



COSMO LINEAR SYSTEM



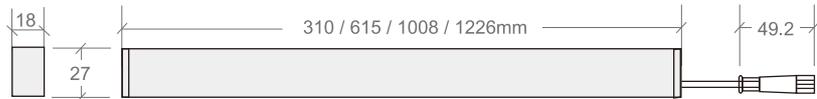
SERIES NUMBER: VL-SLL

LED WATTS	26W/m White
	18W/m Tuneable White
	18W/m RGBW
INPUT VOLTS	24V DC constant voltage
OPERATING TEMP.	-20°C ~ +50°C

MAX. RUN PER POWER FEED	10 metres
INGRESS PROTECTION	IP67
IK RATING	IK10

The Cosmo Linear System comes as separate IP67 modules which can easily be connected via cables underneath for runs up to 10m.

MODULE DIMENSIONS

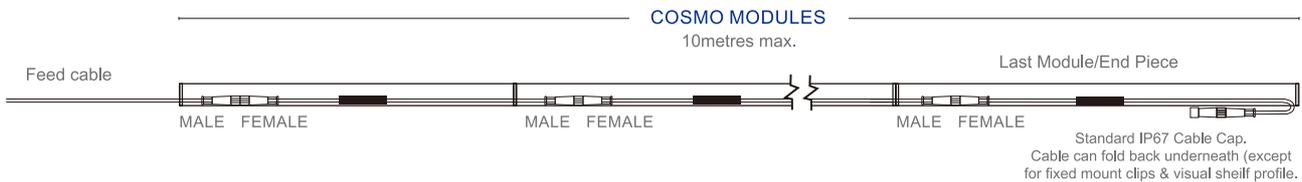


COMBINE LENGTHS FOR CLOSEST TOTAL LENGTH.
PROJECTS SHOULD HAVE PLAN OR TABLE OUTLINED LENGTHS.

CONNECTIONS

MODULES CAN BE USED SINGULAR OR INTER-CONNECTED VIA CONCEALED CABLES.

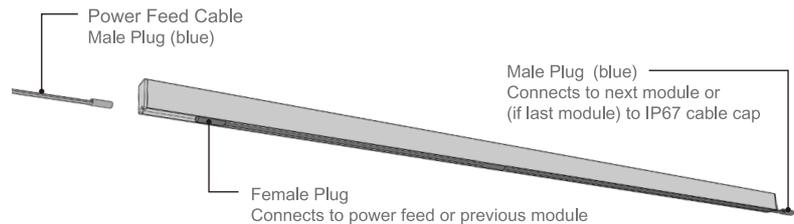
TYPICAL LAYOUT EXAMPLE



Cosmo modules are designed for inter-connection in any order regardless of individual module length via female and male plugs.

Female plug: this connector cable is located underneath the module & can connect to either a power feed or to the previous module.

Male plug (blue): this connector cable extends out, it can connect to either the next module or to an IP67 cable cap if it's going to be the last module in a length.



CABLE ACCESSORIES



1M POWER FEED | BLACK
Connector to bare wires
Longer cables may be available by request but MOQs apply



1M EXTENSION | BLACK (OPTIONAL)
Connector to Connector
Can extend power feed or allow flexibility between modules.



IP67 CABLE CAP | BLACK
End cap for last module.
Standard profile & most clips: End cap & cable can fold underneath fixing for a tidy look.
Fixed mount clips / visual shield profile: The IP67 cable end cap will not fit folded underneath module, so it can either stick out, or the cable will need to be cut off and a silicone end cap (with extra internal silicone) applied to maintain the IP67 protection & warranty.



CABLES CONCEALED UNDERNEATH

COSMO LINEAR SYSTEM

COLOUR CONTROL & WIRING

WHITE

Single channel dimmer (optional)

Cable	Channel
Brown	Positive (+)
Blue	Negative (-)

TUNEABLE WHITE

2-channel controller

Cable	Channel
Brown	Positive (+)
Yellow	2700K (-)
Blue	6500K (-)

RGBW

4-channel controller

Cable	Channel
Black	Positive (+)
Brown	Red
Yellow	Green
Blue	Blue
White	White

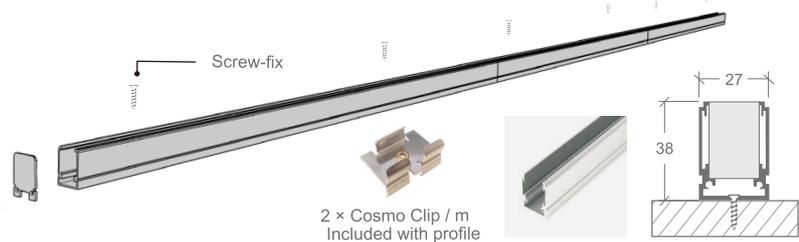
RGBW (PIXEL ADDRESSABLE) DMX512 controller

Cable	Channel
Brown	Positive (+)
Black	PI
Yellow	B (DMX -)
White	A (DMX +)
Blue	Negative (-)

COSMO INSTALLATION (INTO STANDARD PROFILE)

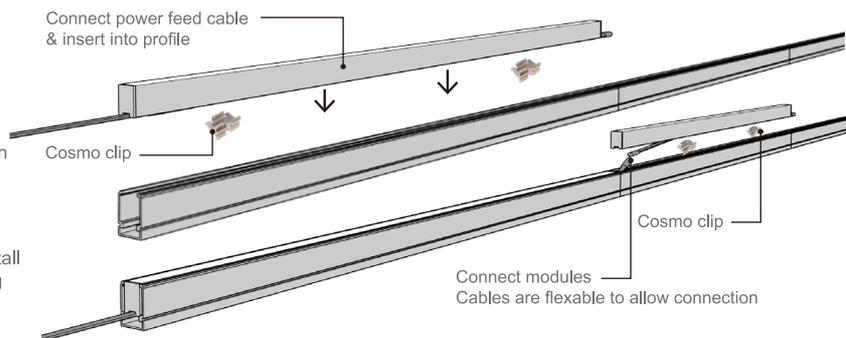
Mounting Profile

1. Screw-fix Cosmo Aluminium profile 1m. Pieces may require on-site cutting to make up lengths.
2. Profile end caps are included for each 1m piece, however they are only needed at the ends of the total length. These have a cut out for the power feed cable exit, to allow installation after Cosmo modules have been installed.



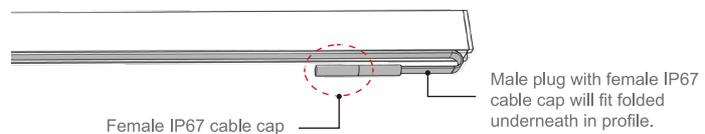
Connecting and installing Cosmo in Profile

3. Modules can be installed into the profile one at the time. Connect the cosmo clips (included with each profile length) to the module.
4. Starting with power feed end, connect power feed cable to the first module then insert into profile.
5. The connecting (male plug) from first module sticks out to allow connector to the female plug of next module then install into profile & continue joining & inserting into profile until the last module. Adding cosmo clips each time.



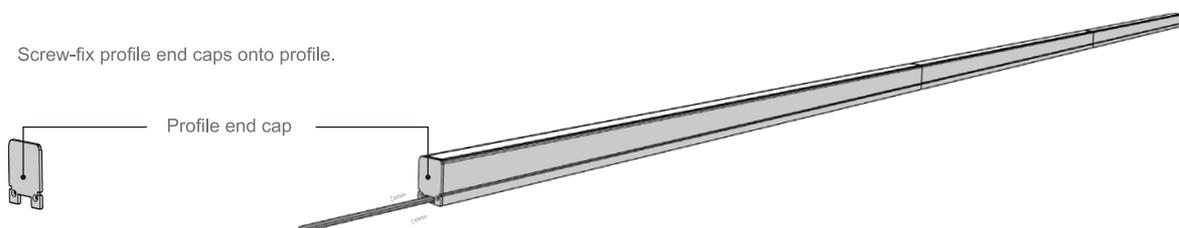
Last Module IP67 End Cap

6. Turn the last module into end piece with the IP67 cable cap (included). This will terminate the connector cable and maintain the IP rating.
7. Fold cable underneath fixing then insert into profile.



Profile End Cap

8. Screw-fix profile end caps onto profile.



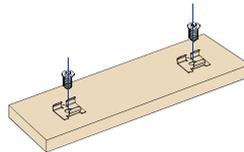
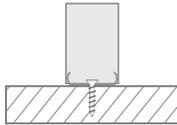
Similar installation for mounting clips and other profile types.

See pages 3-4 for mounting options & basic installation.

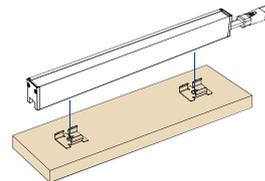
ACCESSORY INSTALLATION

FIXED MOUNTING CLIPS

Designed for horizontal mounting.



1) Screw mount clips. Check clips will tilt in desired direction before installation.



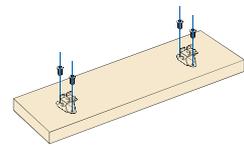
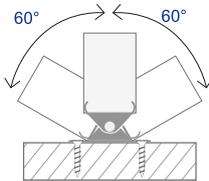
2) Connect full module run before fitting into clips.

If using fixed clips, the IP67 cable end cap will NOT fit folded underneath the module.

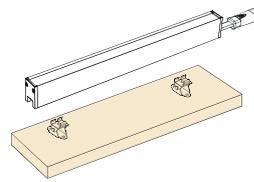
The cable end cap can stay sticking out. Or a slight surface recess may be created to fit end cap underneath. Or the cable can be cut off & a silicone end cap (with extra internal silicone) applied to maintain the IP67 protection & warranty.

60° ADJUSTABLE MOUNTING CLIPS

Designed for horizontal mounting.



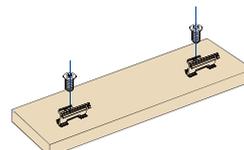
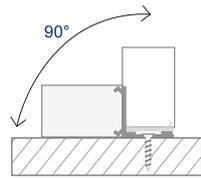
1) Screw mount clips. Check clips will tilt in desired direction before installation.



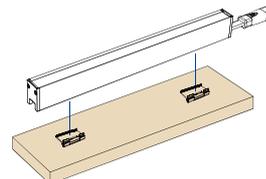
2) Connect full module run before fitting into clips.

90° ADJUSTABLE MOUNTING CLIPS

Designed for horizontal mounting.



1) Screw mount clips. Check clips will tilt in desired direction before installation.



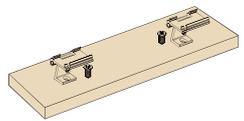
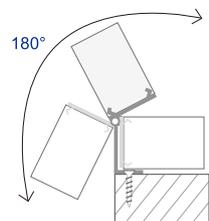
2) Full module runs can be connected either before or after installation into clips.



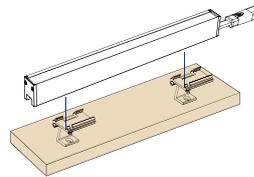
3) Tilt to angle

180° ADJUSTABLE MOUNTING CLIPS

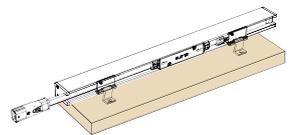
Designed for horizontal mounting.



1) Screw mount clips. Check clips will tilt in desired direction before installation.



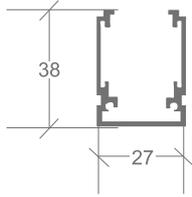
2) Full module runs can be connected either before or after installation into clips.



3) Tilt to angle

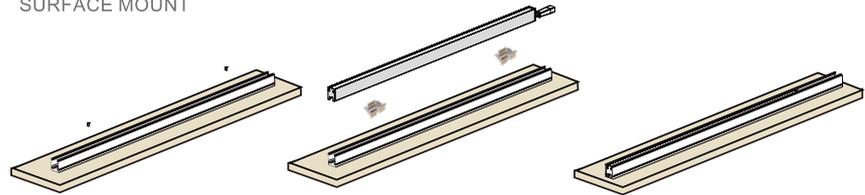
ACCESSORY INSTALLATION

ALUMINIUM PROFILE



Profile comes with 2 x Cosmo clips per metre to secure module in profile

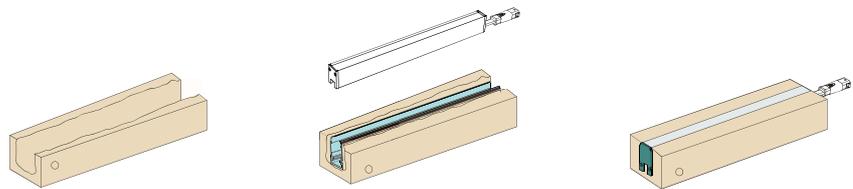
SURFACE MOUNT



- 1) Screw-fix Aluminium Profile
- 2) Profile clips can be fitted into profile or clipped directly to module to grip module.
- 3) Clip module into profile (via clips)

RECESSED INSTALL - INTERIOR APPLICATIONS ONLY

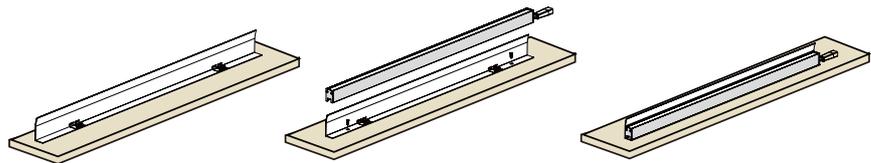
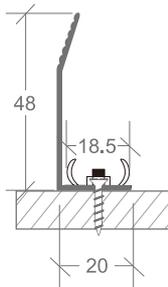
Suitable for recessed, walk over applications in dry, interior installations only.



- 1) Router out rebate groove. Profile 27mm wide
- 2) Screw-fix Aluminium Profile
- 3) Connect full module run before inserting into profile.

ALUMINIUM PROFILE WITH VISUAL SHIELD

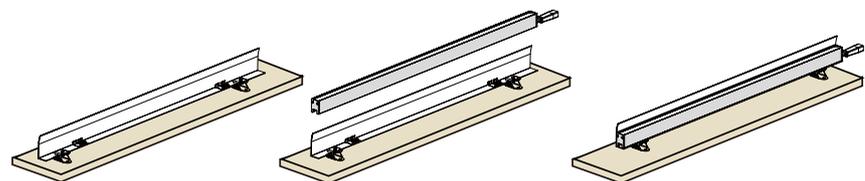
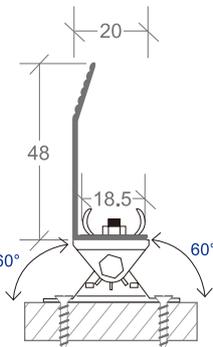
If using visual shield profile, the IP67 cable end cap will NOT fit folded underneath the module. The cable end cap can stay sticking out or the cable can be cut off & a silicone end cap (with extra internal silicone) applied to maintain the IP67 protection & warranty.



- 1) Screw mount profile
- 2) Click Cosmo module into profile clips

120° ADJUSTABLE ALUMINIUM PROFILE WITH VISUAL SHIELD

If using visual shield profile, the IP67 cable end cap will NOT fit folded underneath the module. The cable end cap can stay sticking out or the cable can be cut off & a silicone end cap (with extra internal silicone) applied to maintain the IP67 protection & warranty.



- 1) Screw mount 120° angle brackets
- 2) Click Cosmo module into profile clips
- 3) Angle as desired