

ARCUS CORE 3D MEDIUM - 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 90, brightness of up to 880 lm/m, ensuring robustness and design flexibility.

Applications

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



Date

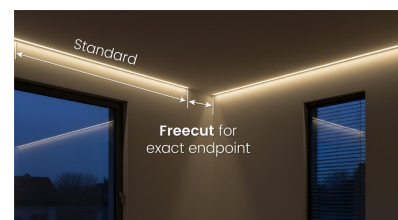
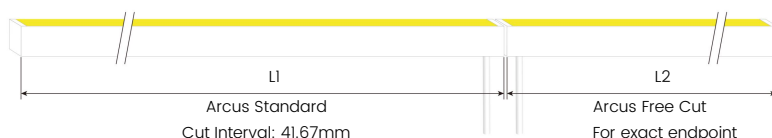
Fixture type

Project name

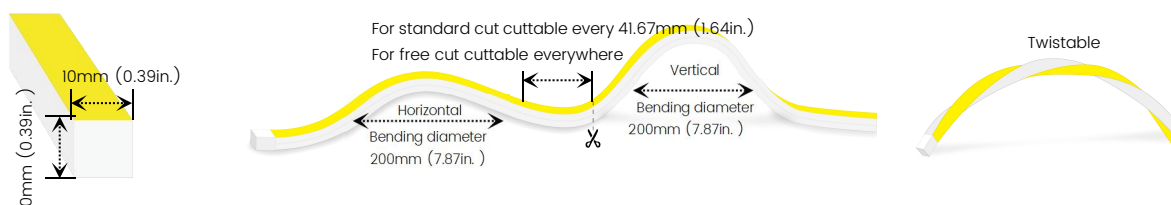
Project phase



Combo System



Dimensions



Order Code

Model	Environment	Voltage	CCT	Power	End Cap	Left Feed Entry
AC3DM	D4-Dry (IP54) W7-Wet (IP67)	24-DC24V	22-2200K 27-2700K 30-3000K 35-3500K 40-4000K	100-10W/M	IJ Injected (IP54/IP67) IJC Clear injected (IP54/IP67) SEC Silicone (IP54/IP67)	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

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

Assembly Builder

Assembly Builder

Right Feed Entry	Length
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	Max. nominal 5m Increment 41.67mm

*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)

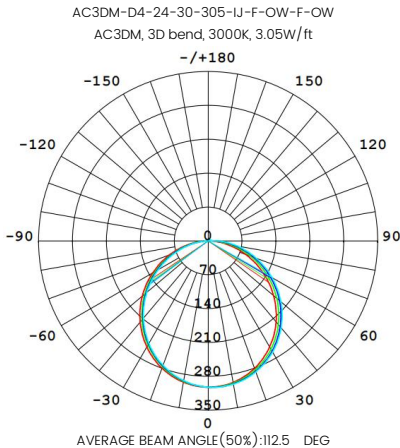
Temp./Color	10W/M
■ 2200K	700
■ 2700K	800
■ 3000K	840
■ 3500K	880
■ 4000K	880
Max. Run for Class 2*	5m ¹ 4m ²
Storage Temperature	-40°C- 60°C
Operating Temperature	-40°C- 45°C

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

Technical Details

Efficacy	87.8lm/W @4000K 10W
CRI	Ra≥90
Beam Angle	120°
LED MacAdam	3 steps
Average Life(L70)	> 44,000 hours
Max. Length Per Reel	10M
Finish	Matte

Photometry



Zonal Lumen Summary 3000K

Zone	Lumen	% Fixture
0-30	234.1	26.1%
0-40	383.0	42.7%
0-60	677.6	75.5%
0-90	880.2	98.1%
0-180	897.2	100%

- UNIT: CD
- C0/180, 111.5
 - C30/210, 112.1
 - C60/240, 113.0
 - C90/270, 113.4

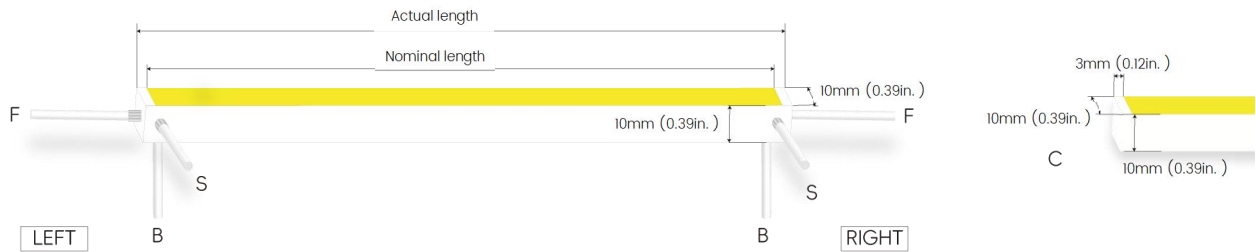
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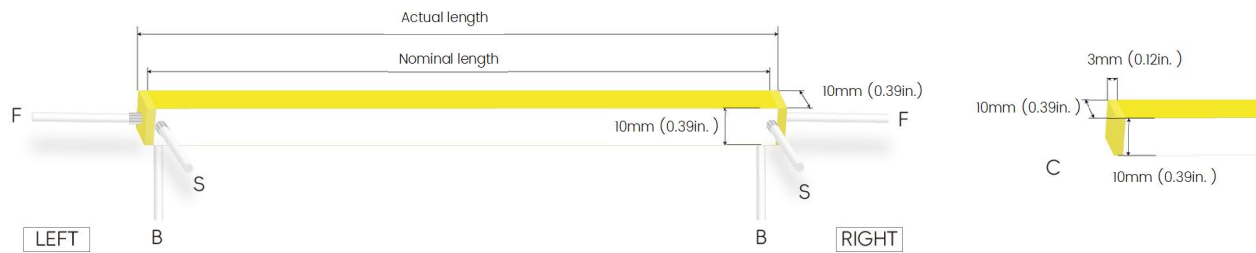
(Standard Cut + Free Cut Finishing Piece)

Feed Entry / End Cap Options

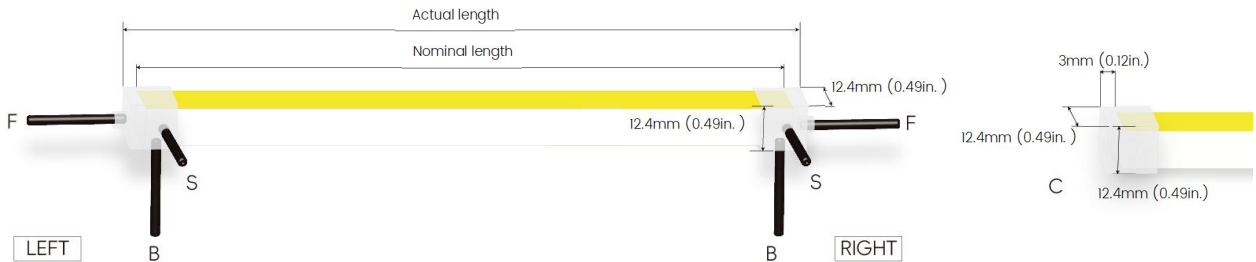
IJ: Injected end cap – IP54/IP67, factory-made only



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), 20 AWG (wire length customizable)



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



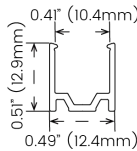
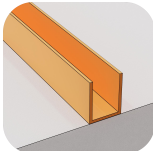
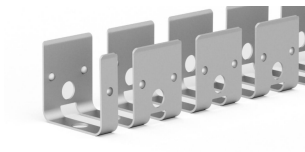
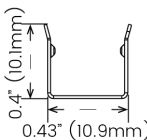
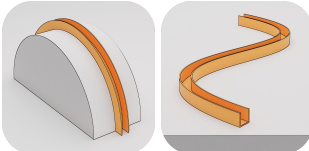
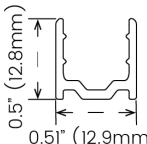
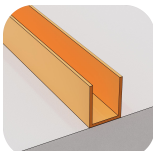
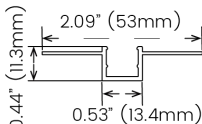
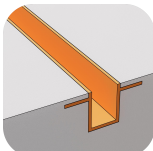
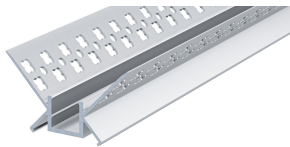
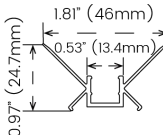
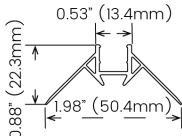
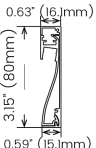
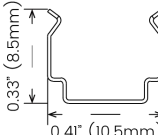
FC: Female connector, **Wet**
Standard 0.98ft (30cm), 20 AWG

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Mounting Options

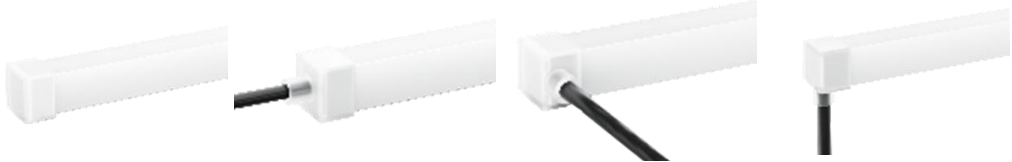
			ARCUS-M-SC <table><tr><td>Name</td><td>Straight surface channel</td></tr><tr><td>Material</td><td>Aluminum</td></tr><tr><td>Standard Length</td><td>1M (3.28ft)</td></tr></table>	Name	Straight surface channel	Material	Aluminum	Standard Length	1M (3.28ft)		
Name	Straight surface channel										
Material	Aluminum										
Standard Length	1M (3.28ft)										
			ARCUS-M-BC <table><tr><td>Name</td><td>Bendable surface channel</td></tr><tr><td>Material</td><td>Stainless Steel</td></tr><tr><td>Standard Length</td><td>1M (3.28ft)</td></tr><tr><td>Min. bending radius</td><td>600mm</td></tr></table>	Name	Bendable surface channel	Material	Stainless Steel	Standard Length	1M (3.28ft)	Min. bending radius	600mm
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Material	Stainless Steel										
Standard Length	1M (3.28ft)										
Min. bending radius	600mm										
			ARCUS-M-PC <table><tr><td>Name</td><td>PC channel</td></tr><tr><td>Material</td><td>PC</td></tr><tr><td>Standard Length</td><td>1M (3.28ft)</td></tr></table>	Name	PC channel	Material	PC	Standard Length	1M (3.28ft)		
Name	PC channel										
Material	PC										
Standard Length	1M (3.28ft)										
			ARCUS-M-MC <table><tr><td>Name</td><td>Mud-in channel</td></tr><tr><td>Material</td><td>Aluminum</td></tr><tr><td>Standard Length</td><td>1M (3.28ft)</td></tr></table>	Name	Mud-in channel	Material	Aluminum	Standard Length	1M (3.28ft)		
Name	Mud-in channel										
Material	Aluminum										
Standard Length	1M (3.28ft)										
			ARCUS-M-IC <table><tr><td>Name</td><td>Inside corner channel</td></tr><tr><td>Material</td><td>Aluminum</td></tr><tr><td>Standard Length</td><td>1M (3.28ft)</td></tr></table>	Name	Inside corner channel	Material	Aluminum	Standard Length	1M (3.28ft)		
Name	Inside corner channel										
Material	Aluminum										
Standard Length	1M (3.28ft)										
			ARCUS-M-OC <table><tr><td>Name</td><td>Outside corner channel</td></tr><tr><td>Material</td><td>Aluminum</td></tr><tr><td>Standard Length</td><td>1M (3.28ft)</td></tr></table>	Name	Outside corner channel	Material	Aluminum	Standard Length	1M (3.28ft)		
Name	Outside corner channel										
Material	Aluminum										
Standard Length	1M (3.28ft)										
			ARCUS-M-SBC <table><tr><td>Name</td><td>Skirting board channel</td></tr><tr><td>Material</td><td>Aluminum</td></tr><tr><td>Standard Length</td><td>1M (3.28ft)</td></tr></table>	Name	Skirting board channel	Material	Aluminum	Standard Length	1M (3.28ft)		
Name	Skirting board channel										
Material	Aluminum										
Standard Length	1M (3.28ft)										
			ARCUS-M-CL <table><tr><td>Name</td><td>Mounting clip</td></tr><tr><td>Material</td><td>Aluminum</td></tr><tr><td>Standard Length</td><td>7mm (0.28in.)</td></tr></table>	Name	Mounting clip	Material	Aluminum	Standard Length	7mm (0.28in.)		
Name	Mounting clip										
Material	Aluminum										
Standard Length	7mm (0.28in.)										

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End Caps (Optional, purchase for extra)



ARCUS-M-SEC-C
Silicone closed end cap

ARCUS-M-SEC-F-2P
Silicone end cap front entry with 30cm (0.98ft) cable, 2 pin

ARCUS-M-SEC-S-2P
Silicone end cap side entry with 30cm (0.98ft) cable, 2 pin

ARCUS-M-SEC-B-2P
Silicone end cap bottom entry with 30cm (0.98ft) cable, 2 pin

Additional Accessories (Optional, purchase for extra)



MCW-2P-67
Male connector with 30cm (0.98ft) white cable, 2 pin, IP67, Wet, 20 AWG

FCW-2P-67
Female connector with 30cm (0.98ft) white cable, 2 pin, IP67, Wet, 20 AWG

MCB-2P-67
Male connector with 30cm (0.98ft) black cable, 2 pin, IP67, Wet, 20 AWG

FCB-2P-67
Female connector with 30cm (0.98ft) black cable, 2 pin, IP67, Wet, 20 AWG

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

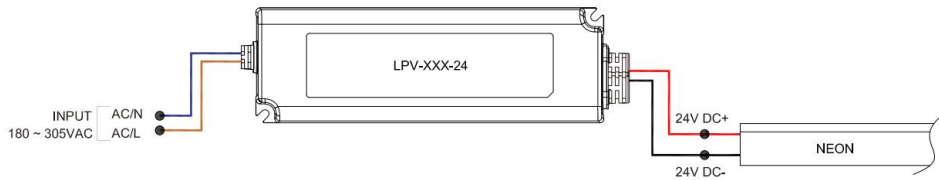
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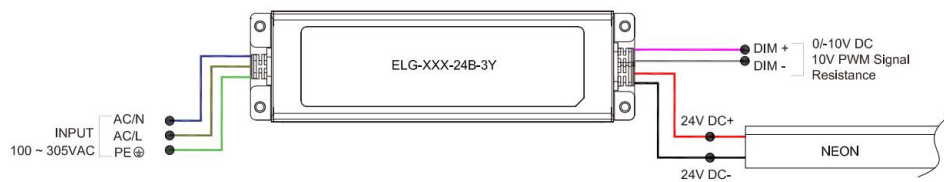
(Standard Cut + Free Cut Finishing Piece)

Wiring Diagram

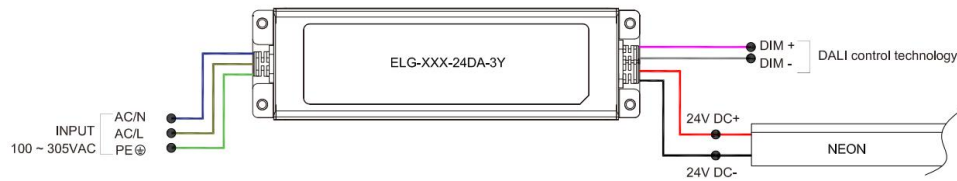
Non-dimmable



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