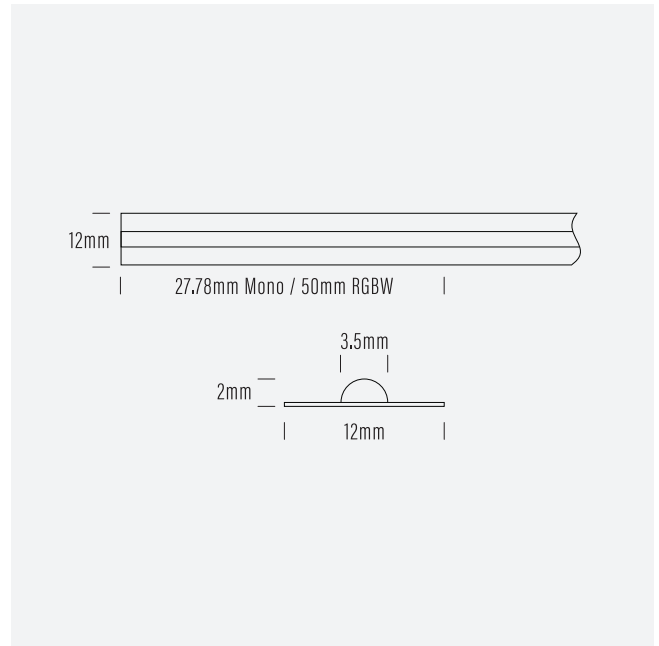


# AQS-173 / Mono

AQS-173 is the latest technology in Mono COB Strip lighting. Use for internal illumination, the COB LED Strip minimises the issue of dark LED dots for a clean continuous linear light source.

# AQS-173 Mono ProCOB Strip



CONFIGURE	
AQS-173-20A20	2000K / 24VDC / 20W
AQS-173-27A20	2700K / 24VDC / 20W
AQS-173-30A20	3000K / 24VDC / 20W
AQS-173-40A20	4000K / 24VDC / 20W

## INTRODUCTION

AQS-173 is the latest technology in Mono COB Strip lighting. Where maximum light and quality is required. 12mm PCB for improved stability. Reduce cut intervals for precise cutting. Ultra high CRI 95+. Use for internal illumination, the COB LED Strip minimises the issue of dark LED dots for a clean continuous linear light source.

Product	AQS-173-Mono
Voltage	24V DC
Watts (per Meter)	20W
IP Rating	IP20
Lumen Output (per Meter)	1140-1740lm
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	27.78mm
CRI	95+
Bend Direction	Vertically
Minimum Bend Diameter	50mm
LED Type	COB
LED Qty / M	576pcs
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



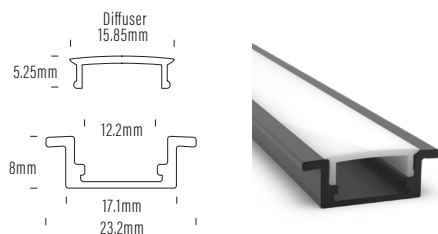
# AQS-173 Mono ProCOB Strip

## Variations

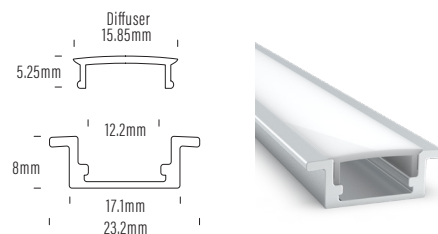
Product Code	CCT Kelvin	Voltage Direct Current	Watts Meter	Lumens Watts	Lumens Meter	Min Run Single End	Max Run Double End
AQS-173-20A20	2000K	24V DC	20W	57 LPW	1140lm	5m	10m
AQS-173-27A20	2700K	24V DC	20W	71 LPW	1420lm	5m	10m
AQS-173-30A20	3000K	24V DC	20W	76 LPW	1633lm	5m	10m
AQS-173-40A20	4000K	24V DC	20W	87 LPW	1740lm	5m	10m

## Mounting Extrusion and Diffuser

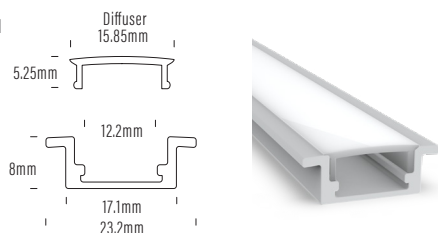
AQS-100-AL-001-2.5M-BK  
Aluminium Profile  
PMMA Diffuser



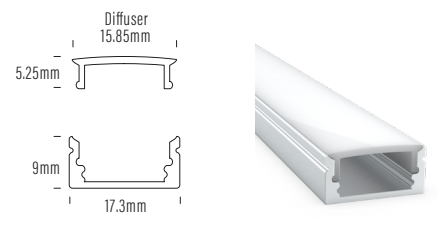
AQS-100-AL-001-2.5M-SC  
Aluminium Profile  
PMMA Diffuser



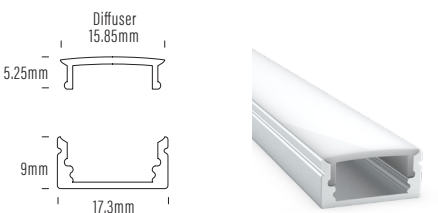
AQS-100-AL-001-2.5M-WH  
Aluminium Profile  
PMMA Diffuser



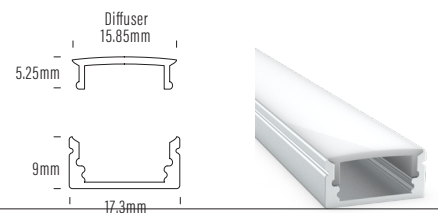
AQS-100-AL-02-1M  
Aluminium Profile  
PMMA Diffuser



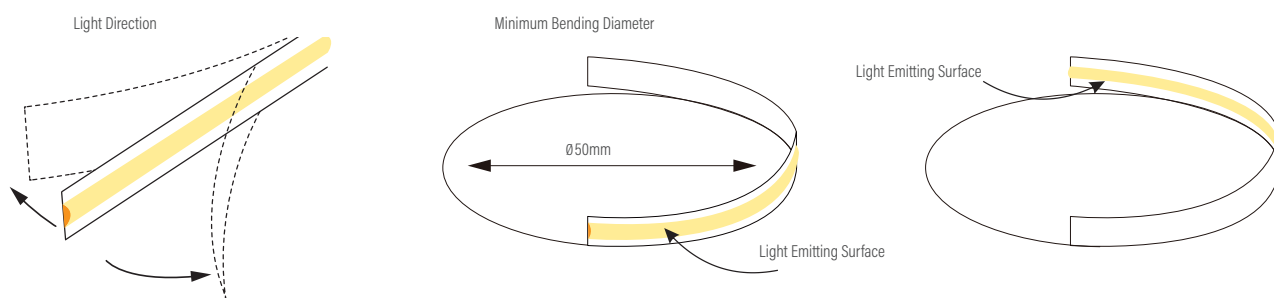
AQS-100-AL-02-2M  
Aluminium Profile  
PMMA Diffuser



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



## Bending Directions



# AQS-173 Mono

## ProCOB Strip

### 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

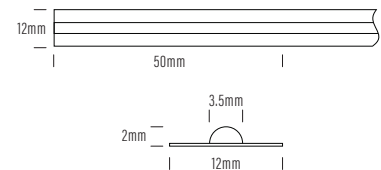
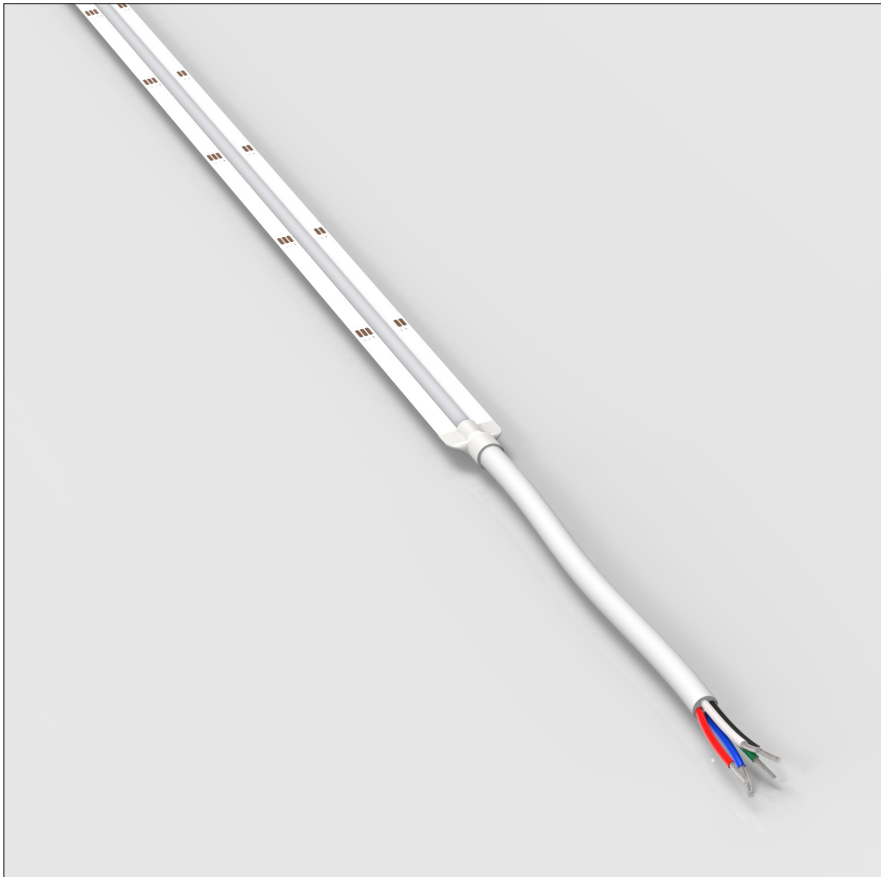
Maximum extension wire length according to light power

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-173 / RGBW

AQS-173 is the latest technology in RGB+3000K COB Strip lighting. Use for internal illumination, the COB LED Strip minimises the issue of dark LED dots for a clean continuous linear light source.

# COB Strip



Product	AQS-173-RGBW
Voltage	24V DC
Watts (per Meter)	16W
IP Rating	IP20
Lumen Output (per Meter)	465lm - 630lm
CCT & Colour Options	RGB + 3000k
Working Mode	Constant Voltage (PWM) / DMX
Max Length (Single Power Feed)	5m
Max Length (Double Power Feed)	10m
Cut Interval	50mm
Bend Direction	Vertically
Minimum Bend Diameter	50mm
LED Type	COB RGBW
LED Qty / M	560pcs
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	3 Year Aqualux Warranty

CONFIGURE	
AQS-173-ZZA16	3000K / 24VDC / 16W

# AQS-173-RGBW

## COB Strip



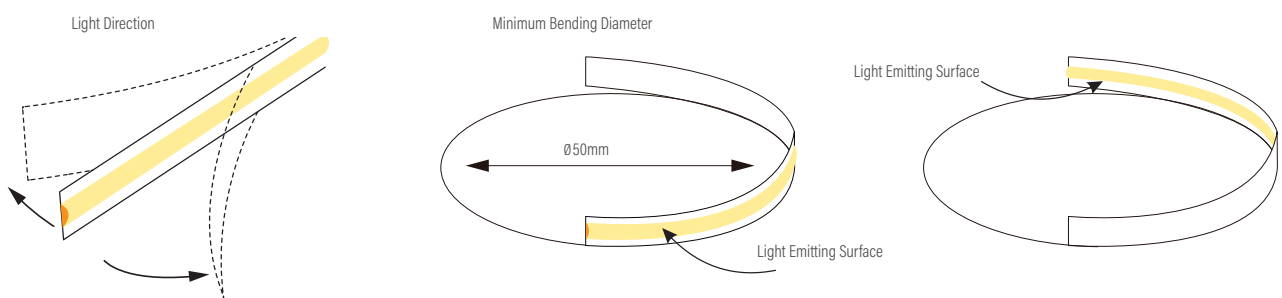
### Variations

Product Code	CCT Kelvin	Voltage Direct Current	Watts Meter	Lumens Meter	Min Run Single End	Max Run Double End
AQS-173-Z2A16	RGBW 3000K	24V DC	16W	465lm-630lm	5m	10m

### Mounting Extrusion and Diffuser

<p>AQS-100-AL-001-2.5M-BK</p> <p>Aluminium Profile PMMA Diffuser</p>	<p>AQS-100-AL-001-2.5M-SC</p> <p>Aluminium Profile PMMA Diffuser</p>
<p>AQS-100-AL-001-2.5M-WH</p> <p>Aluminium Profile PMMA Diffuser</p>	<p>AQS-100-AL-02-1M</p> <p>Aluminium Profile PMMA Diffuser</p>
<p>AQS-100-AL-02-2M</p> <p>Aluminium Profile PMMA Diffuser</p>	<p>AQS-100-AL-02-2.5M</p> <p>Aluminium Profile PMMA Diffuser</p>

### Bending Directions



## COB Strip



### 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