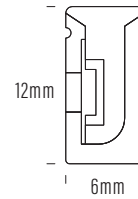
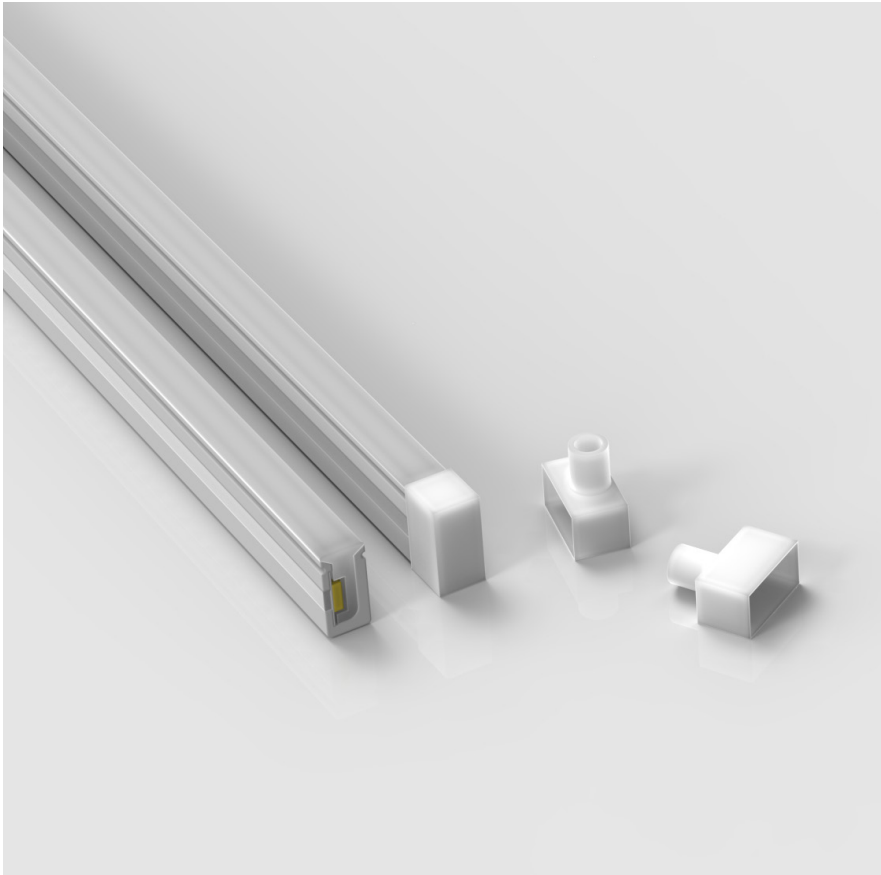


AQS-402-Mono

The new slimline AQS-402 is only 6mm wide and 12mm high, making it the slimmest encapsulated LED Noen Flex strip to date. In a range of colour temperatures from 2700K to 5000K. The AQS-402 is cut and tailed in our Sydney factory for a quick turnaround time.

AQS-402-MONO

Neon Flex



Product	AQS-402-Mono
Voltage	24V DC
Watts (per Meter)	5W / 10W
IP Rating	IP65
Lumen Output (per Meter)	154lm to 380lm
CCT & Colour Options	2700K / 3000K / 4000K / 5000K
Working Mode	Constant Voltage (PWM) / DMX
Max Length (Single Power Feed)	10m / 8m
Max Length (Double Power Feed)	20m / 16m
Cut Interval	50mm
Bend Direction	Horizontally
Minimum Bend Diameter	100mm
LED Type	SMD2835
LED Qty / M	140pcs
Lumen Maintenance	70,000 Hours L70@ 25°C, 50,000 Hours L70@ 50°C
Materials	Silicone
Emission Angle	120°
Operating Temperature	-20° to +40°C
Installation Temperature	5° to +35°C
Warranty	3 Year Aqualux Warranty

Example Product Code Variation						
Produce Code	Size	CCT	Voltage	W / M	Lm/M	
AQS-402-20A10	0612	2000K	24V DC	10W	250lm	
AQS-402-27A05	0612	2700K	24V DC	5W	180lm	
AQS-402-27A10	0612	2700K	24V DC	10W	360lm	
AQS-402-30A05	0612	3000K	24V DC	5W	160lm	
AQS-402-30A10	0612	3000K	24V DC	10W	310lm	
AQS-402-40A10	0612	4000K	24V DC	10W	365lm	
AQS-402-50A10	0612	5000K	24V DC	10W	400lm	

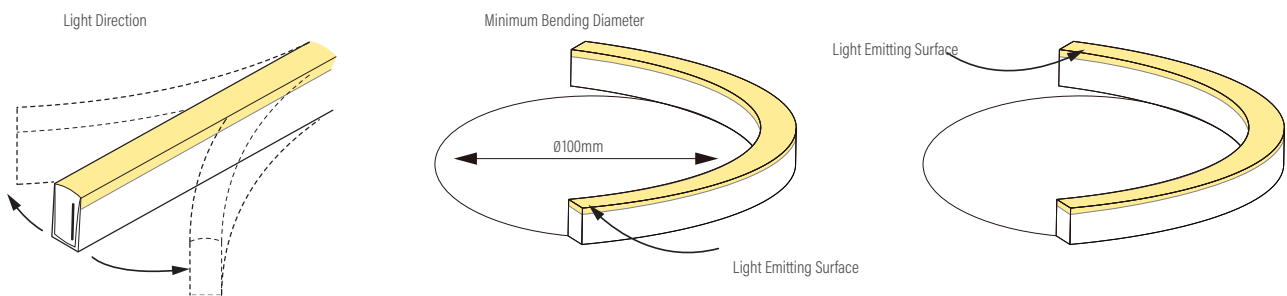
For wiring diagrams please refer to the aqualux website:
www.aqualux.com.au
 / Support / Downloads / Wiring Diagrams

Neon Flex

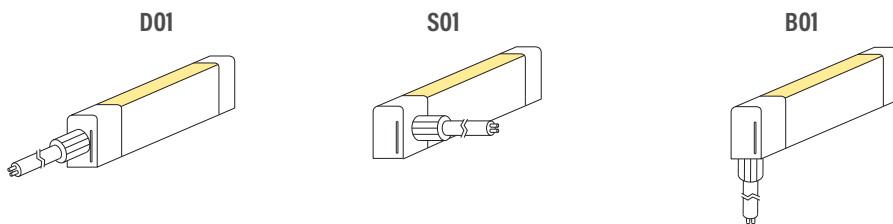
Variations

Product Code	CCT Kelvin	Voltage Direct Current	Watts Meter	Lumens Meter	Max Run Single End	Max Run Double End
AQS-402-20A10	2000K	24V DC	10W	250lm	8m	16m
AQS-402-27A10	2700K	24V DC	10W	360lm	8m	16m
AQS-402-27A05	2700K	24V DC	5W	180lm	10m	20m
AQS-402-30A10	3000K	24V DC	10W	310lm	8m	16m
AQS-402-30A05	3000K	24V DC	5W	160lm	10m	20m
AQS-402-40A10	4000K	24V DC	10W	365lm	8m	16m
AQS-402-50A10	5000K	24V DC	10W	400lm	8m	16m

Bending Directions



Entry Types



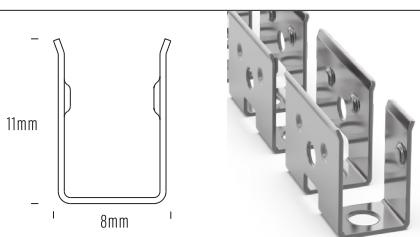
⚠ WARNING

1. Reference to no undue pressure or force being applied to the cable entry section of the neon flex during installation. Excess force here due to attempting to push fit into a cavity could bend the cable and break the water proof seal.
2. We do not recommend forming for a concrete pour using the aluminium or plastic channels directly. Use a similar sized piece of timber and then fit the channel after using a suitable construction adhesive or silicone. Pouring concrete directing around the channel could result in corrosion or dimensional changes that make the strip impossible to fit after.

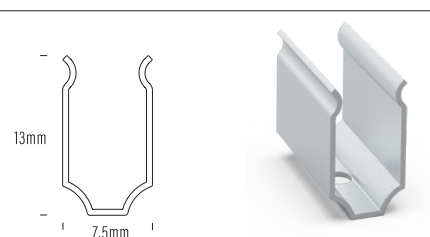
Neon Flex

Mounting

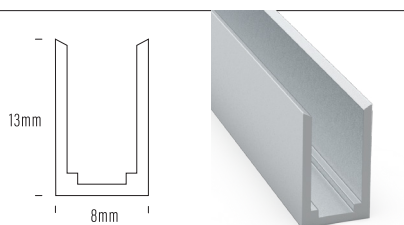
AQS-402-ACC-02
Bendable S Channel



AQS-402-ACC-03
Aluminium Clip

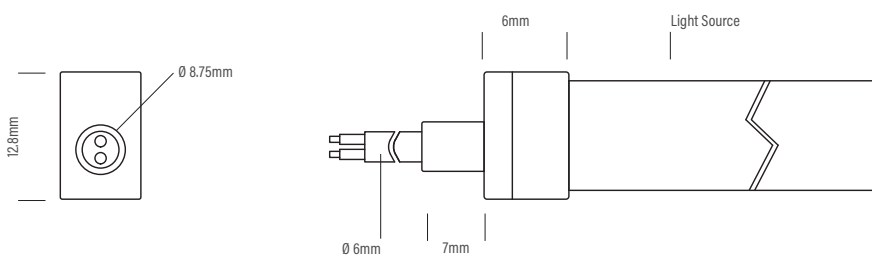


AQS-402-ACC-04
2m Aluminium

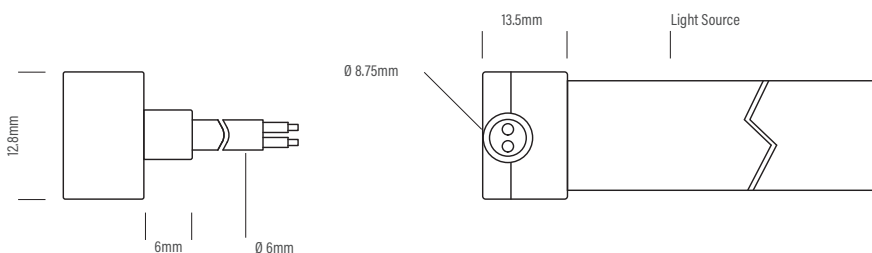


Injection Moulded Connectors Dimensions

Direct Cable Entry



Side Cable Entry



Neon Flex

AQS Family Reference Table

Product	Type	IP Rating	LED Options	Size mm	Power/m	Application
AQS-170	Cob Strip	IP20	Mono	10mm	10W DC	Internal / Profile required
AQS-172	Cob Strip	IP20	Mono	4mm	5W DC	Internal / Profile required
AQS-180	HE Strip	IP20	Mono	10mm	20W DC	Internal / Profile required
AQS-400	Neon Flex	IP65	Mono	10 x 9	5W DC / 10W DC	External / No profile required
AQS-401	Neon Flex	IP65	Mono	10 x 10	10W DC	External / No profile required
AQS-402	Neon Flex	IP65	Mono	6 x 12	10W DC	External / No profile required
AQS-410	Neon Flex	IP65	RGB	13 x 12	10W DC	External / No profile required
AQS-420	Neon Flex	IP65	Mono / RGBW	12 x 20	10W / 15W	External / No profile required
AQS-500	Neon Flex	IP68	Mono / RGB / RGBW / DMX	11.5 x 21	5W / 8W / 12W / 18W	External / Submerged / No profile
AQS-505	Neon Flex	IP68	Mono	13.5 x 13.5	10W	External / Submerged / No profile
AQS-510	Neon Flex	IP68	Mono / RGB / RGBW / DMX	16.5 x 16.5	10W / 13W / 17W / 18W	External / Submerged / No profile

Extension Wire Recommendations

Maximum extension wire length according to light power

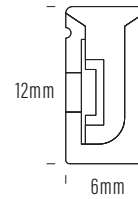
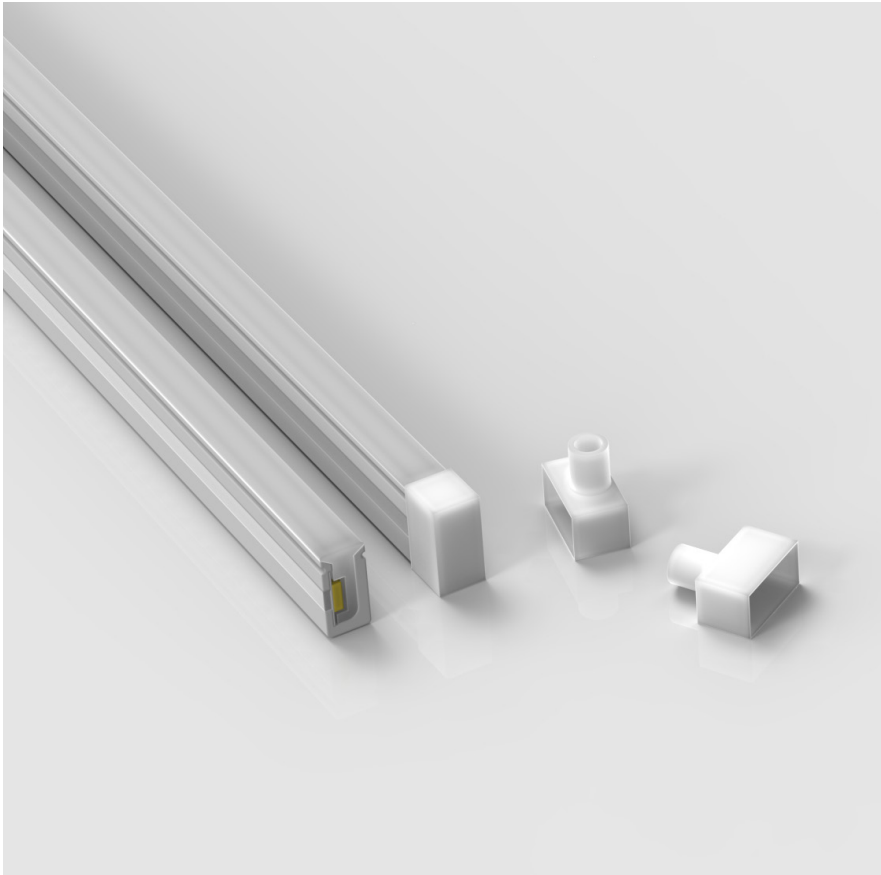
Watts	22AWG 0.34mm ²	20AWG 0.53mm ²	18AWG 0.82mm ²	17AWG 1.04mm ²	16AWG 1.38mm ²	14AWG 2.07mm ²	12AWG 3.29mm ²	10AWG 5.62mm ²
10W	36m	60m	100m	120m	140m	240m	400m	600m
20W	18m	30m	50m	60m	70m	120m	200m	300m
30W	12m	20m	30m	38m	45m	80m	130m	200m
40W	8m	15m	22m	28m	35m	60m	95m	140m
50W	6m	12m	18m	22m	28m	48m	75m	105m
60W	5m	10m	15m	18m	22m	36m	60m	88m
70W	-	8m	12m	14m	18m	30m	50m	72m
80W	-	6m	10m	11m	14m	24m	40m	58m
90W	-	4m	7m	8m	10m	18m	30m	45m
100W	-	-	5m	6m	7m	12m	22m	32m
110W	-	-	3m	4m	5m	8m	15m	22m
120W	-	-	2m	2.5m	3m	0m	8m	12m

AQS-402 / RGB

The new slimline AQS-402 is only 6mm wide and 12mm high, making it the slimmest encapsulated LED Noen Flex strip to-date. The AQS-402 is cut and tailed in our Sydney factory for a quick turn around time.

AQS-402-RGB

Neon Flex



Product	AQS-402-RGB
Voltage 24V DC	24V DC
Watts (per Meter) 10W	10W
IP Rating IP67	IP65
Lumen Output (per Meter) 360lm	126lm
CCT & Colour Options RGB	RGB
Working Mode Constant Voltage (PWM) / DMX	Constant Voltage (PWM) / DMX
Max Length (Single Power Feed) 10m	8m
Max Length (Double Power Feed) 20m	16m
Cut Interval 50mm	50mm
Bend Direction Horizontally	Horizontally
Minimum Bend Diameter 100mm	100mm
LED Type SMD2835	SMD4040
LED Qty / M 120pcs	120pcs
Lumen Maintenance 70,000 Hours L70@ 25°C, 50,000 Hours L70@ 50°C	70,000 Hours L70@ 25°C, 50,000 Hours L70@ 50°C
Materials Silicone	Silicone
Emission Angle 120°	120°
Operating Temperature -20° to +40°C	-20° to +40°C
Installation Temperature 5° to +35°C	5° to +35°C
Warranty 3 Year Aqualux Warranty	3 Year Aqualux Warranty

Example Product Code Variation					
Produce Code	Size	CCT	Voltage	W / M	Lm/M
AQS-402-Z1A10	0612	RGB	24V DC	10W	126lm

For wiring diagrams please refer to the aqualux website:
www.aqualux.com.au
 / Support / Downloads / Wiring Diagrams

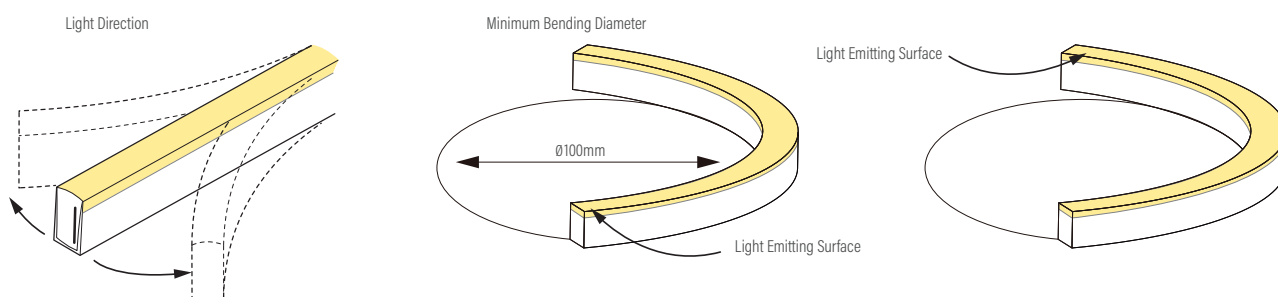
AQS-402-RGB

Neon Flex

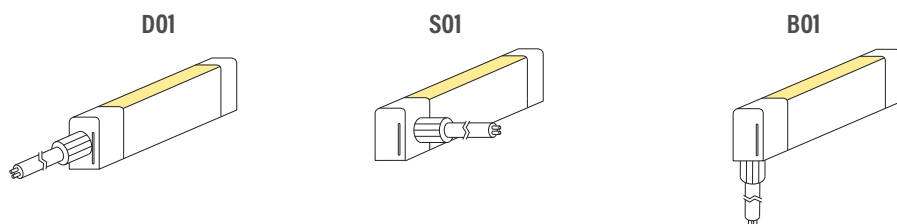
Variations

Product Code	CCT Kelvin	Voltage Direct Current	Watts Meter	Lumens Meter	Max Run Single End	Max Run Double End
AQS-402-Z1A10	RGB	24V DC	10W	126lm	8m	16m

Bending Directions



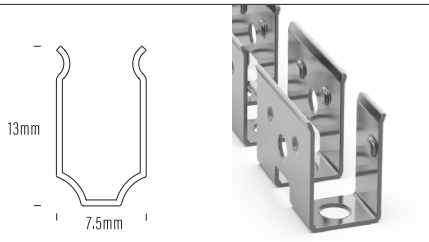
Entry Types



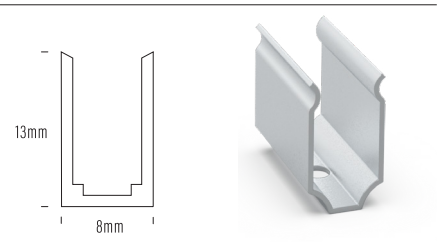
Neon Flex

Mounting

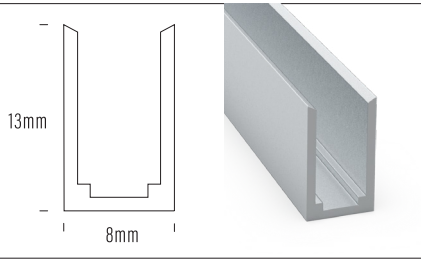
AQS-402-ACC-02
Bendable S Channel



AQS-402-ACC-03
Aluminium Clip

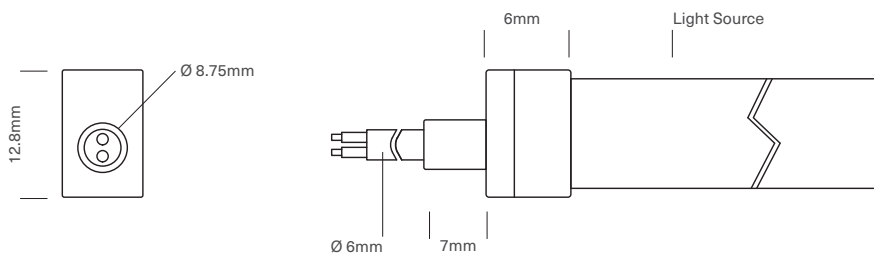


AQS-402-ACC-04
2m Aluminium

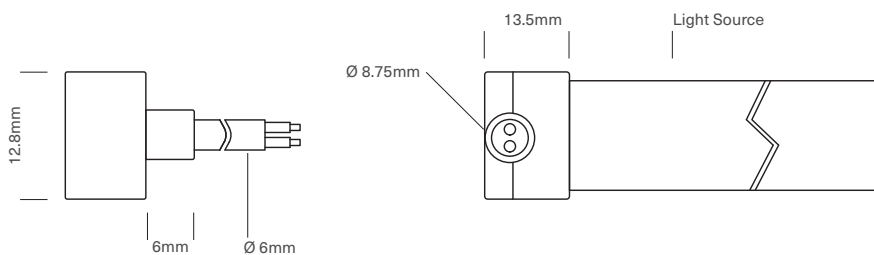


Injection Moulded Connectors Dimensions

Direct Cable Entry



Side Cable Entry



Neon Flex

AQS Family Reference Table

Product	Type	IP Rating	LED Options	Size mm	Power/m	Application
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AQS-172	Cob Strip	IP20	Mono	4mm	5W DC	Internal / Profile required
AQS-180	HE Strip	IP20	Mono	10mm	20W DC	Internal / Profile required
AQS-400	Neon Flex	IP65	Mono	10 x 9	5W DC / 10W DC	External / No profile required
AQS-401	Neon Flex	IP65	Mono	10 x 10	10W DC	External / No profile required
AQS-402	Neon Flex	IP65	Mono	6 x 12	10W DC	External / No profile required
AQS-410	Neon Flex	IP65	RGB	13 x 12	10W DC	External / No profile required
AQS-420	Neon Flex	IP65	Mono / RGBW	12 x 20	10W / 15W	External / No profile required
AQS-500	Neon Flex	IP68	Mono / RGB / RGBW / DMX	11.5 x 21	5W / 8W / 12W / 18W	External / Submerged / No profile
AQS-505	Neon Flex	IP68	Mono	13.5 x 13.5	10W	External / Submerged / No profile
AQS-510	Neon Flex	IP68	Mono / RGB / RGBW / DMX	16.5 x 16.5	10W / 13W / 17W / 18W	External / Submerged / No profile

Extension Wire Recommendations

Maximum extension wire length according to light power

Watts	22AWG 0.34mm ²	20AWG 0.53mm ²	18AWG 0.82mm ²	17AWG 1.04mm ²	16AWG 1.38mm ²	14AWG 2.07mm ²	12AWG 3.29mm ²	10AWG 5.62mm ²
10W	36m	60m	100m	120m	140m	240m	400m	600m
20W	18m	30m	50m	60m	70m	120m	200m	300m
30W	12m	20m	30m	38m	45m	80m	130m	200m
40W	8m	15m	22m	28m	35m	60m	95m	140m
50W	6m	12m	18m	22m	28m	48m	75m	105m
60W	5m	10m	15m	18m	22m	36m	60m	88m
70W	-	8m	12m	14m	18m	30m	50m	72m
80W	-	6m	10m	11m	14m	24m	40m	58m
90W	-	4m	7m	8m	10m	18m	30m	45m
100W	-	-	5m	6m	7m	12m	22m	32m
110W	-	-	3m	4m	5m	8m	15m	22m
120W	-	-	2m	2.5m	3m	0m	8m	12m