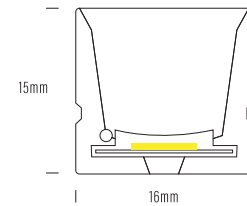
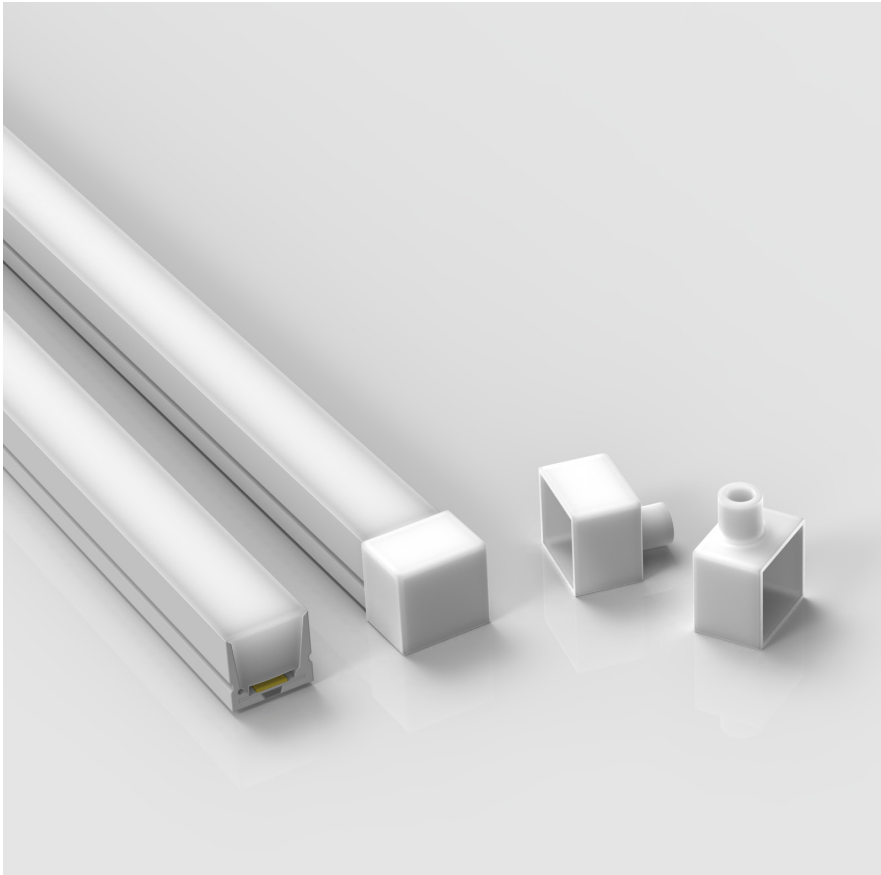


# AQS-421-Mono

AQS-421 is a high output top-view IP67 Neon Flex in Mono and RGBW. Use for external facade illumination, in-pavement channels and exterior wall grazing where moisture and mechanical protection is required.

# Neon Flex



Product	AQS-421
Voltage	24V DC
Watts (per Meter)	15W
IP Rating	IP67
Lumen Output (per Meter)	680lm to 930lm
CCT & Colour Options	2000K / 2700K / 3000K / 4000K / 5000K
Working Mode	Constant Voltage (PWM) / DMX
Max Length (Single Power Feed)	7m
Max Length (Double Power Feed)	14m
Cut Interval	50mm
Bend Direction	Vertically
Minimum Bend Diameter	300mm
LED Type	SMD2835
LED Qty / M	140LEDs
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-421-20A15	1615	2000K	24V DC	15W	680lm
AQS-421-27A15	1615	2700K	24V DC	15W	770lm
AQS-421-30A15	1615	3000K	24V DC	15W	850lm
AQS-421-40A15	1615	4000K	24V DC	15W	915lm
AQS-421-50A15	1615	5000K	24V DC	15W	930lm

Refer to installation guide when planning your project.

### Control Options

24V PWM  
24V DMX (With DMX-PWM Interface)

For wiring diagrams please refer to the aqualux website: [www.aqualux.com.au](http://www.aqualux.com.au) / Support / Downloads / Wiring Diagrams

# Neon Flex

## Features

- Uniform and even light output
- Flat LES with 120° FWHM emission
- Multiple White CCT options
- PWM/DMX Control options
- Rapid installation connectors
- 3-Step MacAdam CCT Binning

## Physical Specs

- IP67 Rated
- UV Stable
- Salt-mist / solvent resistant

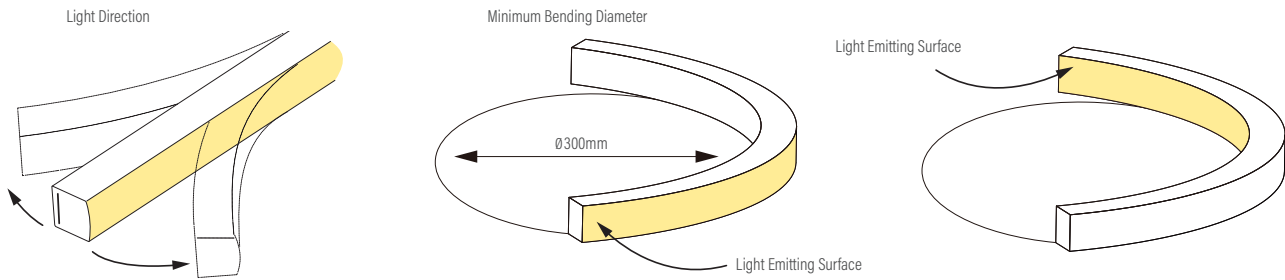
## Applications

- General Lighting
- Ships and boats
- Wall integration
- Machine lighting
- Path illumination
- Illuminated signs
- Architectural lighting



Product Code	CCT Kelvin	Voltage Direct Current	Watts Meter	Lumens Meter	Max Run Single End	Max Run Double End
AQS-421-20A15	2000K	24V DC	15W	680lm	7m	14m
AQS-421-27A15	2700K	24V DC	15W	770lm	7m	14m
AQS-421-30A15	3000K	24V DC	15W	850lm	7m	14m
AQS-421-40A15	4000K	24V DC	15W	915lm	7m	14m
AQS-421-50A15	5000K	24V DC	15W	930lm	7m	14m

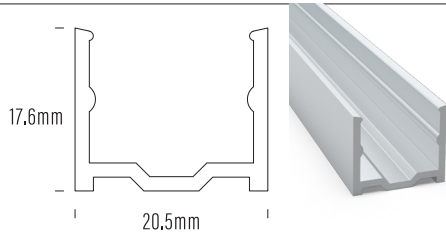
### Bending Directions



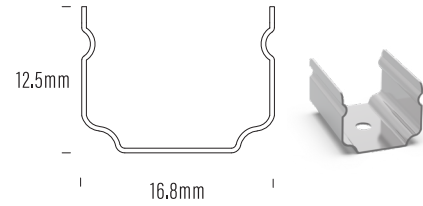
## Extrusion and Cable Entry Options

### Mounting

AQS-421-ACC-03  
2m Aluminium



AQS-421-ACC-01  
Stainless Steel Clip

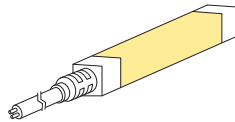


### Cable Entries

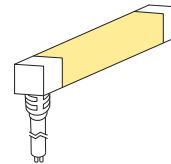
- Integrated non-removeable anti-siphon device
- IP68 factory assembly only
- Injection Moulded Connectors

#### Direct Cable Entry

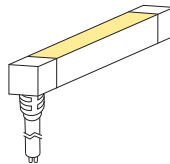
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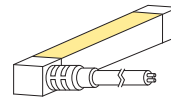
D03



B01



S01



# Neon Flex

## AQS Family Reference Table

Product	Type	IP Rating	LED Options	Size mm	Power/m	Application
AQS-170	Cob Strip	IP20	Mono	10mm	5W / 10W / 15W DC	Internal / Profile required
AQS-172	Cob Strip	IP20	Mono	4mm	5W DC	Internal / Profile required
AQS-173	Cob Strip	IP20	RGBW	12mm	16W DC	Internal / Profile required
AQS-400	Neon Flex	IP65	Mono	9 x 10	5W / 10W DC	External / No profile required
AQS-401	Neon Flex	IP65	Mono	10 x 10	5W / 10W DC	External / No profile required
AQS-402	Neon Flex	IP65	Mono / RGB	6 x 12	5W / 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	(Mono 5W / 8W / 12W) / 12W / 17W / 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

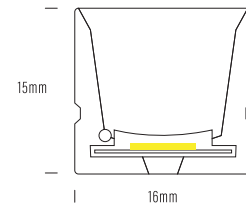
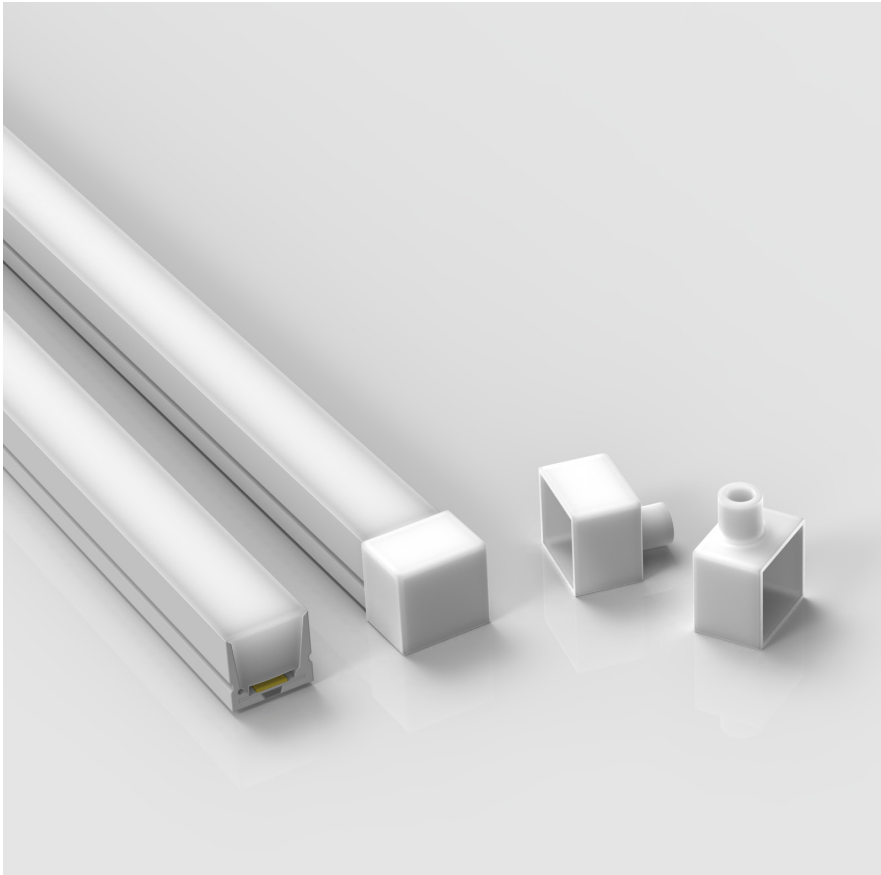
Watts	22AWG 0.34mm <sup>2</sup>	20AWG 0.53mm <sup>2</sup>	18AWG 0.82mm <sup>2</sup>	17AWG 1.04mm <sup>2</sup>	16AWG 1.38mm <sup>2</sup>	14AWG 2.07mm <sup>2</sup>	12AWG 3.29mm <sup>2</sup>	10AWG 5.62mm <sup>2</sup>
10W	36m	60m	100m	120m	140m	240m	400m	600m
20W	18m	30m	50m	60m	70m	120m	200m	300m
30W	12m	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-421-RGBW

AQS-421 is a high output top-view IP67 Neon Flex in Mono and RGBW. Use for external facade illumination, in-pavement channels and exterior wall grazing where moisture and mechanical protection is required.

## Neon Flex



Product	AQS-421
Voltage	24V DC
Watts (per Meter)	15W
IP Rating	IP67
Lumen Output (per Meter)	-
CCT & Colour Options	RGBW
Working Mode	Constant Voltage (PWM) / DMX
Max Length (Single Power Feed)	5m
Max Length (Double Power Feed)	10m
Cut Interval	63mm
Bend Direction	Vertically
Minimum Bend Diameter	300mm
LED Type	-
LED Qty / M	-
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-421-Z2A15	1615	RGBW	24V DC	15W	-

Refer to installation guide when planning your project.

### Control Options

24V PWM  
24V DMX (With DMX-PWM Interface)

For wiring diagrams please refer to the aqualux website: [www.aqualux.com.au](http://www.aqualux.com.au) / Support / Downloads / Wiring Diagrams

# Neon Flex

## Features

- Uniform and even light output
- Flat LES with 120° FWHM emission
- Multiple White CCT options
- PWM/DMX Control options
- Rapid installation connectors
- 3-Step MacAdam CCT Binning

## Physical Specs

- IP67 Rated
- UV Stable
- Salt-mist / solvent resistant

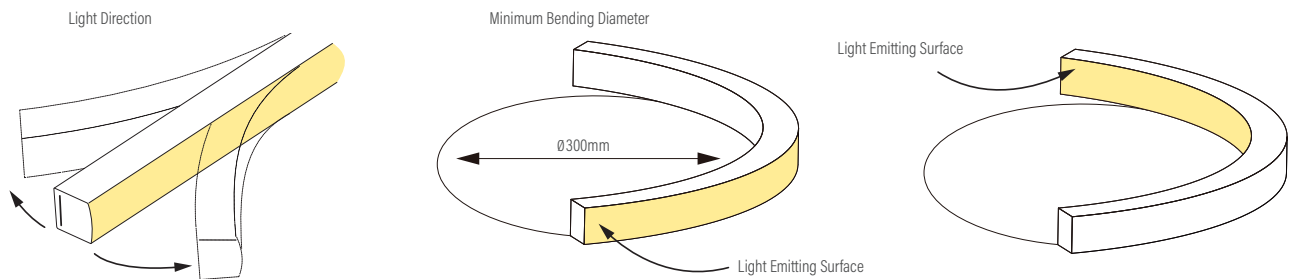


## Applications

- General Lighting
- Ships and boats
- Wall integration
- Machine lighting
- Path illumination
- Illuminated signs
- Architectural lighting

Product Code	CCT Kelvin	Voltage Direct Current	Watts Meter	Lumens Meter	Max Run Single End	Max Run Double End
AQS-421-Z2A15	RGBW 3000K	24V DC	15W	-	5m	10m

### Bending Directions

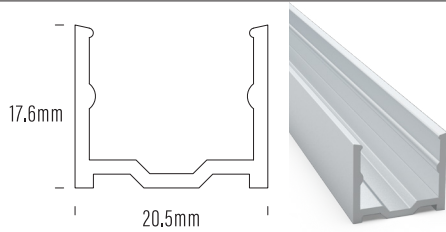




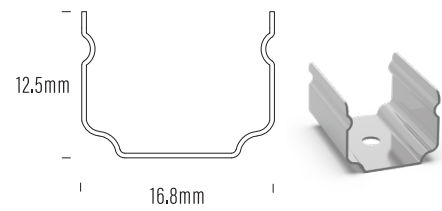
## Extrusion and Cable Entry Options

### Mounting

AQS-421-ACC-03  
2m Aluminium



AQS-421-ACC-01  
Stainless Steel Clip

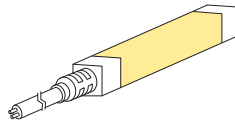


### Cable Entries

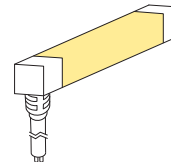
- Integrated non-removeable anti-siphon device
- IP68 factory assembly only
- Injection Moulded Connectors

#### Direct Cable Entry

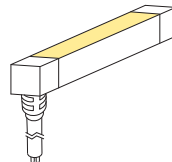
D01



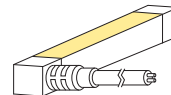
D03



B01



S01



# Neon Flex

## AQS Family Reference Table

Product	Type	IP Rating	LED Options	Size mm	Power/m	Application
AQS-170	Cob Strip	IP20	Mono	10mm	5W / 10W / 15W DC	Internal / Profile required
AQS-172	Cob Strip	IP20	Mono	4mm	5W DC	Internal / Profile required
AQS-173	Cob Strip	IP20	RGBW	12mm	16W DC	Internal / Profile required
AQS-400	Neon Flex	IP65	Mono	9 x 10	5W / 10W DC	External / No profile required
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AQS-402	Neon Flex	IP65	Mono / RGB	6 x 12	5W / 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	(Mono 5W / 8W / 12W) / 12W / 17W / 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 <sup>2</sup>	20AWG 0.53mm <sup>2</sup>	18AWG 0.82mm <sup>2</sup>	17AWG 1.04mm <sup>2</sup>	16AWG 1.38mm <sup>2</sup>	14AWG 2.07mm <sup>2</sup>	12AWG 3.29mm <sup>2</sup>	10AWG 5.62mm <sup>2</sup>
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