

ARCUS SPEC 3D LARGE – COMBO SYSTEM

(Standard Cut + Free Cut Finishing Piece)

3D Bending · Static White

Features

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

The system is suitable for indoor and outdoor applications, and delivers exceptional performance with a CRI over 95, brightness of up to 902 lm/m, and 1-step binning, ensuring robustness and design flexibility.

Applications

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



Date

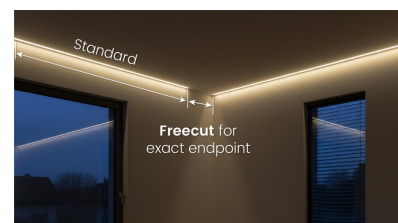
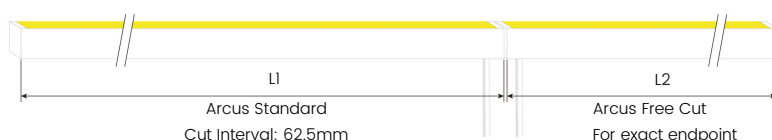
Fixture type

Project name

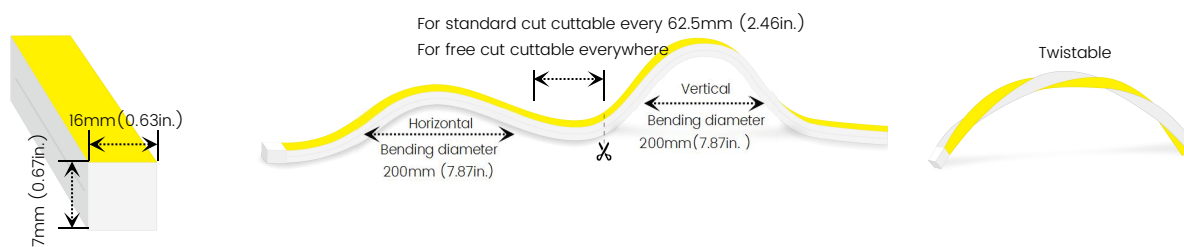
Project phase



Combo System



Dimensions



Order Code

Model	Environment	Voltage	CCT	Power	End Cap	Left Feed Entry
AS3DL	D4-Dry (IP54)	24-DC24V	27-2700K	100-10W/M	IJ	F Front OW Open wire 30cm B Bottom MC Male connector with 30cm cable S Side FC Female connector with 30cm cable C Closed NA Only for Closed Feed Entry
	W7-Wet (IP67)		30-3000K		IJC	
			35-3500K		SEC	
			40-4000K			

*Injected and clear injected end cap are factory-made only.

Assembly Builder

Assembly Builder

Right Feed Entry			Length	
F	Front	OW	Open wire 30cm	Max nominal 5m
B	Bottom	MC	Male connector with 30cm cable	Increment 62.5mm
S	Side	FC	Female connector with 30cm cable	
C	Closed	NA	Only for Closed Feed Entry	

*We will manufacture to the requested length considering the increment length.

Mounting Order Code

Product Code
Please select on the Mounting Options page.

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Lumen Output (lm/ft)

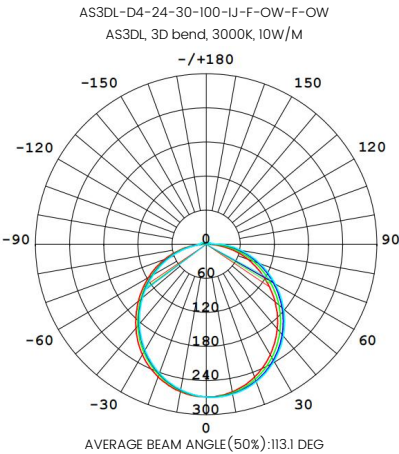
Temp./Color	10W/M	
■ 2700K	820	
■ 3000K	853	
■ 3500K	893	
■ 4000K	902	
Max. Run for Class 2*	5m ¹	4m ²
Storage Temperature	-40°C~ 60°C	
Operating Temperature	-40°C~ 45°C	

1. Max run for standard cut.
2. Max run for Free cut.

Technical Details

Efficacy	90.2lm/w @4000K 10W
CRI	CRI>95
Beam Angle	120°
LED MacAdam	1 steps
Average Life(L70)	> 44,000 hours
Max. Length Per Reel	10M
Finish	Matte

Photometry

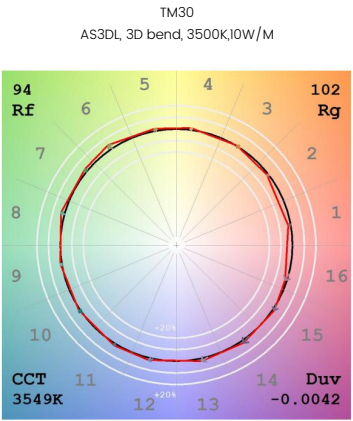


Zonal Lumen Summary 3000K

Zone	Lumen	% Fixture
0~30	207.8	25.2%
0~40	339.9	41.2%
0~60	603.2	73.2%
0~90	798.0	96.8%
0~180	824.5	100%

UNIT: CD

- C0/180, 111.6
— C30/210, 112.6
— C60/240, 113.9
— C90/270, 114.4



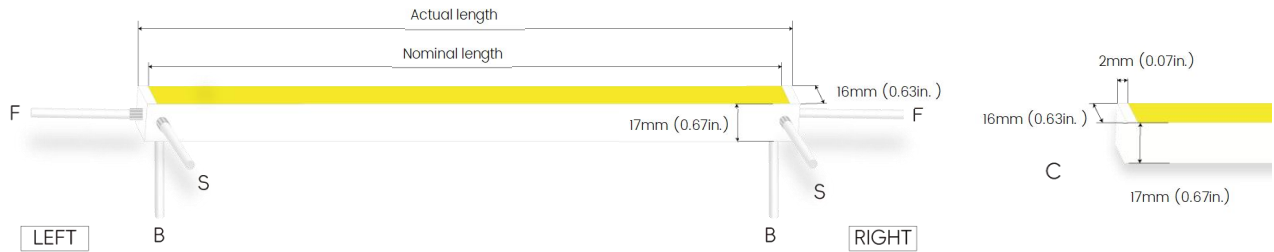
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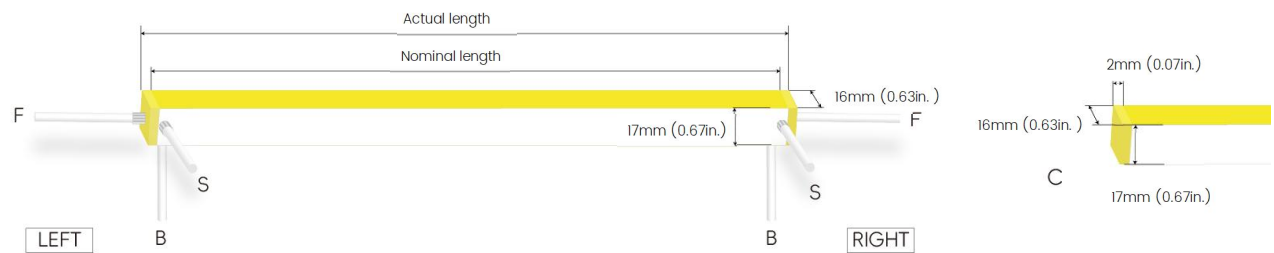
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Feed Entry / End Cap Options

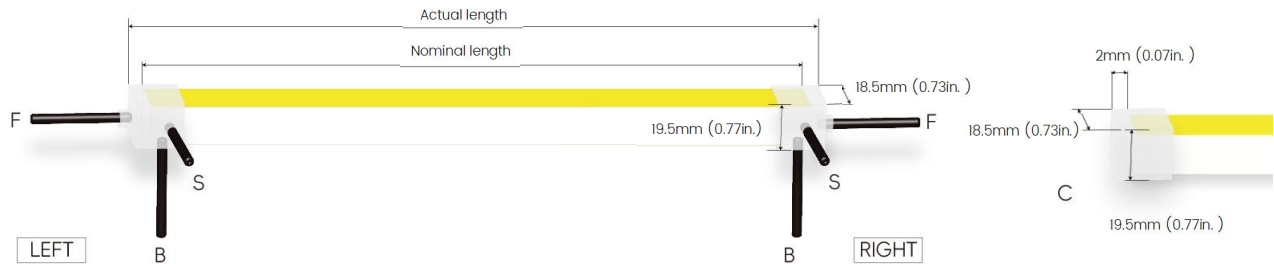
IJ: Injected end cap – IP54/IP67, factory-made only



IJC: Clear injected end cap – IP54/IP67, factory-made only



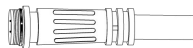
SEC: Silicone end cap – IP54/IP67



Connector Wire Options



OW: Open wire, **Dry only**
Standard 30cm (0.98ft), 18 AWG (wire length customizable)



MC: Male connector, **Wet**
Standard 30cm (0.98ft), 18 AWG



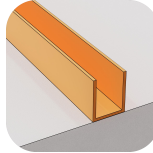
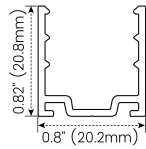
FC: Female connector, **Wet**
Standard 30cm (0.98ft), 18 AWG

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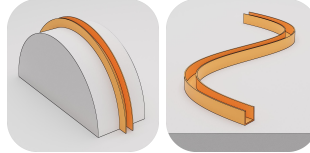
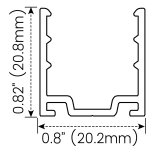
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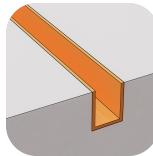
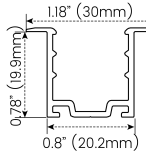
Mounting Options

**ARCUS-L-SC**

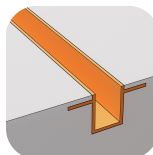
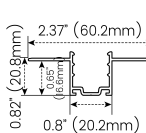
Name	Straight surface channel
Material	Aluminum
Standard Length	1M (3.28ft)

**ARCUS-L-BC**

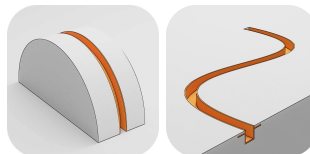
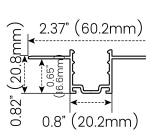
Name	Bendable surface channel
Material	Aluminum
Standard Length	1M (3.28ft)
Min. bending radius	600mm

**ARCUS-L-RC**

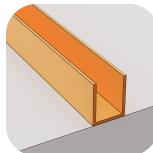
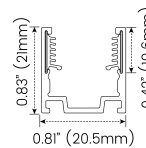
Name	Straight recessed channel
Material	Aluminum
Standard Length	1M (3.28ft)

**ARCUS-L-MC**

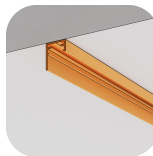
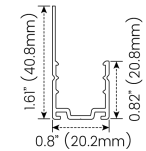
Name	Mud-in channel
Material	Aluminum
Standard Length	1M (3.28ft)

**ARCUS-L-BMC**

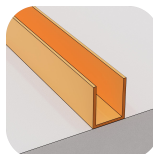
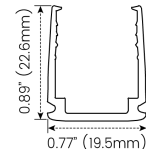
Name	Bendable mud-in channel
Material	Aluminum
Standard Length	1M (3.28ft)
Min. bending radius	600mm

**ARCUS-L-SCS**

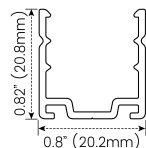
Name	Straight surface channel with silicone groove
Material	Aluminum
Standard Length	1M (3.28ft)

**ARCUS-L-LBC**

Name	Light-block channel
Material	Aluminum
Standard Length	1M (3.28ft)

**ARCUS-L-PC**

Name	PC channel
Material	Polycarbonate
Standard Length	1M (3.28ft)

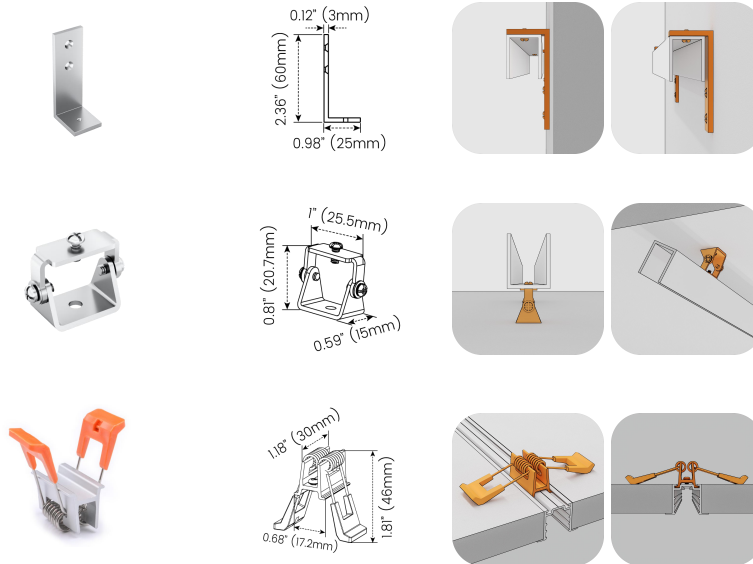
**ARCUS-L-CL**

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

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ARCUS-L-LS

Name	L-shaped mounting bracket
Material	Aluminum
Standard Length	20mm (0.79in.)
* ARCUS-L-LS can be installed with aluminum channel ARCUS-L-SC.	

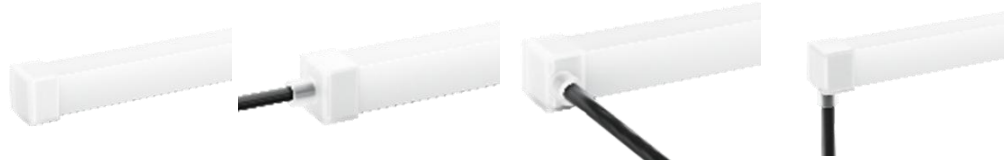
ARCUS-L-AC

Name	Adjustable mounting clip
Material	Stainless steel
Standard Length	25.5mm (1 in.)
* ARCUS-L-LS can be installed with aluminum channel ARCUS-L-SC.	

ARCUS-L-RC-SPC

Name	Spring clip
Standard Pkg	1pcs
* ARCUS-L-RC-SPC must be installed with aluminum channel ARCUS-L-RC.	

End Caps (Optional, purchase for extra)



Additional Accessories (Optional, purchase for extra)



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Drivers

Non-dimmable

Code	Max Load	Input	Output	Environment	Size (L x W x H)
XLG-150-24-A	150W	100-305VAC	24V	Dry/Damp/IP67	180 * 63 * 35.5 mm
LPV-150-24	150W	100-277VAC		Dry/Damp/IP67	148 * 40 * 30 mm
LRS-150-24	150W	85-132VAC / 170-264VAC		Dry	99 * 97 * 30 mm

3 in 1-dimmable

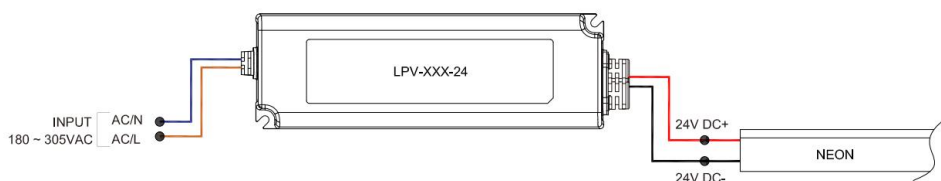
Code	Max Load	Input	Output	Environment	Size (L x W x H)
ELG-150-24B-3Y	150W	100-305VAC	24V	Dry/Damp/IP67	219 * 63 * 35.5 mm
PWM-120-24	120W	90-305VAC / 127-431VAC		Dry/Damp/IP67	191 * 63 * 37.5 mm

DALI control technology

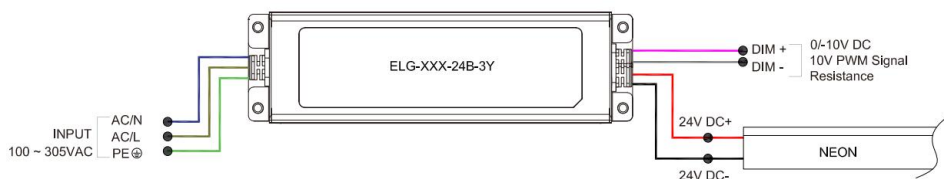
Code	Max Load	Input	Output	Environment	Size (L x W x H)
ELG-150-24DA-3Y	150W	100-305VAC	24V	Dry/Damp/IP67	219 * 63 * 35.5 mm

Wiring Diagram

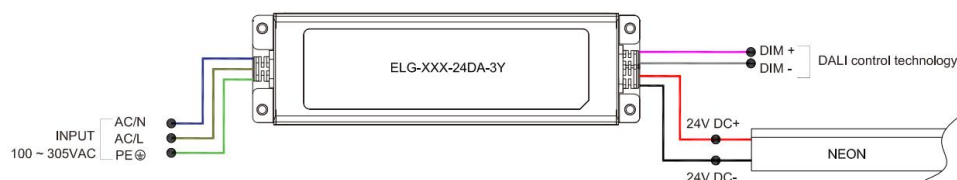
Non-dimmable



3 in 1-dimmable



DALI Control Technology



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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	10 AWG	12 AWG	14 AWG	16 AWG	18 AWG	20 AWG	22 AWG
5W / 0.2A	527.3 m	238.9 m	121.0 m	80.2 m	53.3 m	39.9 m	32.6 m
10W / 0.4A	263.6 m	119.4 m	60.7 m	40.2 m	26.8 m	20.1 m	16.5 m
15W / 0.6A	175.9 m	79.6 m	40.2 m	26.8 m	17.7 m	13.4 m	11.0 m
20W / 0.8A	132.0 m	59.7 m	30.2 m	20.1 m	13.4 m	10.1 m	8.2 m
25W / 1.0A	105.5 m	47.9 m	24.1 m	16.2 m	10.7 m	7.9 m	6.7 m
30W / 1.3A	88.1 m	39.9 m	20.1 m	13.4 m	8.8 m	6.7 m	5.5 m
35W / 1.5A	75.6 m	34.1 m	17.4 m	11.6 m	7.6 m	5.8 m	4.6 m
40W / 1.7A	66.1 m	29.9 m	15.2 m	10.1 m	6.7 m	4.9 m	4.0 m
45W / 1.9A	58.5 m	26.5 m	13.4 m	8.8 m	5.8 m	4.3 m	3.7 m
50W / 2.1A	52.7 m	23.8 m	12.2 m	7.9 m	5.5 m	4.0 m	3.4 m
55W / 2.3A	47.9 m	21.6 m	11.0 m	7.3 m	4.9 m	3.7 m	3.0 m
60W / 2.5A	43.9 m	19.8 m	10.1 m	6.7 m	4.6 m	3.4 m	2.7 m
65W / 2.7A	40.5 m	18.3 m	9.1 m	6.1 m	4.3 m	3.0 m	2.4 m
70W / 2.9A	37.8 m	17.1 m	8.5 m	5.8 m	4.0 m	3.0 m	2.4 m
75W / 3.1A	35.4 m	15.9 m	7.9 m	5.2 m	3.7 m	2.7 m	2.1 m
80W / 3.3A	33.2 m	14.9 m	7.6 m	4.9 m	3.4 m	2.4 m	2.1 m
85W / 3.5A	31.4 m	14.0 m	7.0 m	4.6 m	3.0 m	2.4 m	1.8 m
90W / 3.8A	29.6 m	13.4 m	6.7 m	4.6 m	3.0 m	2.1 m	1.8 m
96W / 4.0A	27.7 m	12.5 m	6.4 m	4.3 m	2.7 m	2.1 m	1.8 m