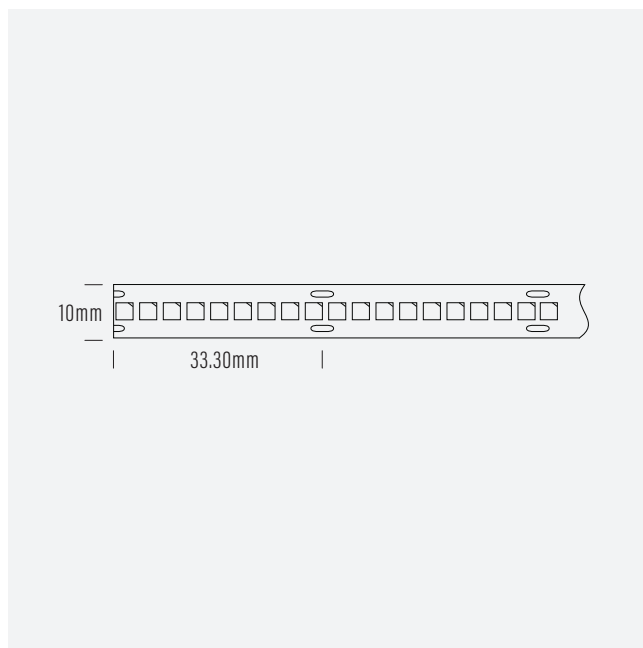
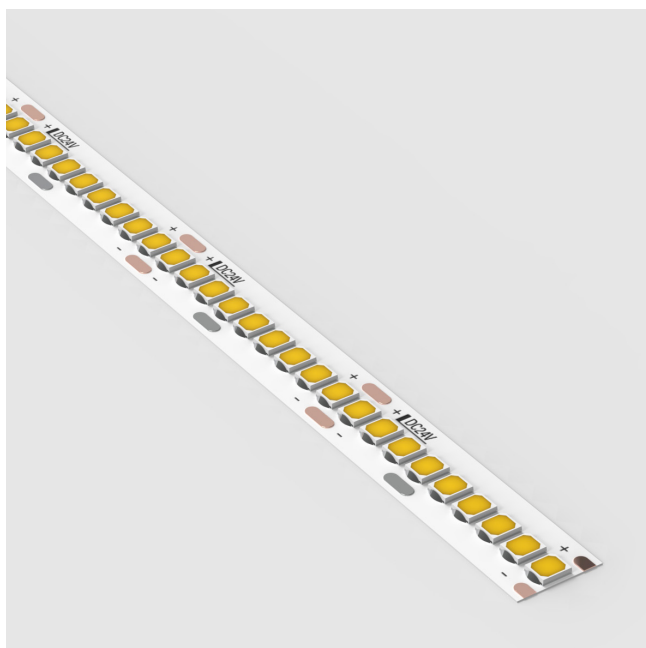


AQS-180 ULTRA

AQS-180 is a high-output, ultra efficient 2835-based LED Strip. Used for internal illumination, the AQS-180 features 90+ CRI, < 3 SDCM for consistent appearance and a heavy-duty 3 OZ copper base for improved heat management.

AQS-180 Mono UltraLED Strip



CONFIGURE	
AQS-180-20A20	2000K / 24VDC / 20W
AQS-180-27A20	2700K / 24VDC / 20W
AQS-180-30A20	3000K / 24VDC / 20W
AQS-180-40A20	4000K / 24VDC / 20W

Product	AQS-180
Voltage	24V DC
Watts (per Meter)	20W
IP Rating	IP20
Lumen Output (per Meter)	2220-3320lm
CCT & Colour Options	2000K / 2700K / 3000K / 4000K
Working Mode	Constant Voltage (PWM) / DMX
Max Length (Single Power Feed)	5m
Max Length (Double Power Feed)	10m
Cut Interval	29.4mm
CRI	90+
Bend Direction	Vertically
Minimum Bend Diameter	50mm
LED Type	COB
LED Qty / M	272pcs
Lumen Maintenance	50,000 Hours L70@ 30°C
Materials	3M Adhesive Backing
Emission Angle	180°
Operating Temperature	-20° to +40°C
Installation Temperature	5° to +35°C
Warranty	5 Year Aqualux Warranty Must be mounted in Aluminium Extrusion

INTRODUCTION

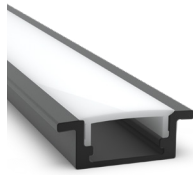
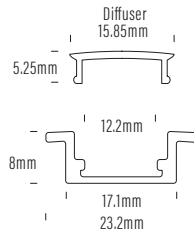
- Ultra-high output and efficacy whilst maintaining CCT stability over the entire strip
- Leading CRI / TM-30-15 performance
- < 3 SDCM for excellent consistency between LEDs and strips
- IP-rated options available by request
- Aluminium profile recommended for heat dissipation



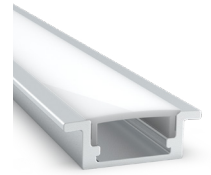
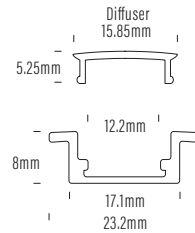
AQS-180 Mono UltraLED Strip

Mounting Extrusion and Diffuser

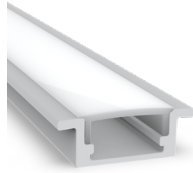
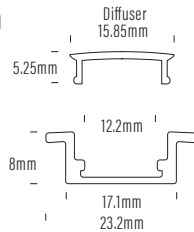
AQS-100-AL-001-2.5M-BK
Aluminium Profile
PMMA Diffuser



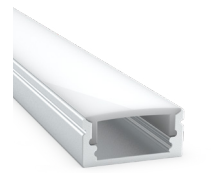
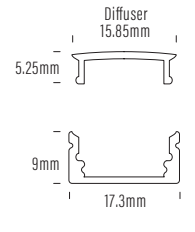
AQS-100-AL-001-2.5M-SC
Aluminium Profile
PMMA Diffuser



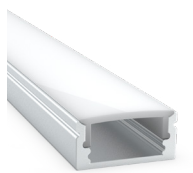
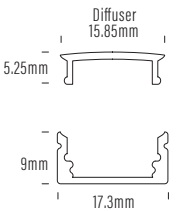
AQS-100-AL-001-2.5M-WH
Aluminium Profile
PMMA Diffuser



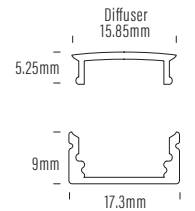
AQS-100-AL-02-1M
Aluminium Profile
PMMA Diffuser



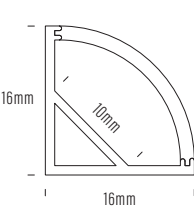
AQS-100-AL-02-2M
Aluminium Profile
PMMA Diffuser



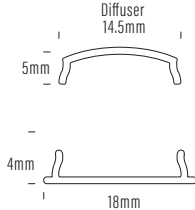
AQS-100-AL-02-2.5M
Aluminium Profile
PMMA Diffuser



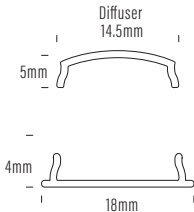
AQS-100-AL-003-2.5M-A1
Aluminium Profile
Corner Recess with
Opal PC Cover



AQS-170-ACC-05
2m Aluminium Profile
PMMA Diffuser



AQS-170-ACC-04
1m Aluminium Profile
PMMA Diffuser

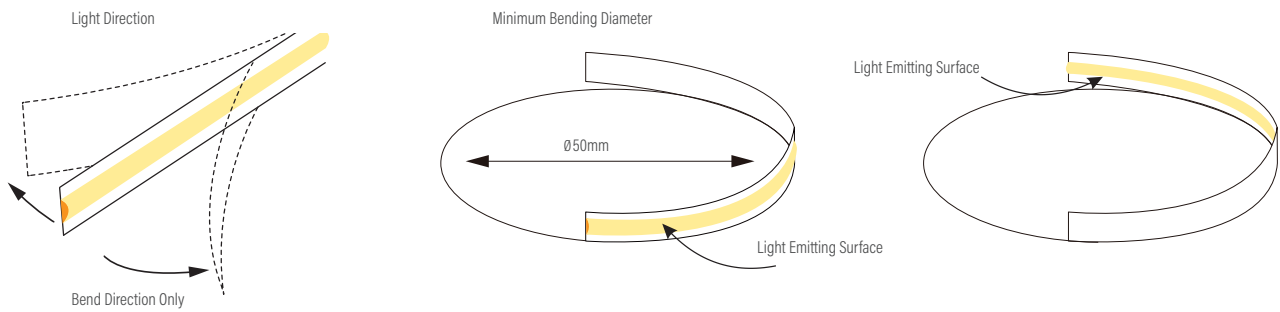


AQS-180 Mono UltraLED Strip

Variations

Product Code	CCT Kelvin	Voltage Direct Current	Watts Meter	Lumens Watt	Lumens Meter	Min Run Single End	Max Run Double End
AQS-180-20A20	2000K	24V DC	20W	111 LPW	2220 lm	5m	10m
AQS-180-27A20	2700K	24V DC	20W	159 LPW	3180 lm	5m	10m
AQS-180-30A20	3000K	24V DC	20W	160 LPW	3200 lm	5m	10m
AQS-180-40A20	4000K	24V DC	20W	166 LPW	3320 lm	5m	10m

Bending Directions



AQS-180 Mono UltraLED Strip

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	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