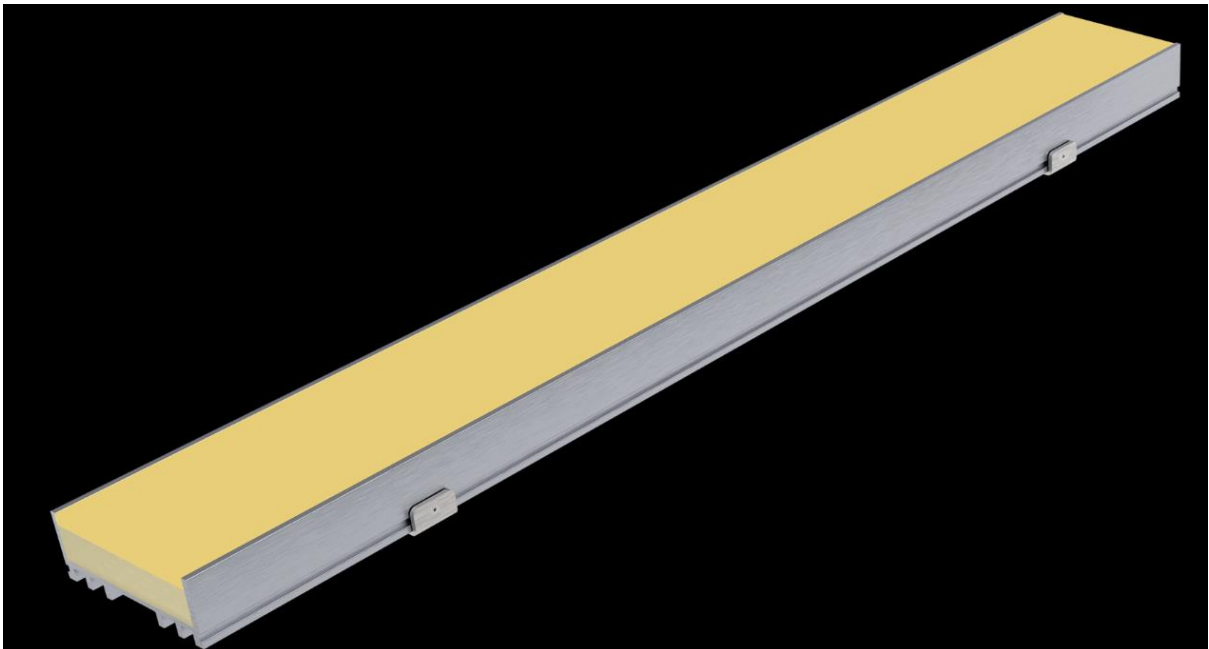




VEX-LUMAERA-77

On-Site Manual



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.

THE VEXICA GROUP LIMITED
TYPHOON HOUSE, MOXON WAY, SHERBURN-IN-ELMET, LEEDS, LS25 6FB

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Scope

This manual will detail the installation of a VEX-LUMAERA-77.

Revision History

Rev	Date	Comment	Author
A	28/11/19	Document created	JP
B	11/03/20	Added RGBW	JP
C	23/09/2024	Format Updated	MB
D	24/04/2025	Wiring update - SSL 1.2 connector	MA
E	08/10/2025	SSL1.2 RGB BLUE/GREEN CODING SWITCH	LG

Approved By

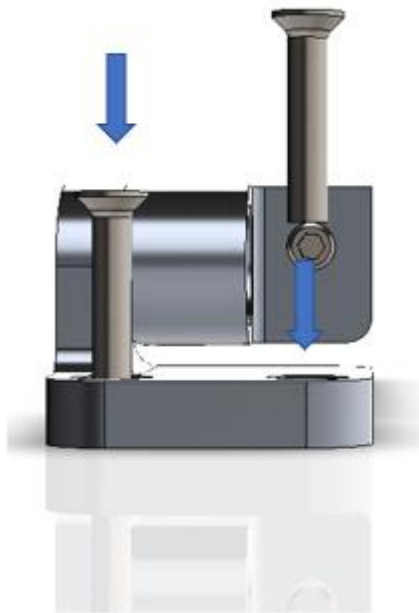
Person	Date	Signature
Technical Manager	08/10/2025	LG

Installation Instructions:

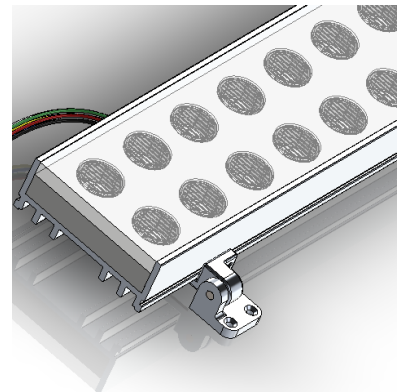
Please read these instructions carefully before installation and make sure you fully understand them. Pay attention to how the luminaire is wired. If you require any further guidance, please contact Vexica.

Adjustable Bracket

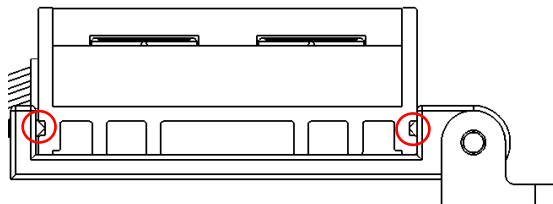
Fix adjustable bracket to the required surface using appropriate screws (Vexica do not provide these as the type and size depends on the surface luminaire is mounted to). Ensure the mounting brackets are installed in line with each other to enable the product to be clipped in quickly, use at least two Brackets with luminaries one meter and under and three brackets if the luminaire is over one meter.



Loosen the Grub Screws with a 2mm Allen key.



Fit the Unit into the bracket and tighten the Grub Screws to secure the Fitting in place. Ensure that the fitting is pressed firmly into the bracket to ensure that the Grub Screws engage fully.



Fully Tightened Grub Screws

Wiring



WARNING! Risk of electrical shock. Disconnect power before servicing or installation.

If multiple units are to be connected in a “Daisy Chain” the maximin length Daisy Chain should not exceed 5m.

Insert terminator into the last luminaire in the “Daisy Chain” to retain IP rating.

Connect starter cable to the first fitting in the “Daisy Chain” and the LED Driver following the appropriate table below:

SSL 1.2 Single Colour

Driver	Input Cable Colour
GND	Yellow
+24VDC	Brown

SSL 1.2 RGB

Driver	Input Cable Colour
LED Supply + (24VDC)	Brown
Group 1 GND (Red)	Red
Group 2 GND (BLUE)	Yellow
Group 3 GND (GREEN)	Orange

JWPF RGBW

Driver	Input Cable Colour
LED Supply + (24VDC)	Black
Group 1 GND (Red)	Red
Group 2 GND (BLUE)	Blue
Group 3 GND (GREEN)	Green
Group 4 GND (White)	White

SSL 1.2 Tuneable White

Driver	Input Cable Colour
+24VDC	Brown
White (CH1)	Yellow
W/White(CH2)	Orange

SSL 1.2 Dynamic RGB/RGBW

Driver	Input Cable Colour
+24VDC	Brown
DATA IN	Orange
GND	Yellow



WITH ALL RGB/RGBW -DYNAMIC FITTINGS THE STARTER CABLE MUST NOT EXCEED ONE METRE.



Extension cable CSA and length should be calculated to ensure the voltage to the luminaire does not drop below that specified in the datasheet. The installer must use appropriate IP rated connectors for any extensions to retain warranty (refer to page 5 for more information on extending cables).

DO NOT REVERSE POLARITY

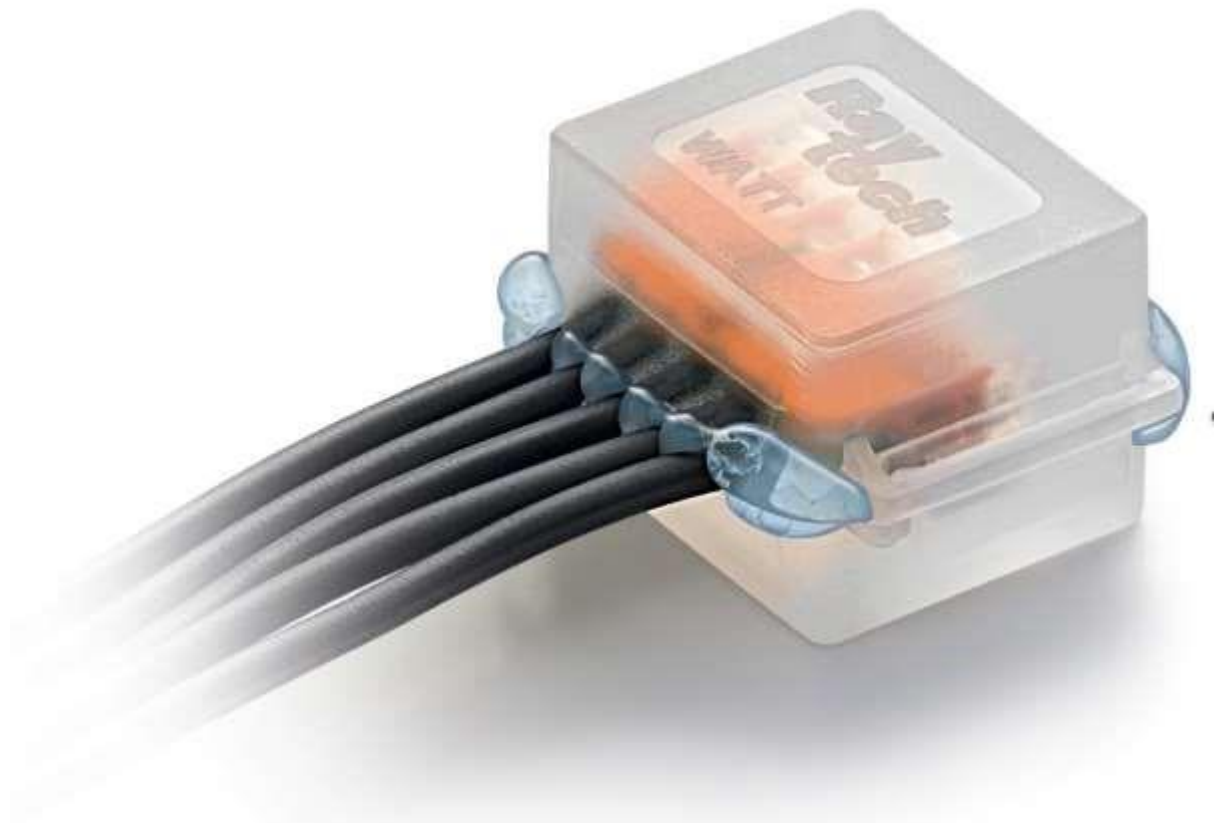
DO NOT EXCEED THE MAXIMUM RUN LENGTH OF FIVE METRES

Extending Vexica Standard Input Cables

When extending cables or making any connections on-site always ensure the connection has an appropriate IP rating.

Vexica recommends the starter cables are linked to extensions cables with gel boxes. When using extending sheathed cables ensure that the outer sheath is encased in the gel box to retain the IP rating.

Do Not extend Dynamic starter cables without using a Vexica approved Transmitter/Receiver module to ensure smooth playback of data.



For more details visit: <http://www.raytech.it/catalogo/en/gel-box-line.pdf>

Cautions:

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 RATING.

DO NOT HOT PLUG OR REVERSE POLARITY.

ALWAYS ALLOW SUFFICIENT SLACK ON THE SUPPLY CABLE 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.

CAUTION!

- *All images are representative and may not be of the actual product supplied depending on options specified when ordering.*
- *Avoid staring directly into the light beam.*
- *A certified electrician should install the product following 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 manufactures 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 stated on the datasheet; doing so will void any warranty.*
- *Do not use aggressive cleaning agents! Any warranty will not cover any chemical damage.*
- **DO NOT "HOT PLUG" THE LED FITTINGS OR DRIVERS AS THIS WILL INVALIDATE THE WARRANTY!**