

LED Neon Flex



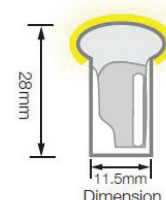
**HALO DOMED-S
NEON FLEX 12W**



Halo Domed-S is a superior quality commercial grade 24V 12W/m CRI >80 or >90 LED silicon covered neon flex that bends in a horizontal direction. An output of 320 lumens per metre to 360 lumens per metre. Available in 2200K to 6500K and solid colours red, green, blue, yellow and pink. Dimmable with the correct control gear options.

Halo Domed-S is suitable for architectural applications for both interior and exterior applications. Refer below for technical information and order codes.

Watts per metre:	12W
IP Rating:	IP68
Operating Temperature:	-40°C to +55°C
Voltage:	24V DC
CCT:	2200K to 6500K, R, G, B, Y, P
Beam Angle:	270°
Dimensions:	11.5mm x 28mm; x (l)1000mm
Cutting Length:	100mm
Maximum Length:	Max. 10m single feed, 20m double feed
CRI:	>80, >90
Bending Radius:	80mm
Life:	70,000 hours



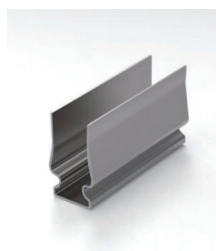
ORDER CODE	DESCRIPTION	IP RATING	CCT	OUTPUT
ICL-HALO-DOMED-S-2.7K	HALO NEON FLEX 12W/M 2700K	IP68	2700K	320 lm/M
ICL-HALO-DOMED-S-3K	HALO NEON FLEX 12W/M 3000K	IP68	3000K	340 lm/M
ICL-HALO-DOMED-S-4K	HALO NEON FLEX 12W/M 4000K	IP68	4000K	340 lm/M
ICL-HALO-DOMED-S-RED	HALO NEON FLEX 12W/M RED	IP68	RED	200 lm/M
ICL-HALO-DOMED-S-GREEN	HALO NEON FLEX 12W/M GREEN	IP68	GREEN	240 lm/M
ICL-HALO-DOMED-S-BLUE	HALO NEON FLEX 12W/M BLUE	IP68	BLUE	25 lm/M
ICL-HALO-DOM-S-CHANNEL-50MM	HALO MINI 50MM LONG ALUMINIUM CHANNEL			
ICL-HALO-DOM-S-CHANNEL-AS-1M	HALO DOMED-S 1000MM LONG ANTI-SLIP ALUMINIUM CHANNEL			
ICL-HALO-DOM-S-FLEX-CHANNEL-1M	HALO DOMED-S 1000MM LONG FLEXI ALUMINIUM CHANNEL			

FLEX CAN BE PRE-CUT TO LENGTH AND TAILS ADDED ON REQUEST.

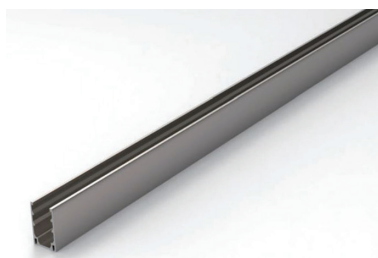
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Mounting Accessories

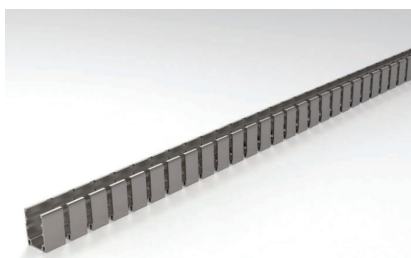
Mounting Clips 50mm



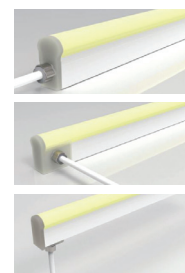
Mounting Channel 1m



Flexi Channel 1m



Connection Options

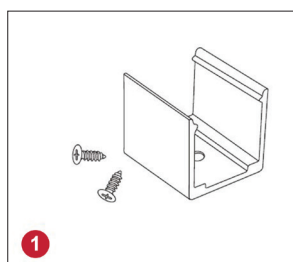


End Entry

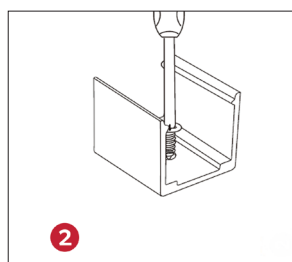
Side Entry

Bottom Entry

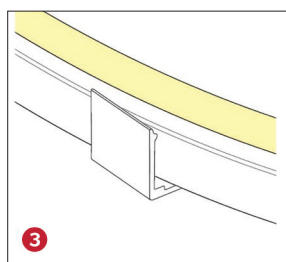
Installation Instructions



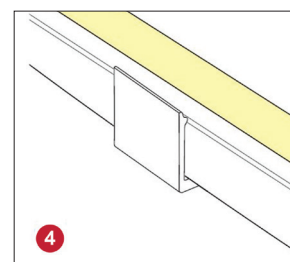
1 Prepare the screws and mounting clips



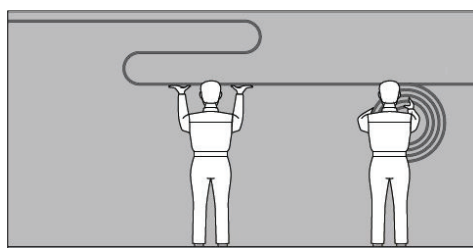
2 Site the clips in place (approx. 5 per metre). Use a screwdriver to fix the screw.



3 Put the light emitting surface upwards, then insert the LED neon flex into the fixed clips.



4 Make sure the LED neon flex is completely seated in the fixed clips. Mount into channel from one direction only.

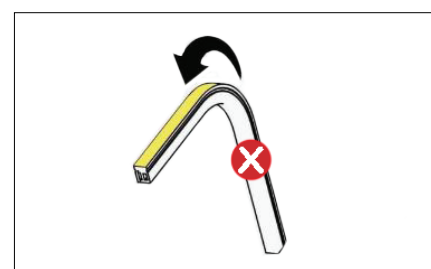
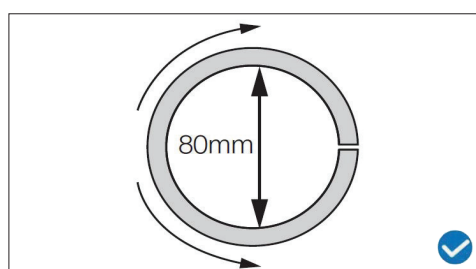
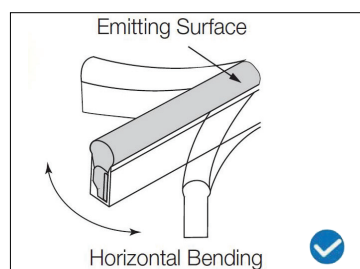


NOTE:

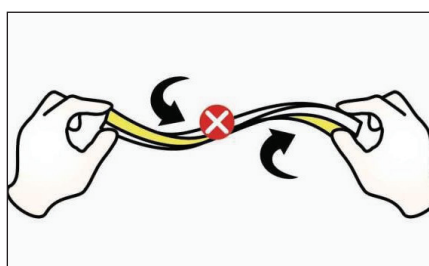
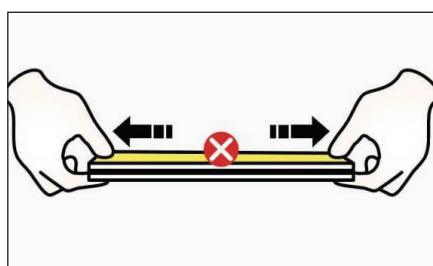
If the neon flex is >2m in length, it is recommended that two people install it together.

Bending

Bendable in horizontal side to side direction, with a minimum bending diameter of 60mm



DO NOT; bend vertically, twist, stretch or compress the neon flex.



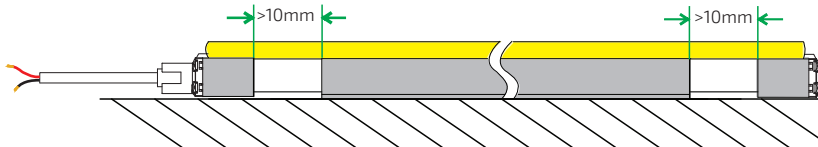
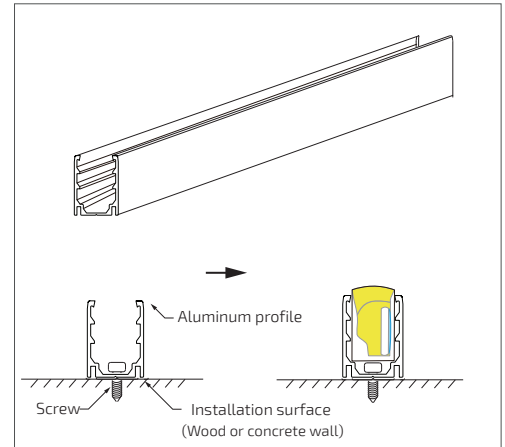
General mounting

LED neon flex can be fastened to surfaces using appropriate accessories available from IC Lighting. Please refer to data sheets or contact technical support for a copy. The use of glues and resins as fixing agents should be avoided and may invalidate the warranty of the product; unless its use is agreed, in writing, by IC Lighting as part of a detailed project specification.

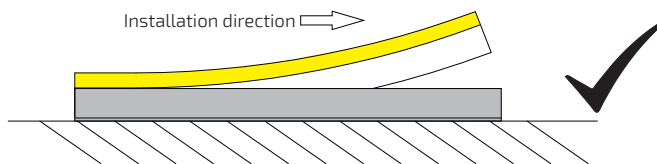
The images below indicate one type of fixing available in the accessories range. The different fixings serve obvious purposes, however when in doubt technical support should be contacted.

Quantities of accessories and fixings are dependent on the type and its effect on the variant it's being used with. Care should be taken to ensure drooping is avoided, and to ensure that is fastened adequately to avoid stresses on itself.

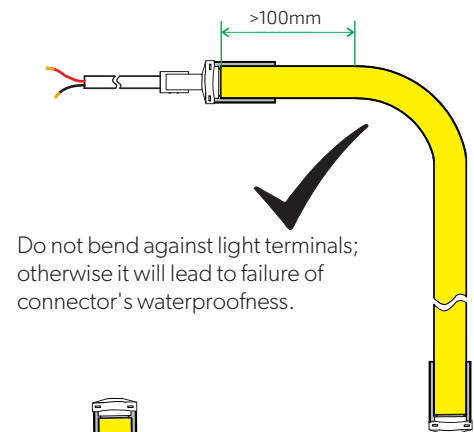
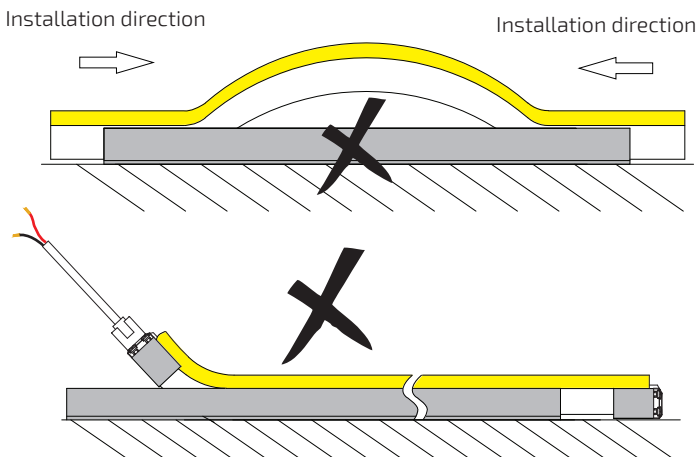
The aluminum mounting piece of IP67 front connector and end cap should keep at least 10mm space apart from aluminum channel when making installation.



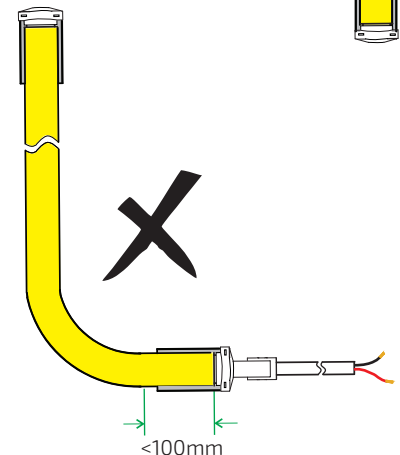
Press the neon flex into the mounted aluminum channel in one direction only.



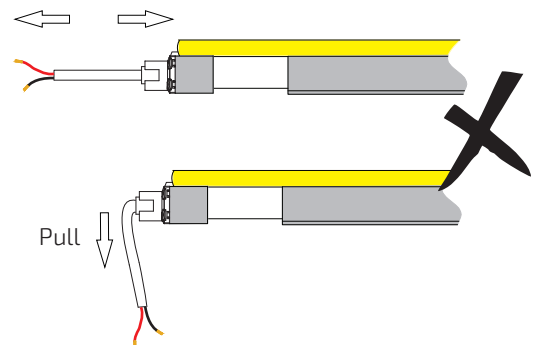
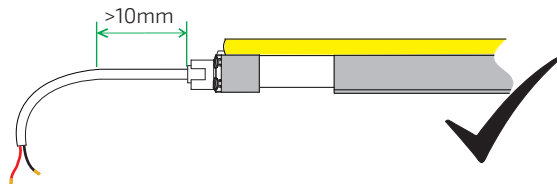
Incorrect installation as per below image, could lead to light failure.



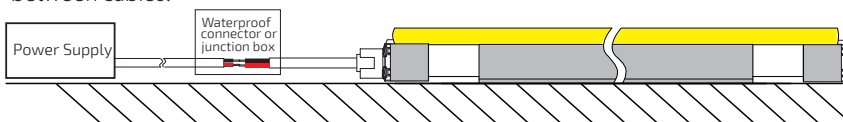
Do not bend against light terminals; otherwise it will lead to failure of connector's waterproofness.



Do not strain the tail and allow 10mm of space to connector boot / end cap



For exterior cable connections use round exterior rated flex or flexible conduit, ensuring an IP rated connection between cables.



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