

LEDLINE AIR 1617 WHT - COMBO SYSTEM

3D Bending · Static White

(Standard Cut + Free Cut Finishing Piece)

Features

The AIR 1617 Combo System combines standard cut and free cut capabilities to provide precise, made-to-order lengths, utilizing Standard Cuts for the majority of the runs, with Free Cuts reserved only for the finishing segments. This combo usage achieves cost savings of 20–40% versus using Free Cuts for the entire length. Both AIR 1617 Standard Cut and Free Cut maintain consistent binning and brightness.

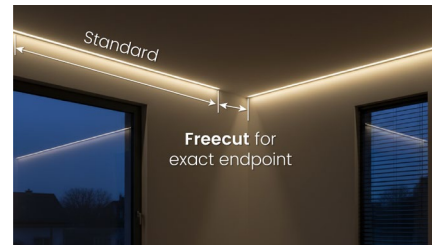
Applications

Living rooms, TV walls, feature walls, under-cabinet areas, staircases, ceiling coves, hallways, etc.

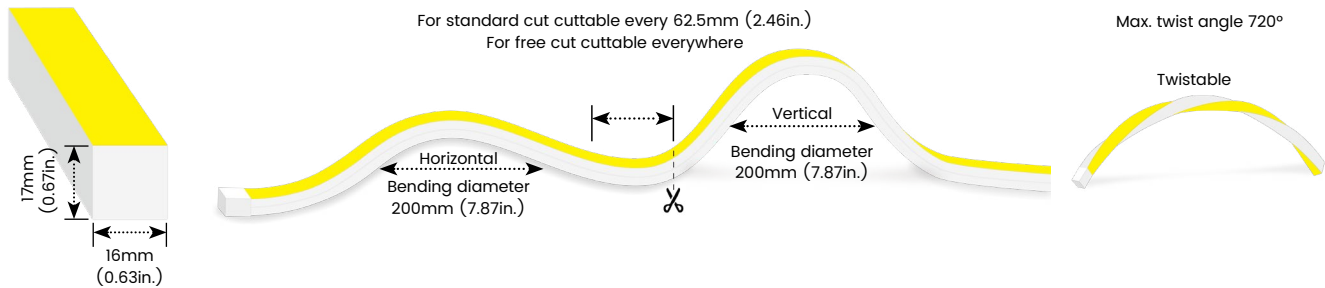
Date	Fixture type
Project name	Project phase



Combo System



Bending Directions & Diameters



Order Code

Assembly Builder

Model	Bend Direction	Voltage	CCT	Power	Left Feed Entry
AIR1617	3D-3D bending	24V-DC24V	927-RA90 2700K	100-10W/M	F Front
	3DFC-3D bending Free Cut		930-RA90 3000K		B Bottom
			940-RA90 4000K		S Side
				C Closed	

*AIR16173DFC: Free Cut delivers precise field-cut lengths for the last segment, while keeping in line with standard cut in dimensions, binning, output, and mounting for a uniform appearance.

Assembly Builder

Mounting Order Code

Right Feed Entry	Length
F Front	Max. nominal 5m(16.4ft) AIR16173D
B Bottom	Max. nominal 4m(13.12ft) AIR16173DFC
S Side	Increment 62.5mm(2.46in.)
C Closed	

Product Code
Please select on the Mounting Options page

*We will list the nearest actual manufacturing length on the quotation, based on your requested length.

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Lumen Output (lm/m)

CCT	10W/M
■ 2700K	970
■ 3000K	1010
■ 4000K	1040
Max. Run for standard cut	5m
Max. run for Free cut	4m

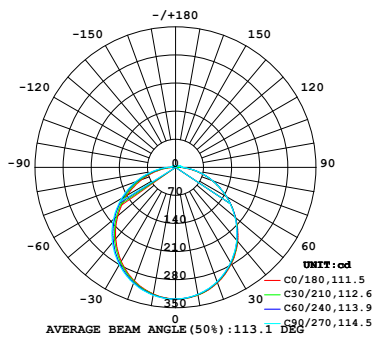
Technical Details

Efficacy	101lm/W @3000K 10W
CRI	Ra>90
Beam Angle	110°
LED MacAdam	3 step
IK Rating	IK108
Average Life (L80B50)	>44,000 hours
Storage Temperature	-40°C- 65°C
Operating Temperature	-40°C- 65°C

Photometry

AIR16173D-24-930-100

LEDLINE AIR 1617, 3D bending, 24V, RA90, 3000K, 10W/M



Zonal Lumen Summary

Zone	Lumen	% Fixture
0-30	254.0	25.3%
0-40	415.6	41.4%
0-60	737.2	73.4%
0-90	971.1	96.7%
0-180	1004.0	100.0%

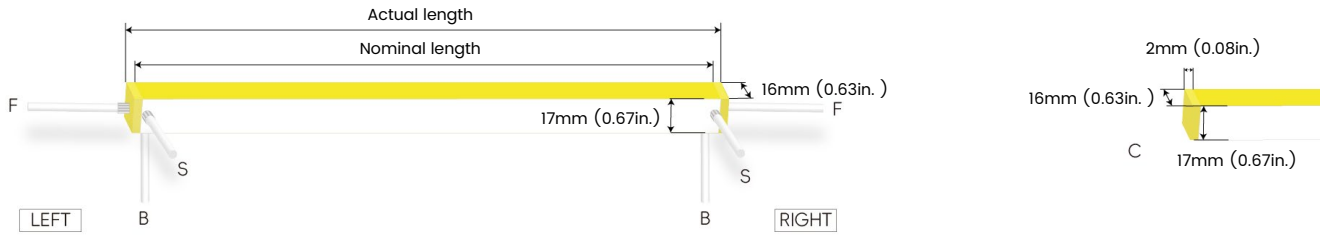
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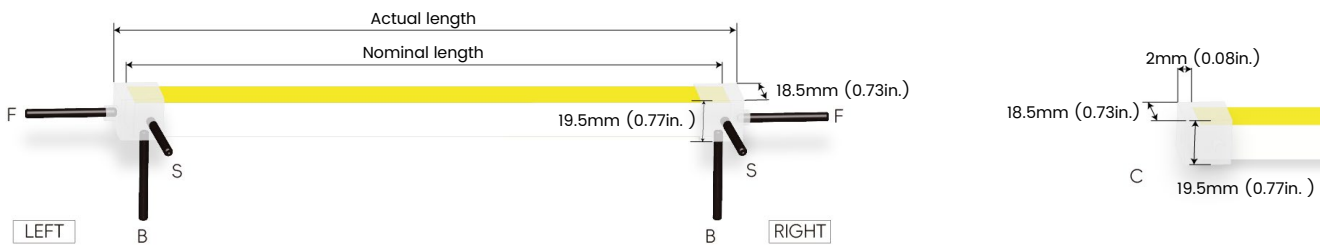
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Feed Entry / End Cap Options

FT: Flush Translucent – IP67, factory-made only



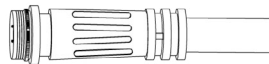
Silicone end cap – IP67, for field cuttable only



Connector Wire Options



OW: Open wire, **Dry** only
Standard 30cm (0.98ft), 20 AWG,
wire length customizable



MC: Male connector, **Wet**
Standard 30cm (0.98ft), 20 AWG




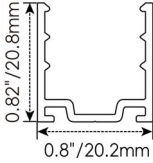

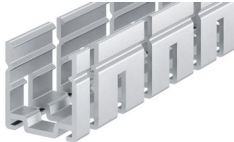
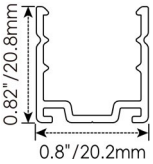
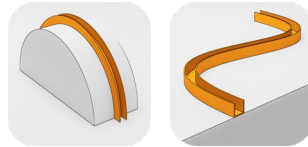
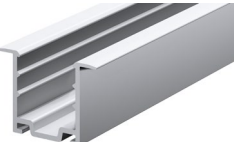
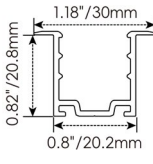


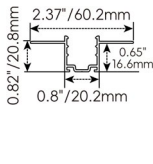

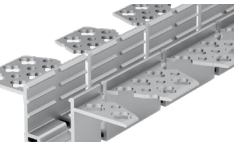
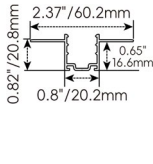
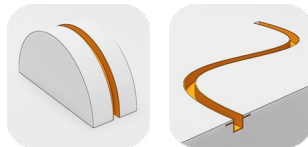

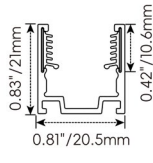


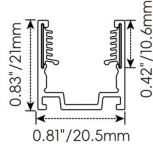


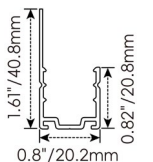

FC: Female connector, **Wet**
Standard 30cm (0.98ft), 20 AWG

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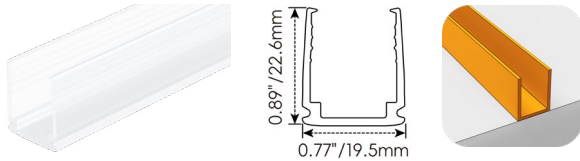
Mounting Options

			<p>AC167-AP</p> <table border="1"> <tr> <td>Name</td> <td>Straight surface profile</td> </tr> <tr> <td>Material</td> <td>Aluminum</td> </tr> <tr> <td>Standard Length</td> <td>1M (3.28ft)</td> </tr> </table>	Name	Straight surface profile	Material	Aluminum	Standard Length	1M (3.28ft)		
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Standard Length	1M (3.28ft)										
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Material	Aluminum										
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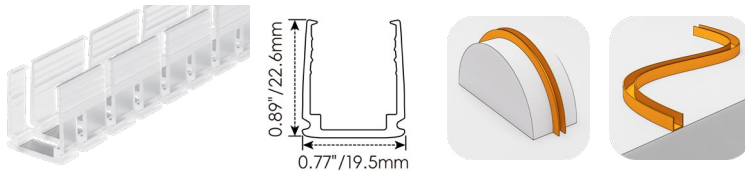
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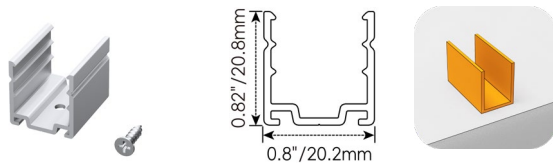


AC167-PC	
Name	PC profile
Material	Polycarbonate
Standard Length	1M (3.28ft)



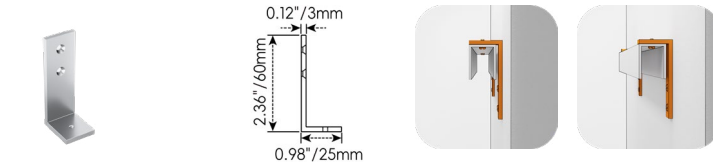
AC167-CPC	
Name	Bendable PC profile
Material	Polycarbonate
Standard Length	1M (3.28ft)
Min. Bending Diameter	300mm (11.8in.)

Clip Options

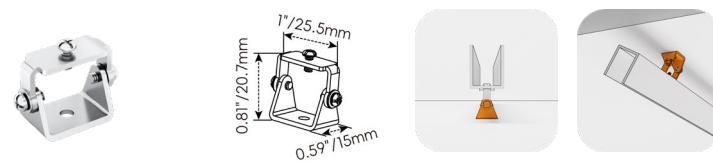


AC167-MC	
Name	Mounting clip
Material	Aluminum
Standard Length	25mm (0.98in.)

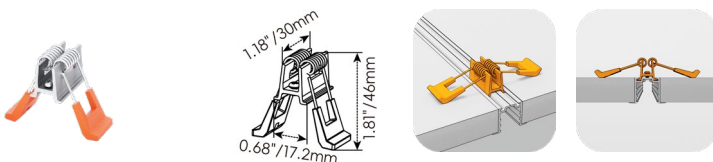
Bracket Options



AC167-SET-LA	
Name	L-shaped mounting bracket
Material	Aluminum
Standard Length	20mm (0.79in.)
* AC167-SET-LA must be installed with AC167-AP	



AC167-AMB	
Name	Adjustable mounting clip
Material	Stainless steel
Standard Length	25.5mm (1 in.)
* AC167-AMB must be installed with AC167-AP	



AC167-SET-LC	
Name	Spring clip
Standard Pkg	1pcs
* AC167-SET-LC must be installed with AC167-EP	

Tool Options



IF-167	
Name	Fixture
Material	Resin
Standard Length	1pcs
* Insertion Fixture for AC167-CPC	

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Silicone End Caps (Optional, purchase for extra)

AC167-EC
Silicone closed end cap



AC167-EC2-F
Silicone end cap front entry with
30cm(0.98ft) cable, 2 pin



AC167-EC2-S
Silicone end cap side entry with
30cm(0.98ft) cable, 2 pin



AC167-EC2-B
Silicone end cap bottom entry with
30cm(0.98ft) cable, 2 pin

Additional Accessories (Optional, purchase for extra)

AD102-2-MCW
Male connector,
30cm (0.98ft) white cable,
2 pin, IP67, Wet, 20 AWG



AD102-2-FCW
Female connector,
30cm (0.98ft) white cable,
2 pin, IP67, Wet, 20 AWG



AD102-2-MCW
Male connector,
30cm (0.98ft) black cable,
2 pin, IP67, Wet, 20 AWG



AD102-2-FCW
Female connector,
30cm (0.98ft) black cable,
2 pin, IP67, Wet, 20 AWG

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Drivers

Non-dimmable

Code	Max Load	Input	Output	Environment	Size (L x W x H)
ELG-150-24A-3Y	150W	100-305VAC	24V	Dry/Damp/IP67	219 * 63 * 35.5 mm
LRS-150-24	150W	85-132VAC / 170-264VAC	24V	Dry	159 * 97 * 30 mm

3 in 1-dimmable

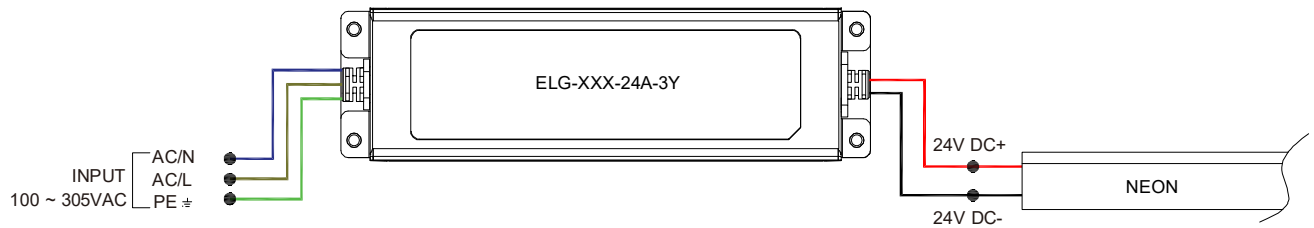
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ELG-150-24B-3Y	150W	100-305VAC	24V	Dry/Damp/IP67	219 * 63 * 35.5 mm

DALI-dimmable

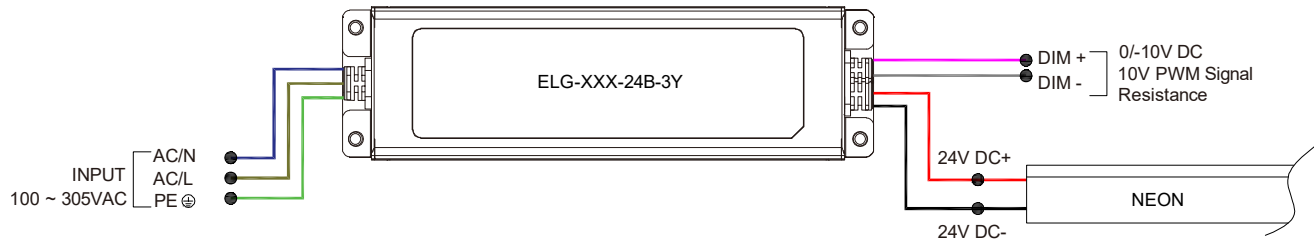
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Wiring Diagram

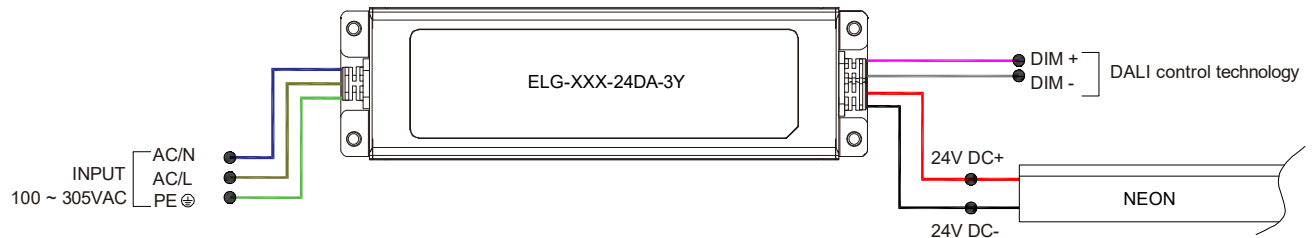
Non-dimmable



3 in 1-dimmable



DALI-dimmable



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24V Voltage Drop & Maximum Wire Length Chart

Based on 24V voltage with a 3% voltage drop allowance. Indicates the maximum wire length from the power supply to the start of the run.

Total load	8AWG	10AWG	12AWG	14AWG	16AWG	18AWG	20AWG	22AWG
10W / 0.4A	484.0m	304.5m	191.4m	120.4m	75.5m	47.5m	29.8m	18.5m
20W / 0.8A	242.0m	152.1m	95.7m	60.0m	37.8m	23.7m	14.9m	9.1m
30W / 1.3A	161.2m	101.5m	63.7m	39.9m	24.9m	15.8m	9.7m	6.1m
40W / 1.7A	121.0m	75.9m	47.8m	29.8m	18.9m	11.8m	7.3m	4.5m
50W / 2.1A	96.6m	60.6m	38.1m	24.0m	14.9m	9.4m	5.7m	3.6m
60W / 2.5A	80.4m	50.6m	31.7m	19.8m	12.5m	7.9m	4.8m	3.0m
70W / 2.9A	68.8m	43.2m	27.1m	17.0m	10.6m	6.7m	4.2m	2.4m
80W / 3.3A	60.3m	37.8m	23.7m	14.9m	9.4m	5.7m	3.6m	2.1m
90W / 3.8A	53.6m	33.8m	21.0m	13.1m	8.2m	5.1m	3.0m	1.8m
100W / 4.2A	48.1m	30.1m	18.9m	11.8m	7.3m	4.5m	2.7m	1.8m
110W / 4.6A	43.8m	27.4m	17.3m	10.6m	6.7m	4.2m	2.7m	1.5m
120W / 5.0A	40.2m	25.3m	15.8m	9.7m	6.1m	3.9m	2.4m	1.5m
130W / 5.4A	37.1m	23.1m	14.6m	9.1m	5.7m	3.6m	2.1m	1.2m
140W / 5.8A	34.4m	21.6m	13.4m	8.5m	5.1m	3.3m	2.1m	1.2m
150W / 6.3A	32.0m	20.1m	12.5m	7.9m	4.8m	3.0m	1.8m	1.2m
160W / 6.7A	30.1m	18.9m	11.8m	7.3m	4.5m	2.7m	1.8m	0.9m
170W / 7.1A	28.3m	17.6m	10.9m	7.0m	4.2m	2.7m	1.5m	0.9m
180W / 7.5A	26.8m	16.7m	10.3m	6.7m	3.9m	2.4m	1.5m	0.9m
190W / 7.9A	25.3m	15.8m	10.0m	6.0m	3.9m	2.4m	1.5m	0.9m
200W / 8.3A	24.0m	14.9m	9.4m	5.7m	3.6m	2.1m	1.2m	0.9m
210W / 8.8A	22.8m	14.3m	8.8m	5.4m	3.3m	2.1m	1.2m	0.6m
220W / 9.2A	21.9m	13.7m	8.5m	5.4m	3.3m	2.1m	1.2m	0.6m
230W / 9.6A	21.0m	13.1m	8.2m	5.1m	3.0m	1.8m	1.2m	0.6m
240W / 10.0A	20.1m	12.5m	7.9m	4.8m	3.0m	1.8m	1.2m	0.6m
250W / 10.4A	19.2m	12.1m	7.6m	4.5m	2.7m	1.8m	0.9m	0.6m