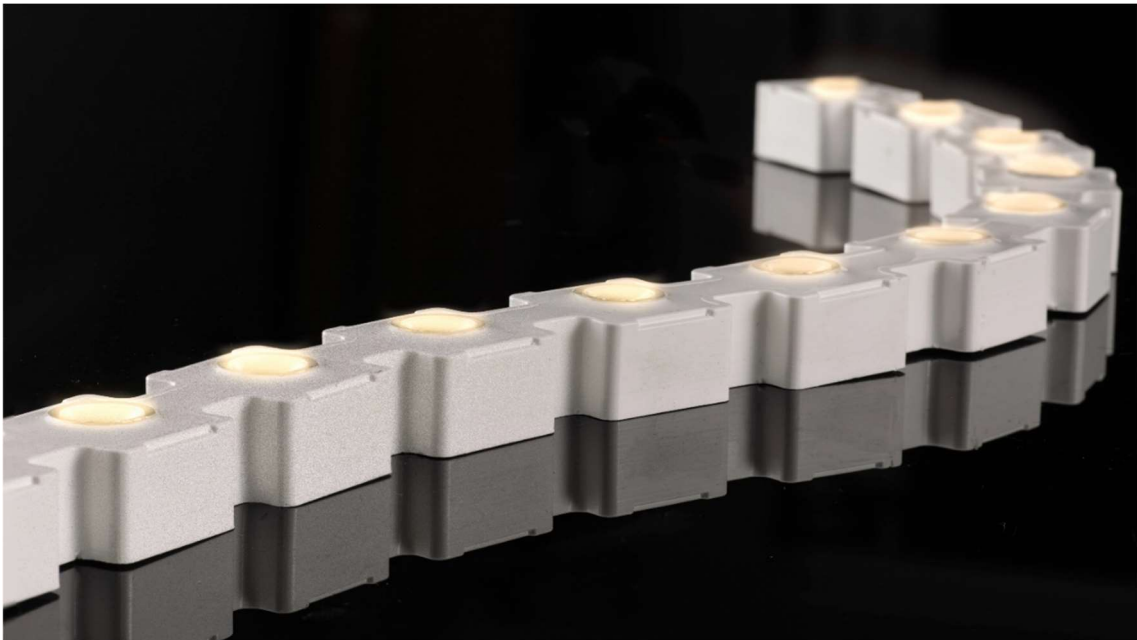


INSTALLATION GUIDE FOR **FLEXI-LIGHT**

VEX-FLEXI-LIGHT



Please ensure you have read the following instructions thoroughly and can undertake the required actions before commencing installation.

If you have any queries, please consult our Technical Support Department before proceeding.

Contents

Scope	2
Revision History	2
Safety Precautions	3
Tools Required	4
Conditions of Install	4
Installation Instructions	5
Wiring Instructions	7
Extending Vexica Standard Input Cables	7

Scope

This manual details the installation of a typical 24VDC VEX-Flexi-Light luminaire.

Please ensure you have read the following instructions thoroughly and are capable of undertaking the required actions before commencing installation.

If you have any queries, please consult our Technical Support Department before proceeding.

Revision History

	Date	Comment	Author
A	23/05/2018	Document created	KL
B	17/12/2018	Images updated for new design	MB
C	01/07/2019	Updated Max. daisy chain length to 4.8m	ST

Approved By

Person	Date	Signature
Technical Manager	01/07/2018	AS

Safety Precautions

ONLY USE VEXICA APPROVED DRIVER

- Please take note of luminaire and driver ingress protection rating when deciding location.
- Make sure all connections made are tight, with no loose strands and with appropriate IP rated connectors.
- Do not reverse polarity.
- Always allow sufficient slack on the supply cable in order to remove luminaire from its position for any further maintenance.
- Make sure supply cable is not in contact with any sharp objects.
- Do not leave cable or any connector exposed to rain/moisture for any period of time.

CAUTION!

- USE ONLY WITH MAXIMUM OUTPUT 24 VDC VOLTAGE AND CLASS 2 POWER UNIT
- All images are representative, and may not be of the actual product supplied, depending on the options specified when ordering.
- Avoid staring directly into light beam.
- The product should be installed by a certified electrician and in accordance with local regulations.
- Take extreme care when working with mains voltages.
- There are no user serviceable parts inside this unit. Do not attempt any repairs yourself; doing so will void your manufacturer's warranty.
- During operation, the housing may become hot. Avoid touching the unit with bare hands while in use.
- Do not allow the product to operate in ambient temperatures above the maximum ambient temperature stated on the datasheet. Doing so will void any warranty.
- Do not use aggressive cleaning agents! Any chemical attack to the seals will not be covered by any warranty.
- DO NOT "HOT PLUG" THE LED FITTINGS OR DRIVERS AS THIS WILL INVALIDATE THE WARRANTY!

Conditions of Install

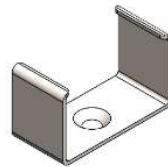
- Only Vexica approved dimmers can be used.
- Starter cables can be extended by the client to maximum of **10m**, using 1.5mm² 3-core cable
- Flexi-light can be installed in a single line of up to 2089mm only as a single unit or as a daisy chain, but the ultimate length of the chain must not exceed 4,800mm
- Flexi-light units must be heated up to room temperature before being installed
- Due to best install practices it is therefore best to install products at a temperature range between +18°C and +40°C
- Installation surfaces must be free of dust, grease, oil and other separating agents
- The installation surface must be dry and clean
- Whilst adhering a pressure of 10-15 N/Cm² only is to be applied
- If the bending radius applied is too small electrical circuit damage can occur. This is due to inadequate handling and not following the minimum bend radius requirements
- The minimum bend radius for all Flexi-light products is 150mm and should not be exceeded
- Mounting clips is the preferred method of installation however 3M Adhesive tapes can be used for installation in some cases. 3M tapes are provided separately in this case and applied by the installer
- The 3M self-adhesive tapes are not suitable for overhead installation. 3M tapes provide adhesion only when following full guidelines on fixation. However due to ambient conditions adhesion may wear off with time and become unfixed. It is therefore advised in most cases to utilise the fixing clip accessory

Installation Instructions

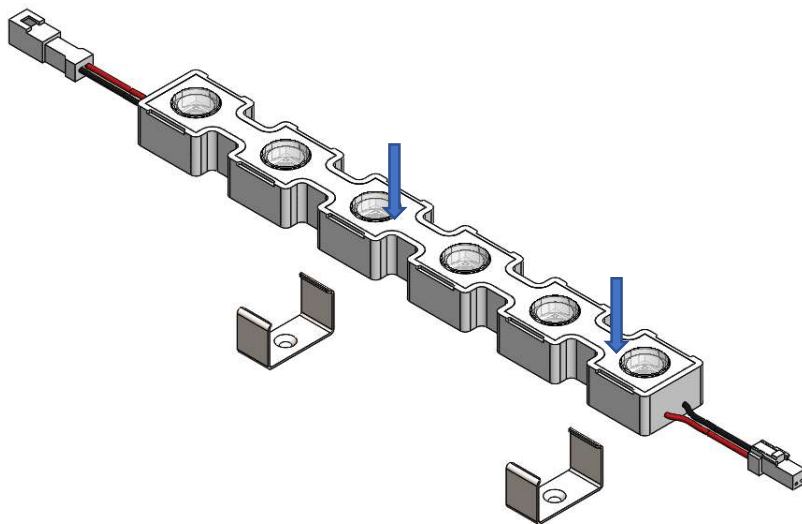
Fix mounting clips to the required surface using appropriate screws (Vexica do not provide these as the type and size depends on the surface luminaire is mounted to)

Attention!

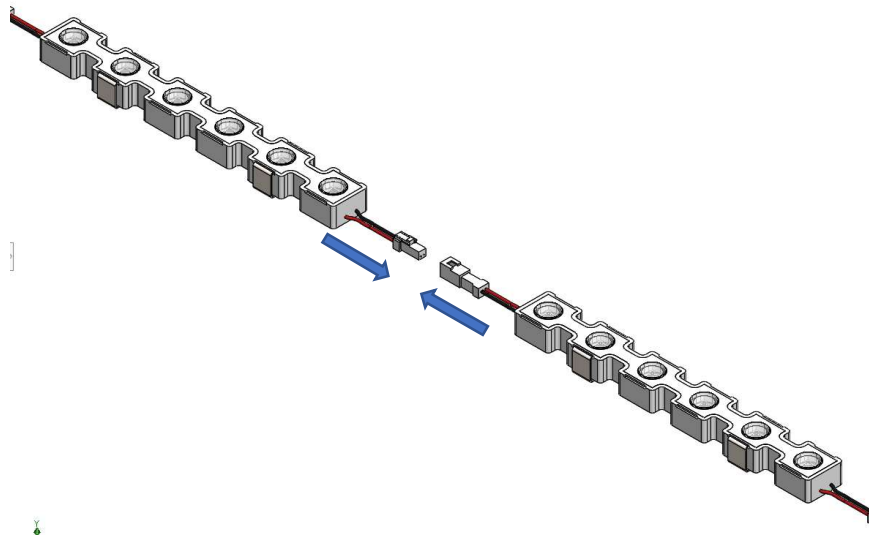
Always use at least two clips per 6 LEDs. Clips must be installed before inserting luminaire.



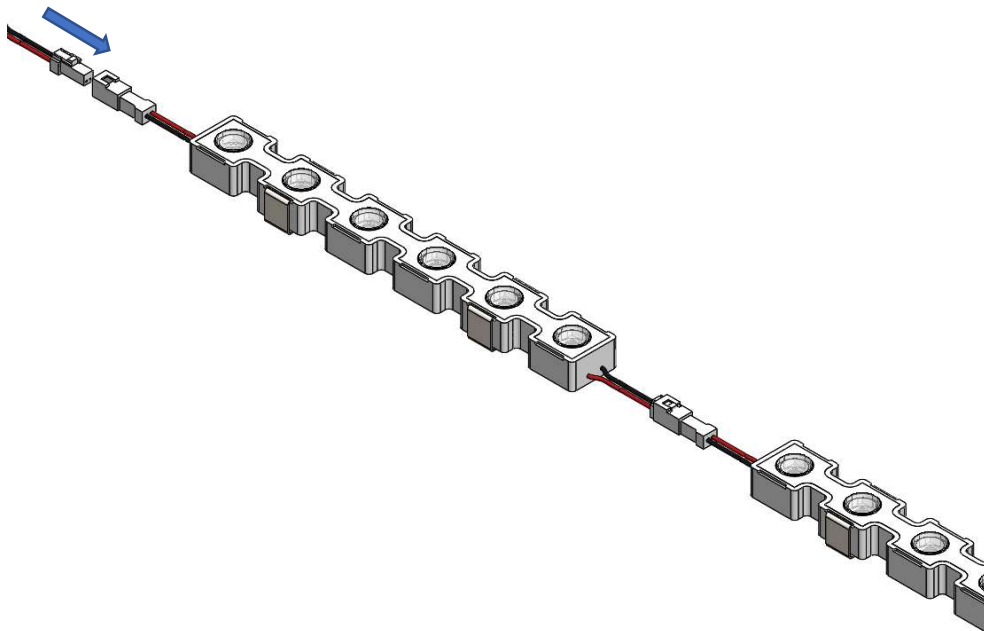
Push luminaire into the mounting clips, avoiding putting pressure on the optics.



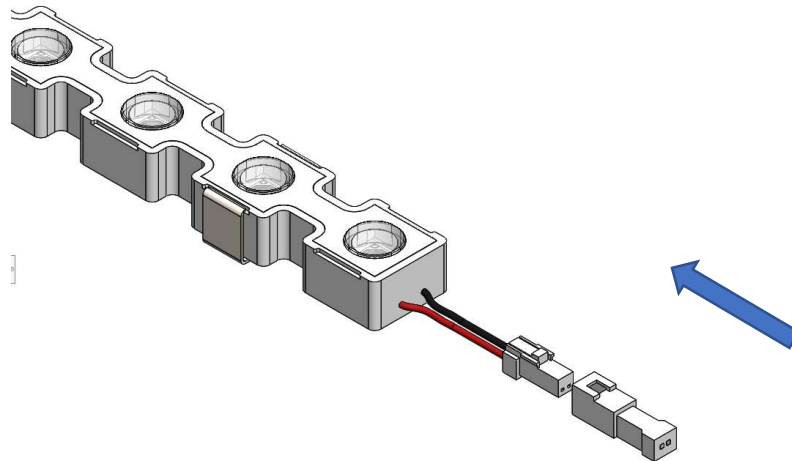
Connect luminaires together. Do not exceed maximum number of luminaires allowed in a single chain (Max fitting chain length 4.8m).



Connect starter cable into the input of the first luminaire in a 'string'.



Connect terminator plug to the output of the last luminaire.



Securely mount LED/PSU driver and connect starter cable following colour coding:

BLACK	-24 VDC
RED	+24 VDC

Luminaire power (W/m)	Maximum meters allowed per run
15	4.8

Extending Vexica Standard Input Cables

1. Extension cables can be purchased from Vexica. Product length needs to be specified and approved at the time of ordering.
2. When extending cables, or making any connections on site, always make sure the connection has the appropriate IP rating.
3. If the starter cable is to be extended, then Vexica recommend that all connections are made using gel boxes.

