

Light is OSRAM

**OSRAM**  
Provided by **liniLED®**

## PCB Connect

### TECHNICAL DATASHEET

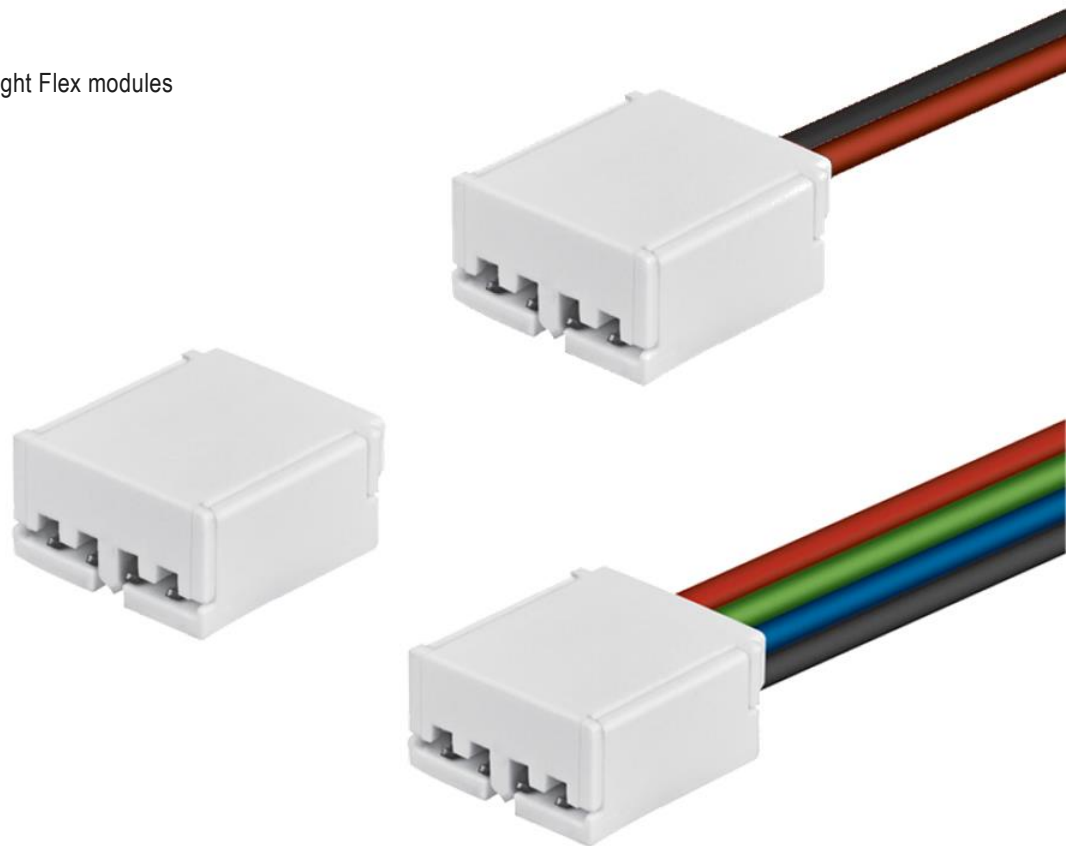
Enjoy full flexibility in lighting design. Connect easily modules without any need of tools. The SLIMCONNECT SYSTEM is made for minimalistic integration into aluminum profiles and luminaires. Yet offering a strong retention force to the module and extra mounting support through the additional adhesive back on the connectors' backside.

### Key Features & Benefits

- Assembly without tools
- Robust connection
- Fits into SLIM TRACK
- 3M Adhesive tape on the back to support mounting
- Keep LED pitch at board to board connection
- Extension wires for connection across corners

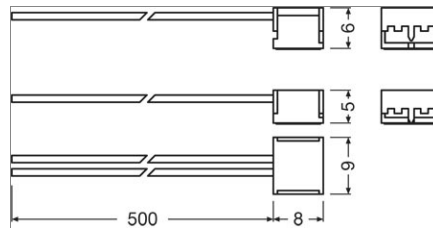
### Possible Applications

- All applications applying to LINEARlight Flex modules



## Power feed for single channel / color

Power feeders to connect modules with single white and single monochromatic light



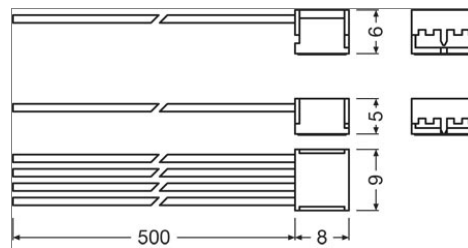
<b>Description</b>	2pin power feeding connector with 50cm cable
<b>Product</b>	11808
<b>Cable length</b>	500 mm
<b>Rated insulation voltage</b>	< 25 V
<b>Rated current</b>	5 A
<b>Connector closing force</b>	<55 N
<b>PCB retention force</b>	≥ 15 N
<b>Contact resistance</b>	≤ 30 mΩ
<b>Conductor cross section AWG</b>	22
<b>Ambient temperature (storage/transport)</b>	-40 – +85 °C
<b>Ambient temperature (operation) LLT - ULT</b>	-30 - +70 °C
<b>Connector part: Inflammability class acc. UL94</b>	V0
<b>Connector part: Insulating material</b>	PBT GF

### Ordering details

<b>EAN per single piece</b>	08717693030109
<b>Quantity</b>	1

## Power feed for 3 channels / colors

Power feeders to connect RGB modules



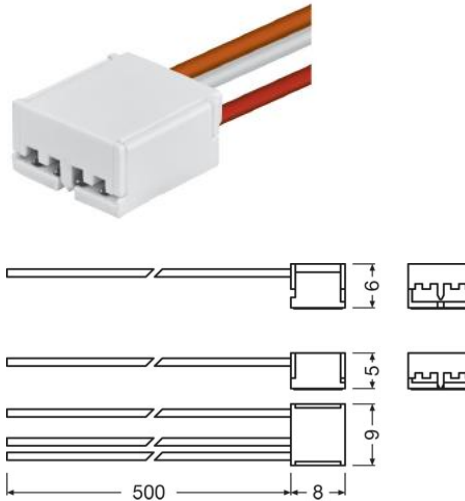
<b>Description</b>	4pin power feeding connector with 50cm cable
<b>Product</b>	11752
<b>Cable length</b>	500 mm
<b>Rated insulation voltage</b>	< 25 V
<b>Rated current</b>	5 A
<b>Connector closing force</b>	<60 N
<b>PCB retention force</b>	≥ 15 N
<b>Contact resistance</b>	≤ 30 mΩ
<b>Conductor cross section AWG</b>	22
<b>Ambient temperature (storage/transport)</b>	-40 – +85 °C
<b>Ambient temperature (operation) LLT - ULT</b>	-30 - +70 °C
<b>Connector part: Inflammability class acc. UL94</b>	V0
<b>Connector part: Insulating material</b>	PBT GF

### Ordering details

<b>EAN per single piece</b>	08717693019265
<b>Quantity</b>	1

## Power feed for 2 channels / colors

Power feeders to connect modules with tunable white modules



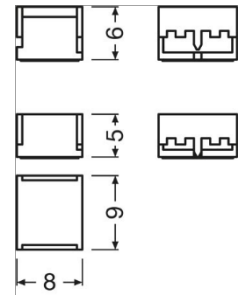
<b>Description</b>	3pin power feeding connector with 50cm cable
<b>Product</b>	11798
<b>Cable length</b>	500 mm
<b>Rated insulation voltage</b>	< 25 V
<b>Rated current</b>	5 A
<b>Connector closing force</b>	<55 N
<b>PCB retention force</b>	≥ 15 N
<b>Contact resistance</b>	≤ 30 mΩ
<b>Conductor cross section AWG</b>	20
<b>Ambient temperature (storage/transport)</b>	-40 – +85 °C
<b>Ambient temperature (operation) LLT - ULT</b>	-30 - +70 °C
<b>Connector part: Inflammability class acc. UL94</b>	V0
<b>Connector part: Insulating material</b>	PBT GF

### Ordering details

<b>EAN per single piece</b>	08717693029080
<b>Quantity</b>	1

## Jumper for 1-3 channels / colors

Interconnect two modules



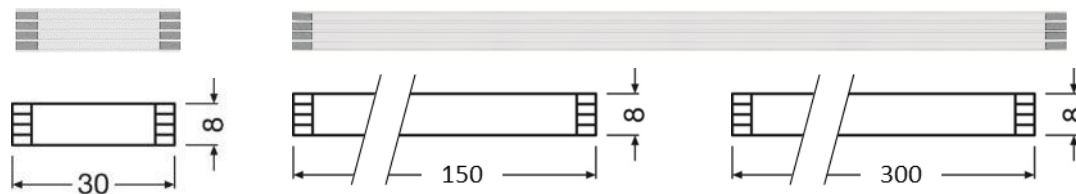
<b>Description</b>	Board to board connector between modules for modules with 1, 2 or 3 channels
<b>Product</b>	11896
<b>Cable length</b>	no cable
<b>Rated insulation voltage</b>	< 25 V
<b>Rated current</b>	5 A
<b>Connector closing force</b>	90 N
<b>PCB retention force</b>	≥ 15 N
<b>Contact resistance</b>	≤ 30 mΩ
<b>Ambient temperature (storage/transport)</b>	-40 – +85 °C
<b>Ambient temperature (operation) LLT - ULT</b>	-30 - +70 °C
<b>Connector part: Inflammability class acc. UL94</b>	V0
<b>Connector part: Insulating material</b>	PBT GF

### Ordering details

<b>EAN per single piece</b>	08717693030123
<b>Quantity</b>	1

## Extension Wires

Extension wires allow you installations around corners.  
Use them between two board-to-board connectors (Jumper)

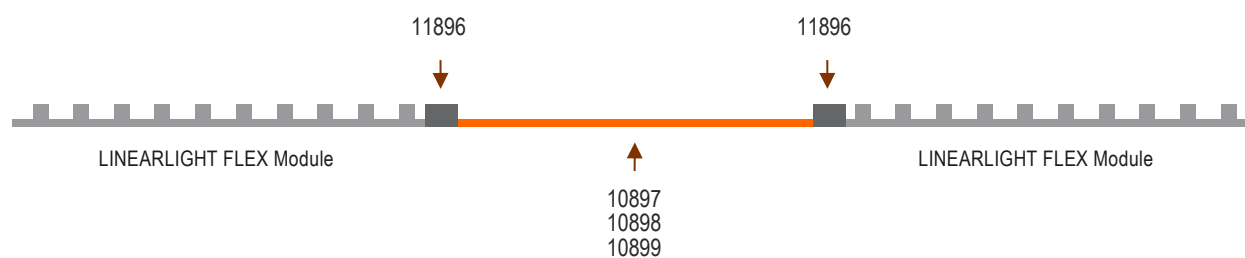


Product	10897	10898	10899
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### Ordering Details

EAN per single piece	08717693030130	08717693030147	08717693030154
Quantity	1	1	1

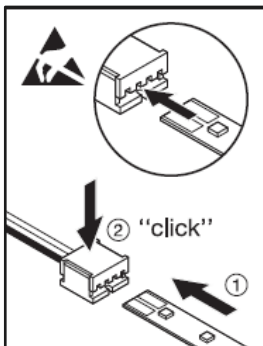
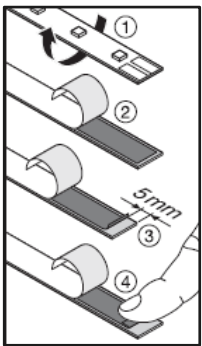
### How to apply the extension wires



## Safety Information

- All components of the SLIMCONNECTsystem FLEX must be assembled to avoid any stress on the wires and/or board connectors. The installer must ensure that there is adequate strain relief between the board connection and the wiring.
- Installation of LED modules (with power supplies) needs to be made with regard to all applicable electrical and safety standards. Only qualified personnel should be allowed to perform installations.
- The connector has no inverse polarity protection. There will be no electrical function if connector is not well positioned or if polarity is inverse. Several modules can be damaged (see the respective module data sheet).
- The maximum operation current may not be exceeded.
- The SLIMCONNECTsystem FLEX is designed for indoor applications only. Any unprotected outdoor use is not allowed.
- A suitable enclosure IP67 is required if the system is to be exposed to humidity and /or dust. Condensation water in the IP67 enclosure is not allowed.

## Assembly Information



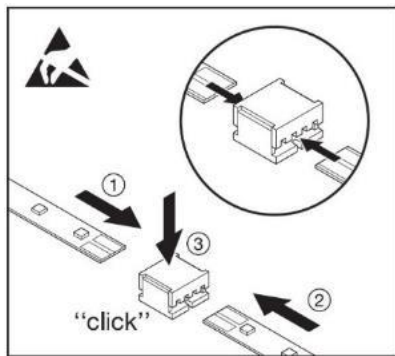
- For electrical connection of the LINEARlight FLEX, both, module and connector must be positioned with the correct side up as shown in the graphic
- For correct assembly, follow user instruction included in the packaging of each module.
- Pay attention to the correct polarity between feeder and module:

- **11808**  
Black wire = “-” pole / red wire = “+” pole

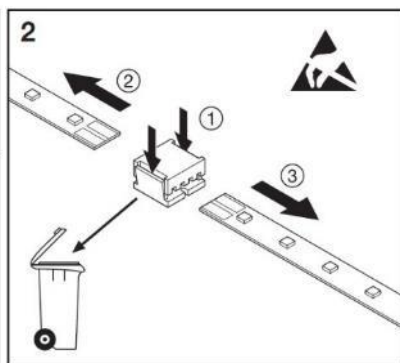
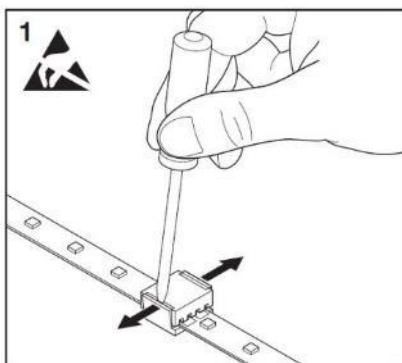
- **11798**  
Red wire = “+” pole / White Wire = “channel-1”-pad / Orange Wire = “channel-2”-pad

- **11752**  
Black wire = “+” pole / Blue Wire = “B”-pad / Green Wire = “G”-pad / Red Wire = “R”-pad

- **11896**  
Particular attention is required when using the connector for board to board connection: The ‘+’ pole of the first module has to be connected to the ‘+’ pole of the second module. In case of wrong polarity no light will be emitted and the modules can be damaged



- Then slide the module into the connector and press on the connector to fix the connection. Make sure to work on a flat and robust surface.



- In order to maintain adequate electrical contact, the connectors are designed for single use. However, to reuse the connected PCB, a removal is possible but will result in the destruction of the connector.