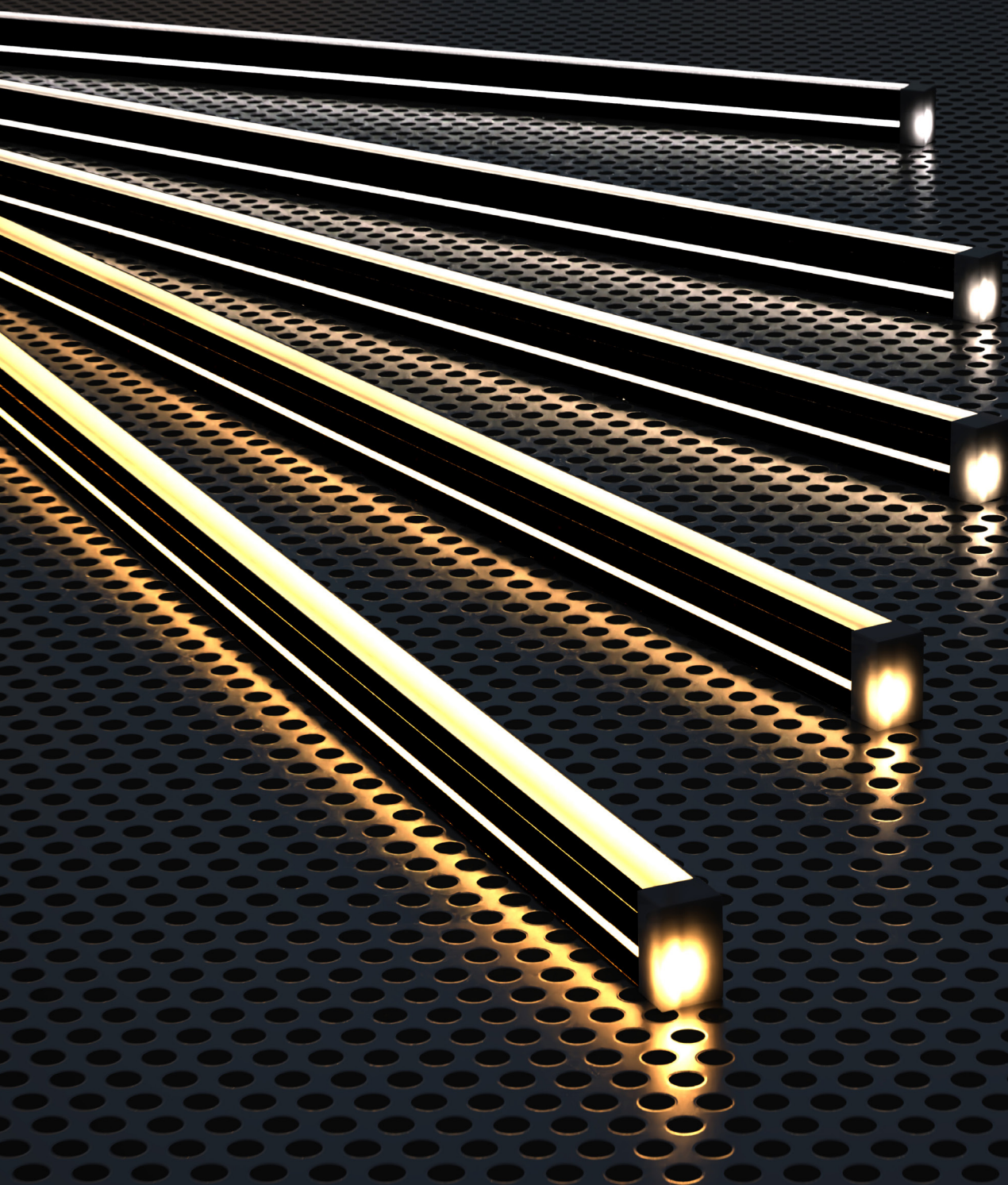
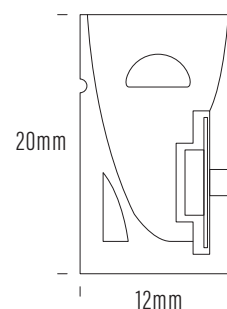
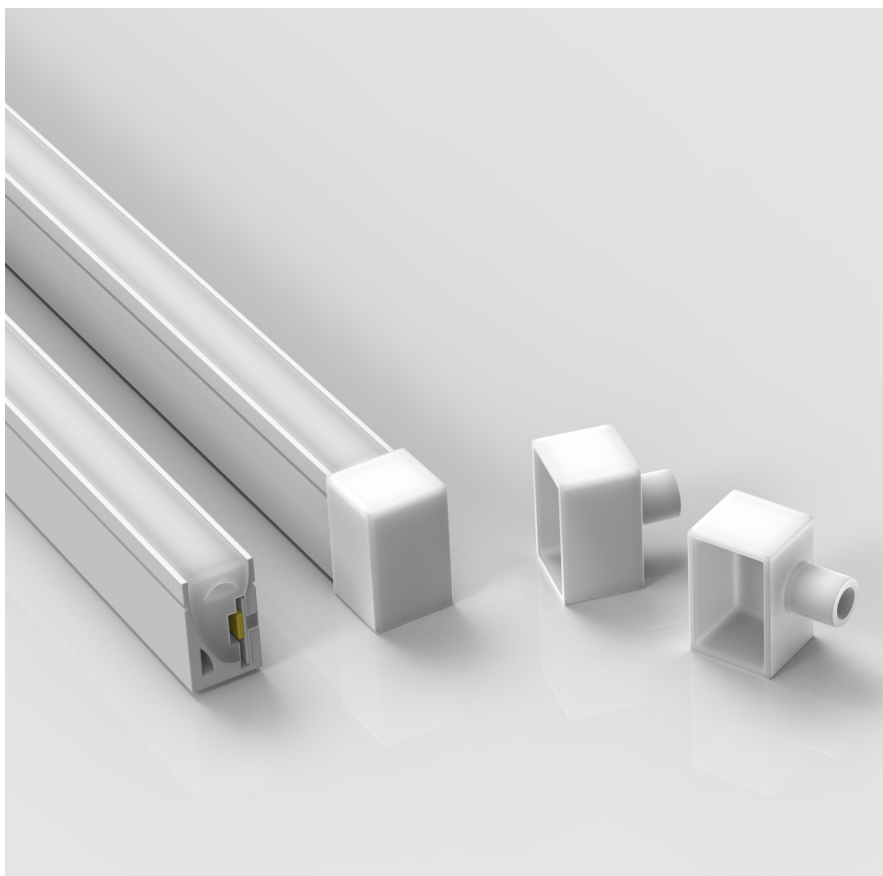




AQS-420 / Mono

The AQS-420 Neon Flex product is manufactured in a continuous extrusion process and then manually terminated to length with IP65 overmolded cable entry points here in our Sydney factory for a quicker turn-around time.

Neon Flex



Product	AQS-420-Mono
Voltage	24V DC
Watts (per Meter)	10W
IP Rating	IP65
Lumen Output (per Meter)	263lm to 290lm
CCT & Colour Options	2700K / 3000K / 4000K / 5000K
Working Mode	Constant Voltage (PWM) / DMX
Max Length (Single Power Feed)	10m
Max Length (Double Power Feed)	20m
Cut Interval	50mm
Bend Direction	Horizontally
Minimum Bend Diameter	120mm
LED Type	SMD5050
LED Qty / M	120pcs
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

Dimming Options

PSU Control (PWM / Phase / Remote)
24V Control (PWM)

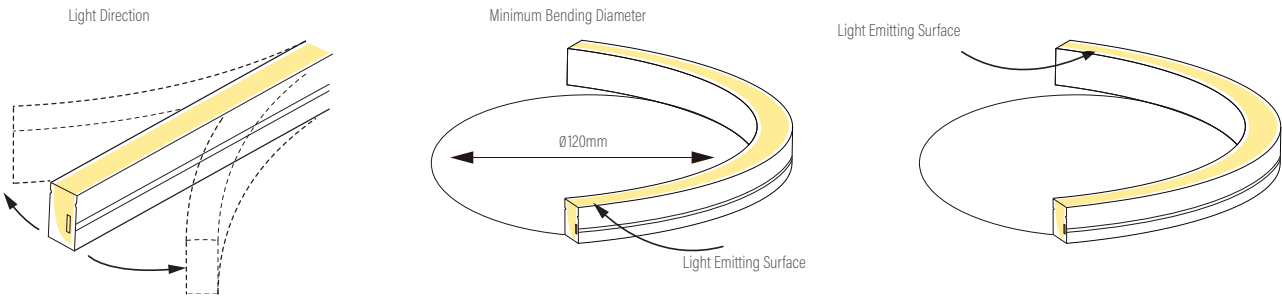
For wiring diagrams please refer to the aqualux
website: www.aqualux.com.au
/ Support / Downloads / Wiring Diagrams

Neon Flex

Variations

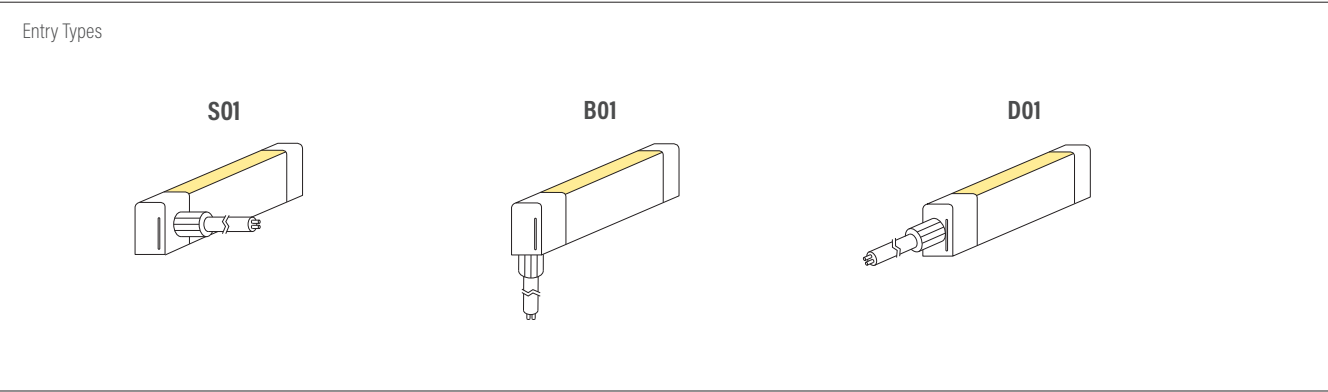
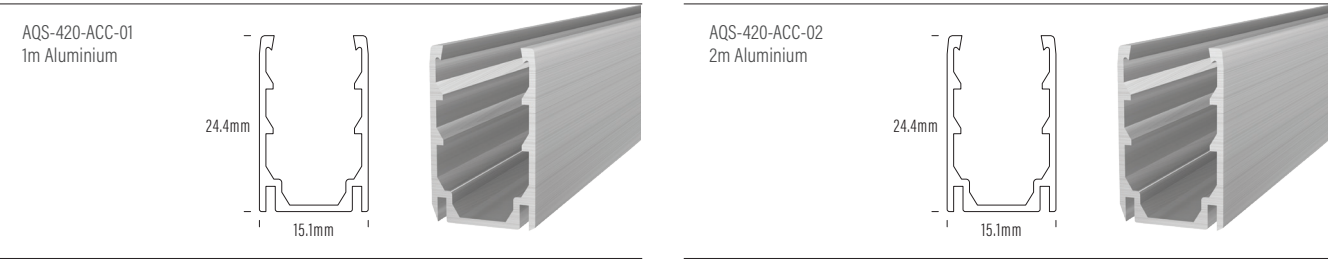
Product Code	CCT Kelvin	Voltage Direct Current	Watts Meter	Lumens Meter	Min Run Single End	Max Run Double End
AQS-420-27A10	2700K	24V DC	10W	263lm	10m	20m
AQS-420-30A10	3000K	24V DC	10W	270lm	10m	20m
AQS-420-40A10	4000K	24V DC	10W	285lm	10m	20m
AQS-420-50A10	5000K	24V DC	10W	290lm	10m	20m

Bending Directions



Neon Flex

Mounting



Neon Flex

IP65
INGRESS PROTECTION

3y
YEARS WARRANTY

SALTWATER
RESISTANT

SOLVENT
RESISTANT

ULTRA VIOLET
PROTECTION

3s
STEP
MACADAM

YES
VERTICAL
BENDING

LM80
LUMEN
MAINTENANCE

24V
DC
OBSERVE
POLARITY

Extrusion and End Cap allowances

Bottom Cable Double Output

Cable
— Ø6mm
Standard Cable length 100mm
AQS-420
Extrusion
36mm
Allow gap in extrusion to fit cable output ends

Bottom Cable Single Output

Cable
— Ø6mm
Standard Cable length 100mm
AQS-420
Extrusion
18mm
Allow gap in extrusion to fit cable output ends

Side Cable Double Output

Standard Cable length 100mm
Cable
— Ø6mm
AQS-420
Extrusion
31mm
Allow gap in extrusion to fit cable output ends

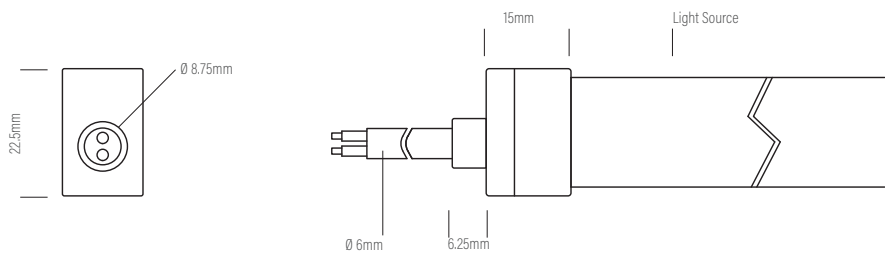
Side Cable Single Output

Standard Cable length 100mm
Cable
— Ø6mm
AQS-420
Extrusion
15.5mm
Allow gap in extrusion to fit cable output ends

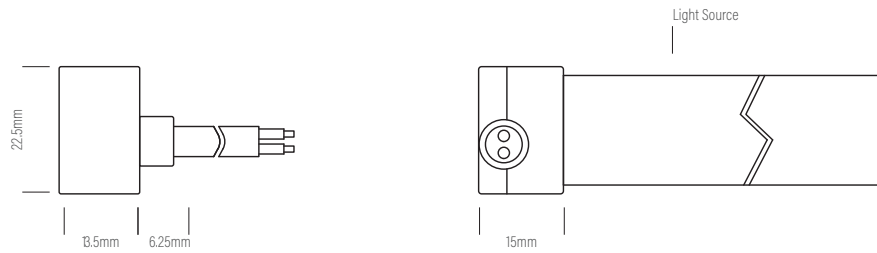
Neon Flex

Injection Moulded Connectors Dimensions

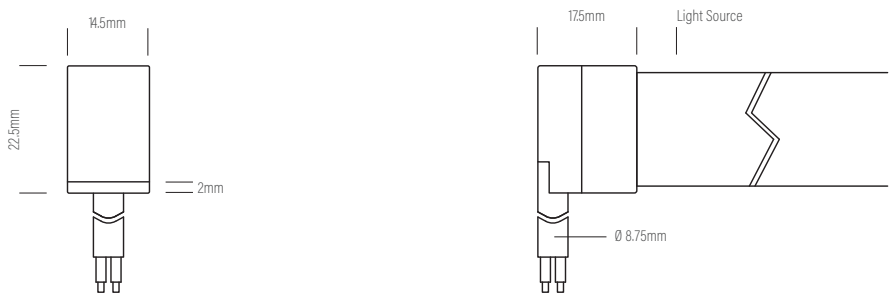
Direct Cable Entry



Side Cable Entry



Bottom 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-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	IP67	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