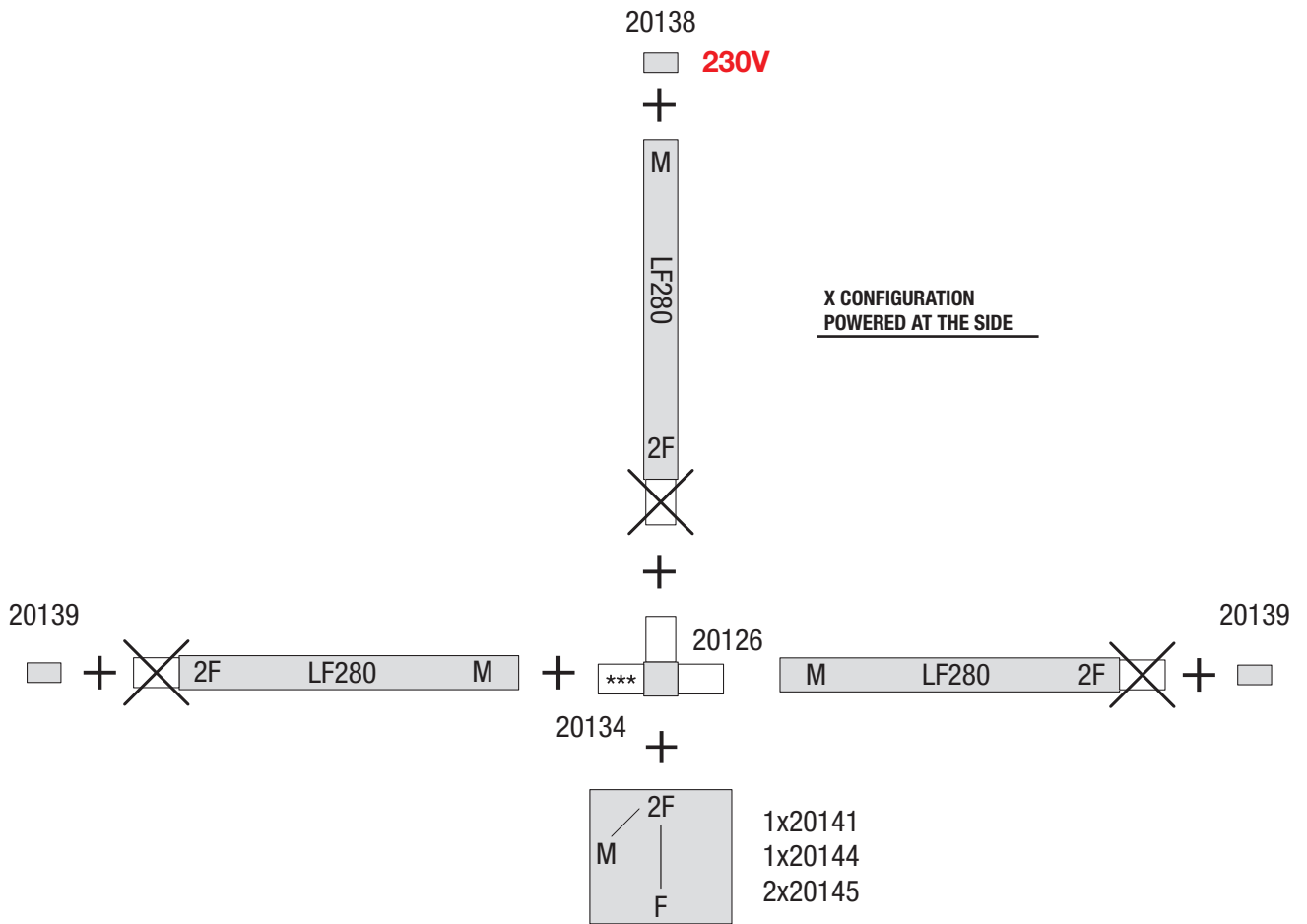
Different components to form light-lines and structures



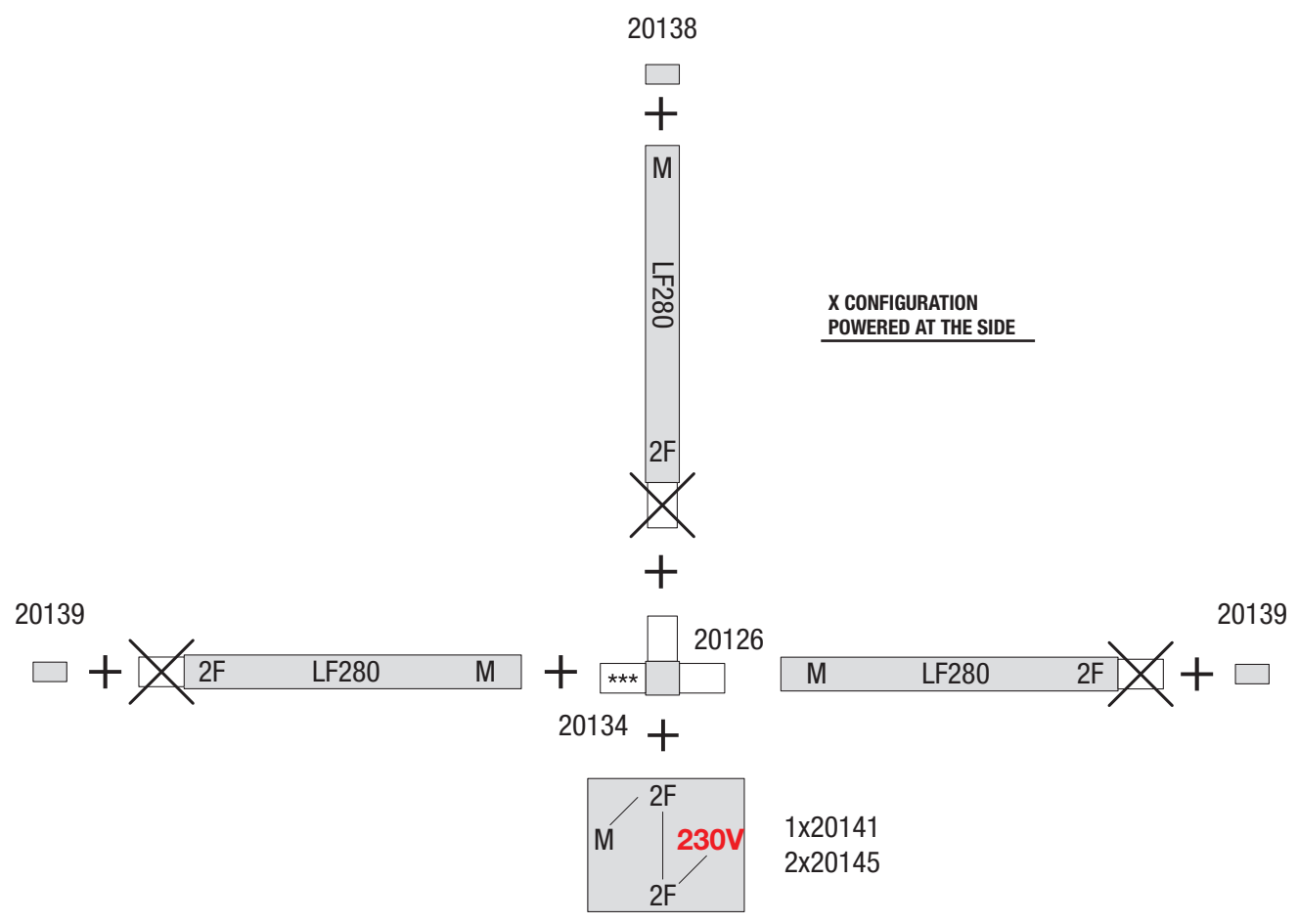
| LEGENDA | |
|-----------|-------------------------|
| F | FEMALE CONNECTOR |
| 2F | DOUBLE FEMALE CONNECTOR |
| M | MALE CONNECTOR |



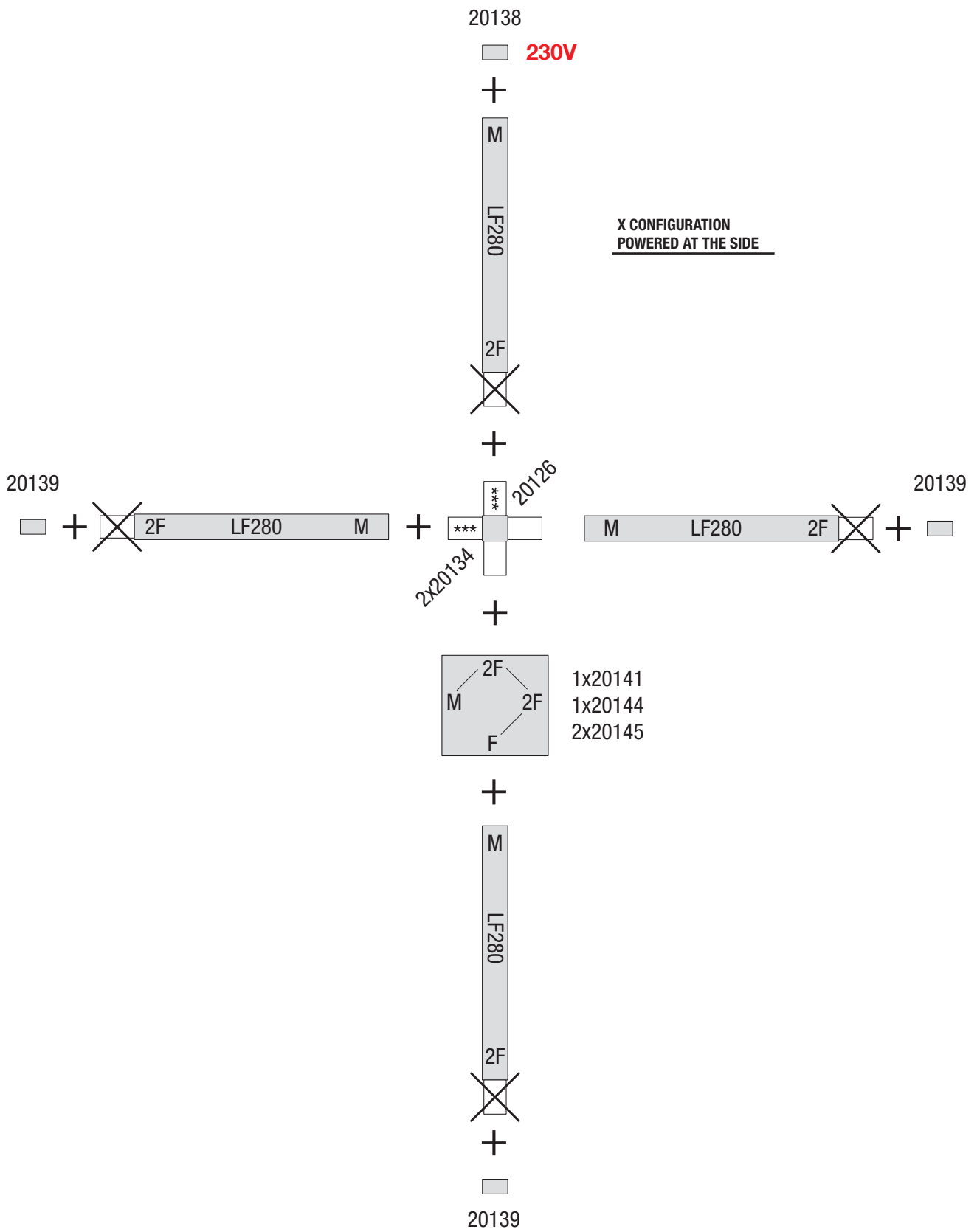
Different components to form light-lines and structures



| LEGENDA | |
|-----------|-------------------------|
| F | FEMALE CONNECTOR |
| 2F | DOUBLE FEMALE CONNECTOR |
| M | MALE CONNECTOR |



Different components to form light-lines and structures



| LEGENDA | |
|-----------|-------------------------|
| F | FEMALE CONNECTOR |
| 2F | DOUBLE FEMALE CONNECTOR |
| M | MALE CONNECTOR |

