LEDLINE AIR 1010 WHT - COMBO SYSTEM

3D Bending · Static White

(Standard Cut + Free Cut Finishing Piece)

Features

The AIR 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 Standard Cut and Free Cut maintain consistent binning and brightness.

Date

Fixture type

Project name

Project phase

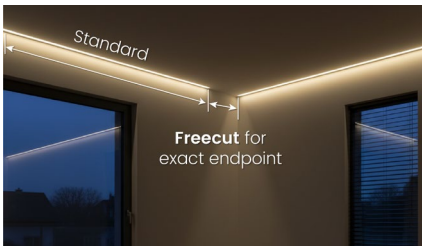


Applications

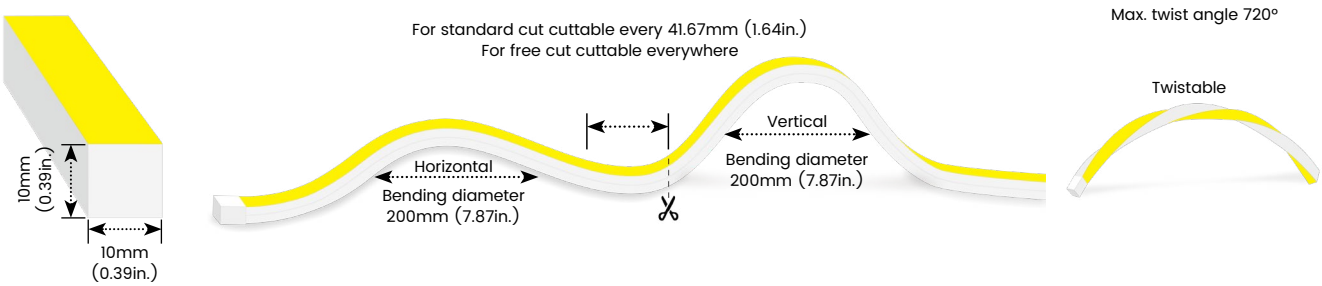
Living rooms, TV walls, feature walls, under-cabinet areas, staircases, ceiling coves, hallways, etc.

Combo System





Bending Directions & Diameters



Order Code

Model	Bend Direction	Voltage	CCT	Power
AIR1010	**3D**-3D bending **3DFC**-3D bending Free Cut	**24V**-DC24V	**927**-RA90 2700K **930**-RA90 3000K **940**-RA90 4000K	**100**-10W/M

Assembly Builder

Left Feed Entry			
F	Front	**OW**	Open wire 30cm(0.98ft)
B	Bottom	**MC**	Male connector with 30cm(0.98ft) cable
S	Side	**FC**	Female connector with 30cm(0.98ft)cable
C	Closed	**NA**	Only for Closed Feed Entry

***AIR1010FC:** 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

Right Feed Entry			
F	Front	**OW**	Open wire 30cm(0.98ft)
B	Bottom	**MC**	Male connector with 30cm(0.98ft) cable
S	Side	**FC**	Female connector with 30cm(0.98ft)cable
C	Closed	**NA**	Only for Closed Feed Entry

Length	
Max. nominal	5m(16.4ft) AIR10103D
Max. nominal	4m(13.12ft)AIR10103DFC
Increment	41.67mm (1.64in.)

Mounting Order Code

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	890
3000K	930
4000K	950
Max. Run for standard cut	5m
Max. run for Free cut	4m

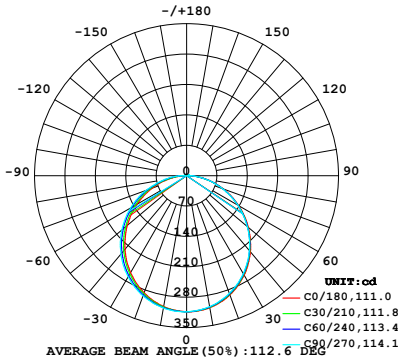
Techinical Details

Efficacy	93lm/W @3000K 10W
CRI	Ra≥90
Beam Angle	110°
LED MacAdam	3 step
IK Rating	IK07
Average Life (L80B50)	>44,000 hours
Storage Temperature	-40°C~ 65°C
Operating Temperature	-40°C~ 65°C

Photometry

AIR10103D-24-930-100

LEDLINE AIR 1010, 3D bending, 24V, RA90, 3000K, 10W/M



Zonal Lumen Summary

Zone	Lumen	% Fixture
0-30	242.5	26.1%
0-40	396.6	42.7%
0-60	701.8	75.5%
0-90	912.9	98.2%
0-180	929.2	100.0%

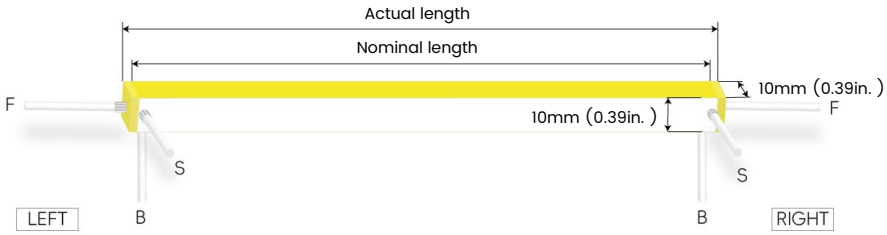
LEDLINE AIR 1010 WHT - COMBO SYSTEM

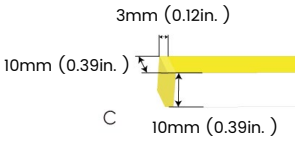
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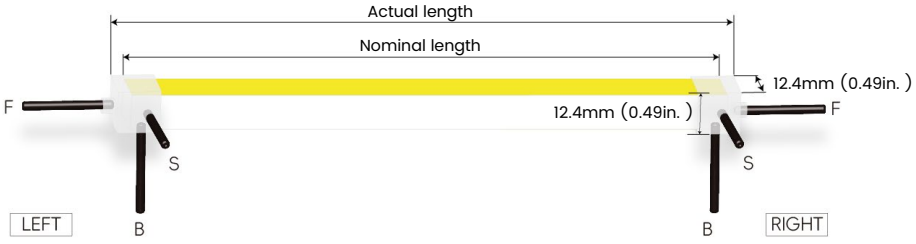
Feed Entry / End Cap Options

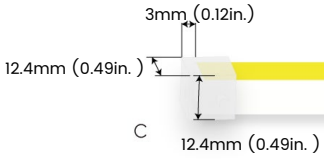
FT: Flush Translucent – IP67, factory-made only





Silicone end cap – IP67, for field cuttable only

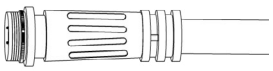




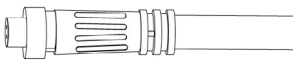
Connector Wire Options



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



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



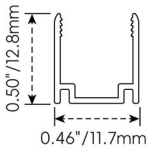
FC: Female connector, **Wet**
Standard 30cm(0.98ft), 20 AWG

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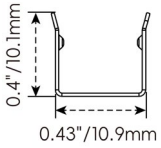
Mounting Options



AC023-APU

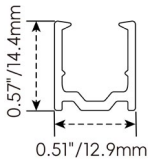
Name	Straight surface profile
Material	Aluminum
Standard Length	1M (3.28ft)




AC023-CR

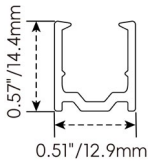
Name	Bendable surface profile
Material	Stainless Steel
Standard Length	500mm (1.64ft)
Min. Bend Diameter	100mm(3.94in.)
*Not suitable for upside-down installtion	





AC023-PCU

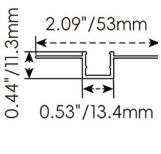
Name	PC profile
Material	PC
Standard Length	1M (3.28ft)






AC023-CPCU

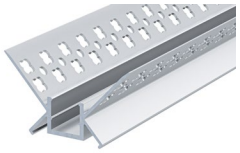
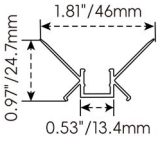
Name	Bendable PC profile
Material	PC
Standard Length	1M (3.28ft)
Min. Bend Diameter	100mm(3.94in.)



AC023-LP

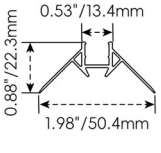
Name	Mud-in profile
Material	Aluminum
Standard Length	1M (3.28ft)



AC023-ICP

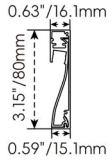
Name	Inside corner profile
Material	Aluminum
Standard Length	1M (3.28ft)



AC023-OCP

Name	Outside corner profile
Material	Aluminum
Standard Length	1M (3.28ft)



AC023-SP

Name	Skirting board profile
Material	Aluminum
Standard Length	1M (3.28ft)

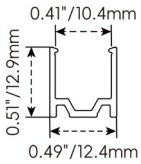
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Clip Options



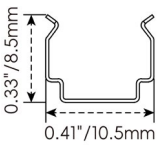




AC025-MC

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





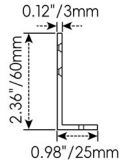


AC025-SET

Name	Mounting clip
Material	Stainless Steel
Standard Length	7mm(0.28in.)
*Not suitable for upside-down installtion	

Bracket Options





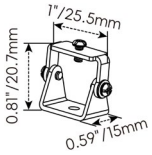




AC167-SET-LA

Name	L-shaped mounting bracket
Material	Aluminum
Standard Length	20mm(0.79in.)
* AC167-SET-LA must be installed with AC023-AP	









AC167-AMB

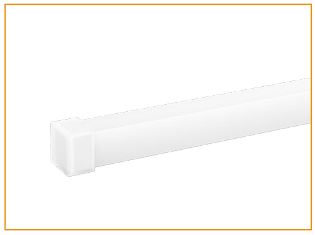
Name	Adjustable mounting clip
Material	Stainless steel
Standard Length	25.5mm (1 in.)
* AC167-AMB must be installed with AC023-AP	

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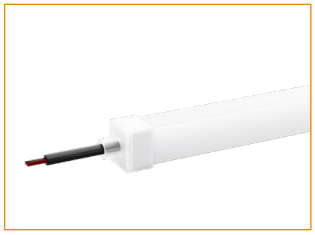
3D Bending · Static White

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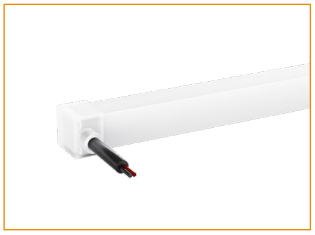
Silicone End Caps (Optional, purchase for extra)



AD025A
Silicone closed end cap



AD025-2-F
Silicone end cap front entry with 30cm(0.98ft) cable, 2 pin



AD025-2-S
Silicone end cap side entry with 30cm(0.98ft) cable, 2 pin



AD025-2-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



AF001-1
1 Adjustable angle scissors set,
with 4 spare blades

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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

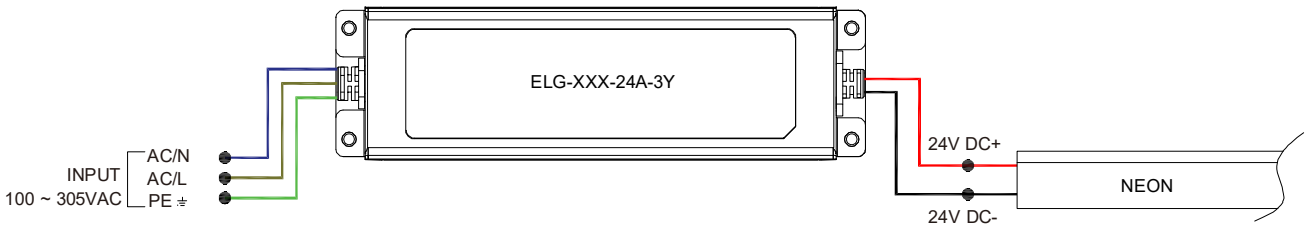
Code	Max Load	Input	Output	Environment	Size (L x W x H)
ELG-150-24B-3Y	150W	100-305VAC	24V	Dry/Damp/IP67	219 * 63 * 35.5 mm

DALI-dimmable

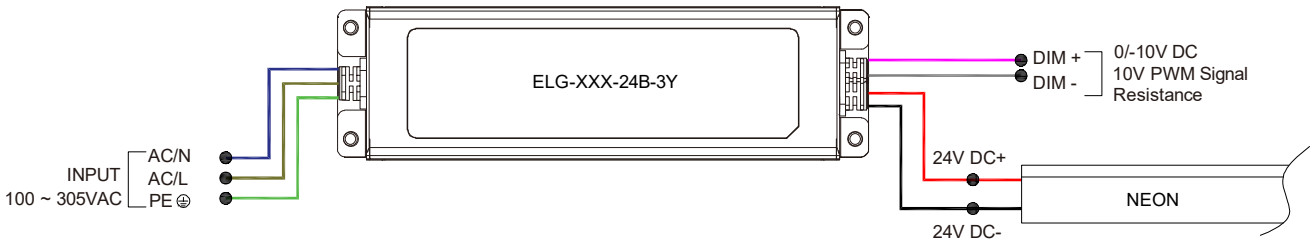
Code	Max Load	Input	Output	Environment	Size (L x W x H)
ELG-150-24DA-3Y	150W	100-305VAC	24V	Dry/Damp/IP67	219 * 63 * 35.5 mm

Wiring Diagram

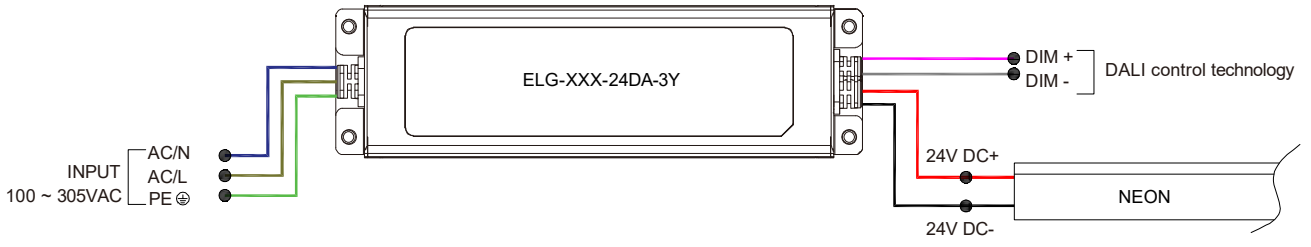
Non-dimmable



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