

ARCUS SPEC 3D MEDIUM – COMBO SYSTEM

3D Bending · Static White

(Standard Cut + Free Cut Finishing Piece)

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 795 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.



ROHS

ONE
BIN

DIM

24V
DC

Date

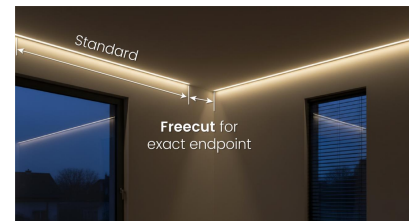
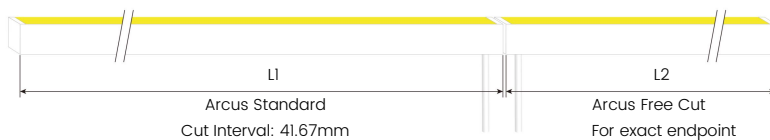
Fixture type

Project name

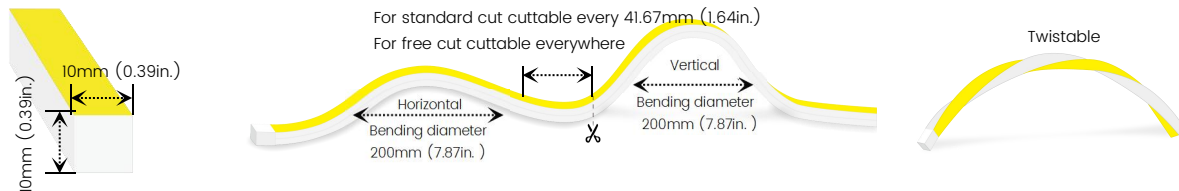
Project phase



Combo System



Dimensions



Order Code

Model	Environment	Voltage	CCT	Power	End Cap	Left Feed Entry
AS3DM	D4-Dry (IP54) W7-Wet (IP67)	24-DC24V	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	Max. nominal	5m
B	Bottom	MC	Male connector with 30cm cable	Increment	41.67mm
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.

ARCUS SPEC 3D MEDIUM – COMBO SYSTEM

3D Bending · Static White

(Standard Cut + Free Cut Finishing Piece)

Lumen Output (lm/ft)

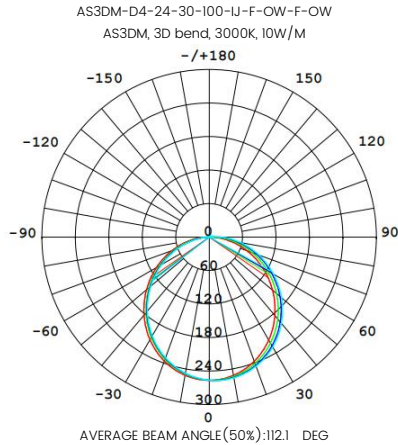
Temp./Color	10W/M	
2700K	720	
3000K	758	
3500K	789	
4000K	795	
Max. Run for Class 2*	5m ¹	4m ²
Storage Temperature	-40°C- 60°C	
Operating Temperature	-40°C- 45°C	

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

Technical Details

Efficacy	79.3lm/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

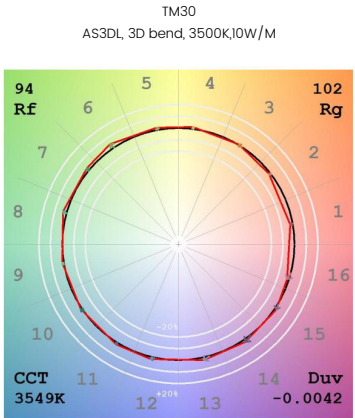
Photometry



Zonal Lumen Summary 3000K

Zone	Lumen	% Fixture
0-30	198.0	26%
0-40	323.4	42.5%
0-60	571.5	75%
0-90	747.1	98.1%
0-180	761.8	100%

UNIT: CD
— C0/180, 110.6
— C30/210, 111.5
— C60/240, 112.9
— C90/270, 113.5



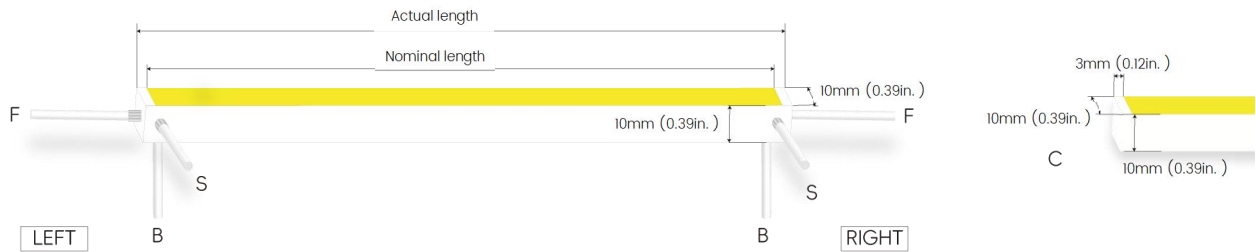
ARCUS SPEC 3D MEDIUM – COMBO SYSTEM

3D Bending · Static White

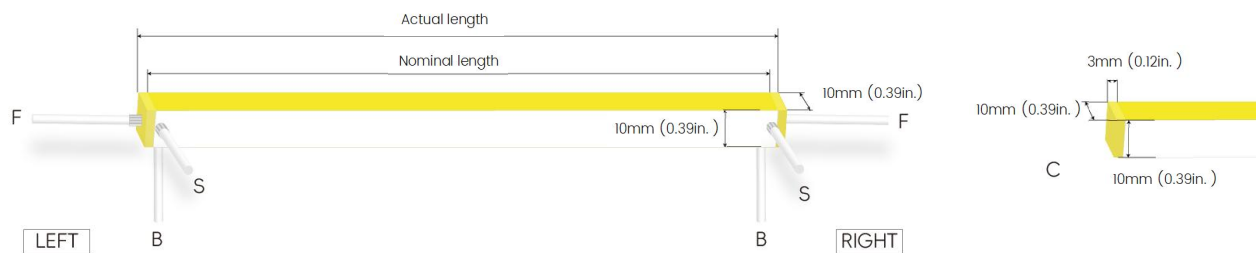
(Standard Cut + Free Cut Finishing Piece)

Feed Entry / End Cap Options

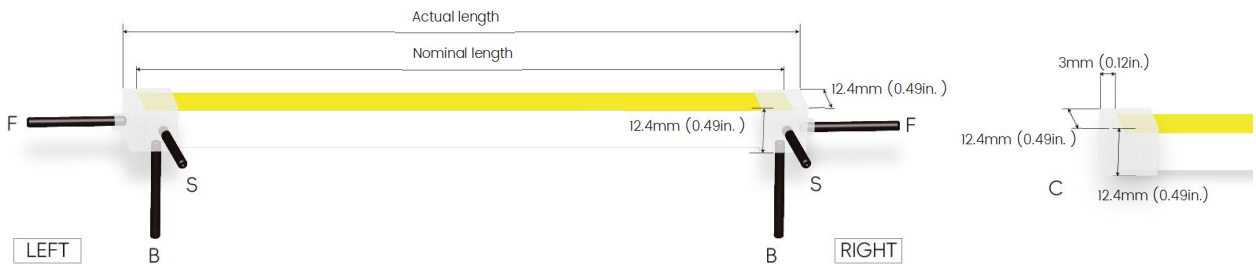
IJ: Injected end cap – IP54/IP67, factory-made only



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 1m (3.28ft), 20 AWG (wire length customizable)



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



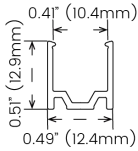
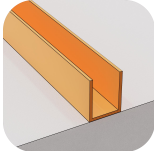
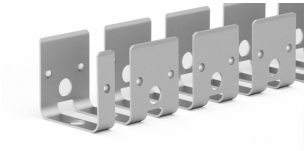
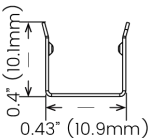
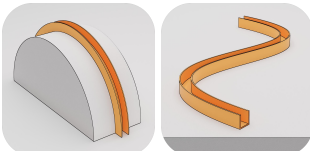
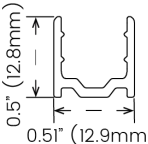
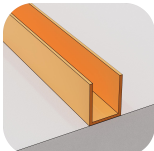
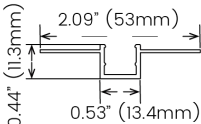
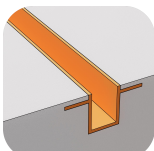
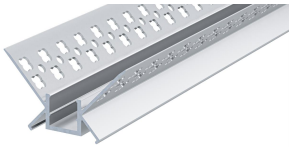
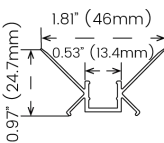
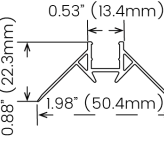
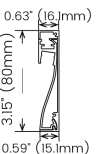
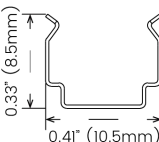
FC: Female connector, **Wet**
Standard 30cm (0.98ft), 20 AWG

ARCUS SPEC 3D MEDIUM – COMBO SYSTEM

(Standard Cut + Free Cut Finishing Piece)

3D Bending · Static White

Mounting Options

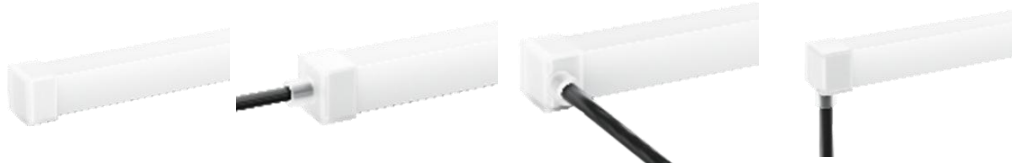
			ARCUS-M-SC Name Straight surface channel Material Aluminum Standard Length 1M (3.28ft)
			ARCUS-M-BC Name Bendable surface channel Material Stainless Steel Standard Length 1M (3.28ft) Min. bending radius 600mm
			ARCUS-M-PC Name PC channel Material PC Standard Length 1M (3.28ft)
			ARCUS-M-MC Name Mud-in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

ARCUS SPEC 3D MEDIUM – COMBO SYSTEM

3D Bending · Static White

(Standard Cut + Free Cut Finishing Piece)

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

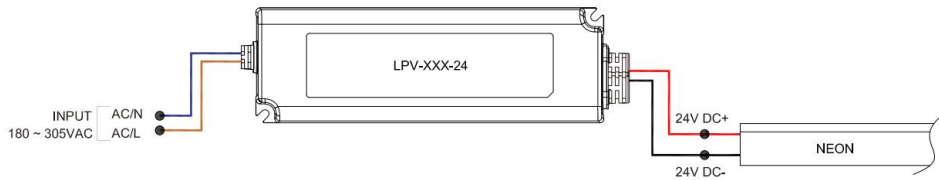
ARCUS SPEC 3D MEDIUM – COMBO SYSTEM

3D Bending · Static White

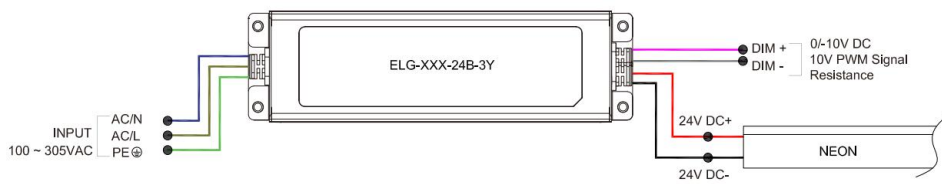
(Standard Cut + Free Cut Finishing Piece)

Wiring Diagram

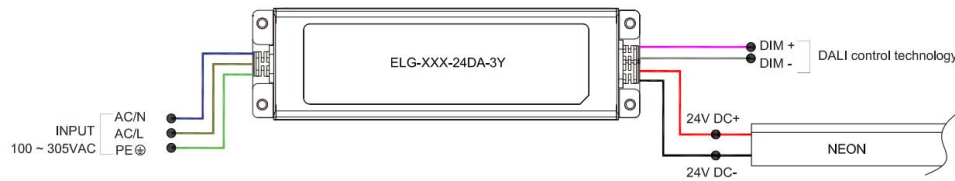
Non-dimmable



3 in 1-dimmable



DALI Control Technology



ARCUS SPEC 3D MEDIUM – COMBO SYSTEM

3D Bending · Static White

(Standard Cut + Free Cut Finishing Piece)

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