ARCUS SPEC 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 95, brightness of up to 861 lm/m, and 1-step binning, ensuring robustness and design flexibility.

Applications

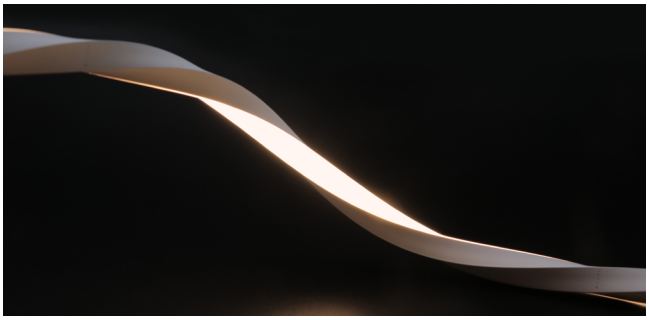
Living rooms, TV walls, feature walls, under-cabinet areas, staircases, ceiling coves, hallways, etc.

Date

Fixture type

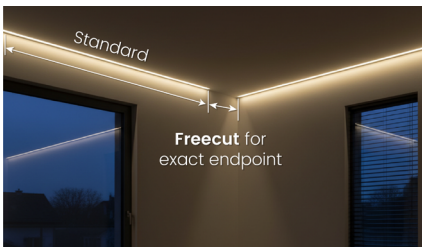
Project name

Project phase

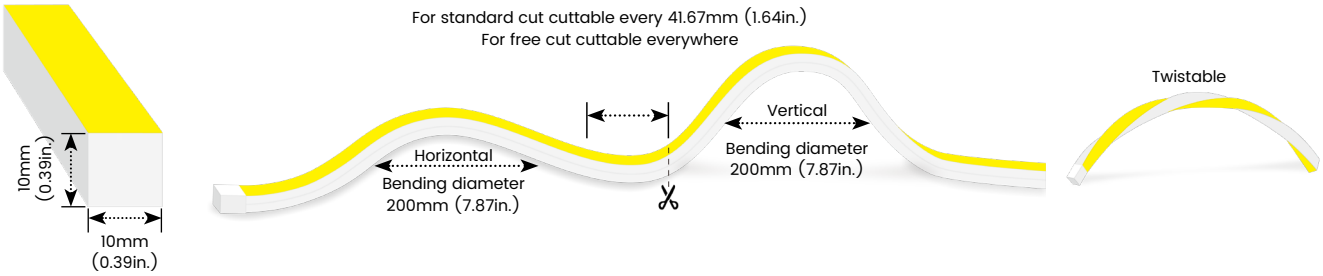


Combo System





Bending Directions & Diameters



Order Code

Model	Environment	Voltage	CCT	Power	End Cap	
AS3DM	**D5-Dry (IP54)**	**24V**-DC24V	**27K**-2700K	**100**-10W/M	**FT**	Flush Translucent
AS3DMFC	**W7-Wet(IP67)**		**30K**-3000K		**FO**	Flush Opaque
			35K-3500K			
			40K-4000K			

Assembly Builder

Left Feed Entry			
F	Front	**OW**	Open wire 300mm (11.81in.)
B	Bottom	**MC**	Male connector with 300mm (11.81in.) cable
S	Side	**FC**	Female connector with 300mm (11.81in.)cable
C	Closed	**NA**	Only for Closed Feed Entry

***AS3DMFC:** 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 300mm (11.81in.)
B	Bottom	**MC**	Male connector with 300mm (11.81in.) cable
S	Side	**FC**	Female connector with 300mm (11.81in.)cable
C	Closed	**NA**	Only for Closed Feed Entry

Length	
Max. nominal	5m(16.4ft)
Increment	41.67mm (1.64in.)

*We will list the nearest actual manufacturing length on the quotation, based on your requested 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/m)

CCT	10W/M
2700K	757
3000K	782
3500K	843
4000K	861
Max. Run for standard cut	5m
Max. run for Free cut	4m

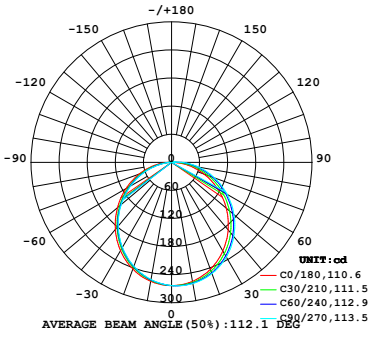
Techinical Details

Efficacy	78.2lm/W @3000K 10W
CRI	CRI>95
Beam Angle	120°
LED MacAdam	1 step
IK Rating	IK08 (with aluminium profile)
Average Life (L70B10)	>44,000 hours
Storage Temperature	-40°C~ 65°C
Operating Temperature	-40°C~ 65°C

Photometry

AS3DM-D5-24V-30K-100-FT-F-OW-F-OW

ARCUS SPEC 3D MEDIUM, 3D bending, 3000K, 10W/M

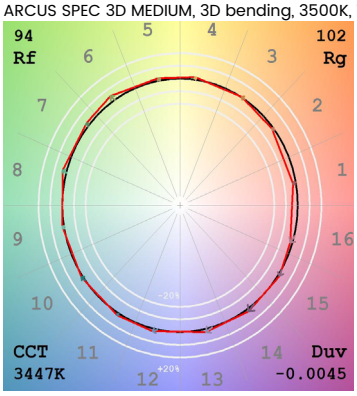


Zonal Lumen Summary

Zone	Lumen	% Fixture
0-30	203.3	26.0%
0-40	332.0	42.5%
0-60	586.7	75.0%
0-90	767.0	98.1%
0-180	782.1	100.0%

TM30

ARCUS SPEC 3D MEDIUM, 3D bending, 3500K, 10W/M



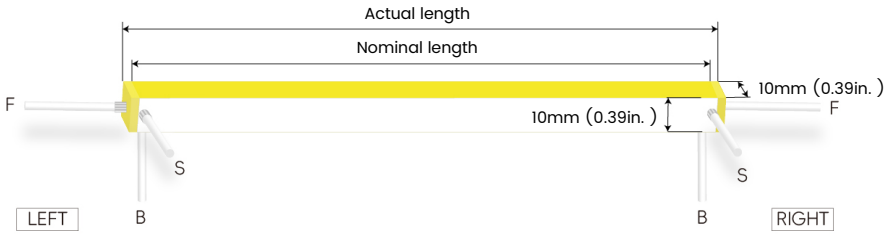
ARCUS SPEC 3D MEDIUM - COMBO SYSTEM

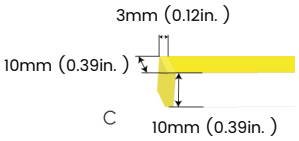
3D Bending · Static White

(Standard Cut + Free Cut Finishing Piece)

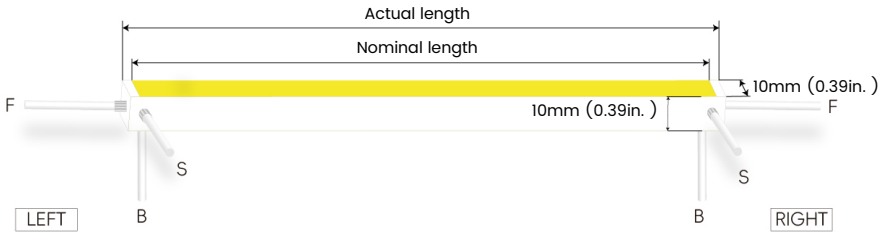
Feed Entry / End Cap Options

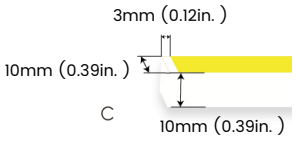
FT: Flush Translucent – IP67, factory-made only



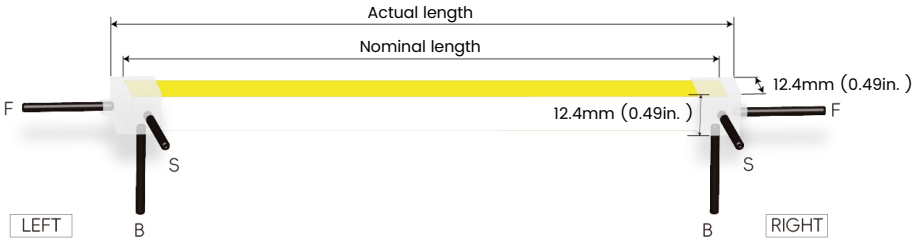


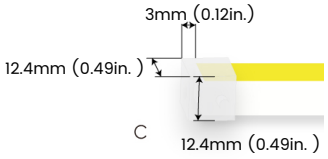
FO: Flush Opaque – IP67, factory-made only



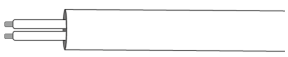


Silicone end cap – IP67, for field cuttable only

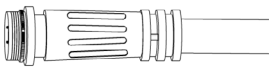




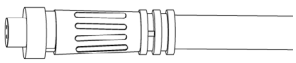
Connector Wire Options



OW: Open wire, **Dry only**
Standard 300mm (11.81in.),20 AWG,
wire length customizable



MC: Male connector, **Wet**
Standard 300mm (11.81in.), 20 AWG



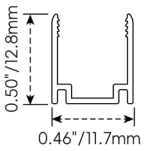
FC: Female connector, **Wet**
Standard 300mm (11.81in.), 20 AWG

ARCUS SPEC 3D MEDIUM - COMBO SYSTEM

3D Bending · Static White

(Standard Cut + Free Cut Finishing Piece)

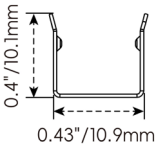
Mounting Options



NF1010-SC

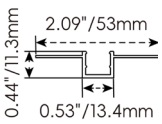
Name	Straight surface channel
Material	Aluminum
Standard Length	1m (3.28ft)




NF1010-BC

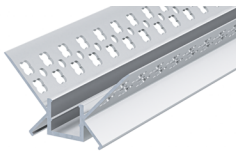
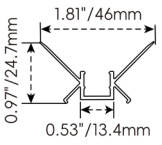
Name	Bendable surface channel
Material	Stainless Steel
Standard Length	1m (3.28ft)
Min. Bending Diameter	100mm(3.94in.)
*Not suitable for upside-down installation	



NF1010-MC

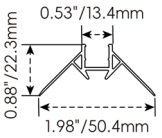
Name	Mud-in channel
Material	Aluminum
Standard Length	1m (3.28ft)



NF1010-IC

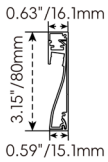
Name	Inside corner channel
Material	Aluminum
Standard Length	1m (3.28ft)



NF1010-OC

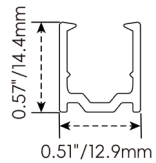
Name	Outside corner channel
Material	Aluminum
Standard Length	1m (3.28ft)



NF1010-SBC

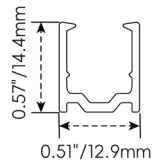
Name	Skirting board channel
Material	Aluminum
Standard Length	1m (3.28ft)





NF1010-PC

Name	PC channel
Material	PC
Standard Length	1m (3.28ft)






NF1010-BPC

Name	Bendable PC channel
Material	PC
Standard Length	1m (3.28ft)

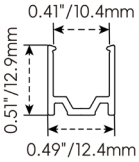
ARCUS SPEC 3D MEDIUM - COMBO SYSTEM

3D Bending · Static White

(Standard Cut + Free Cut Finishing Piece)

Mounting Options



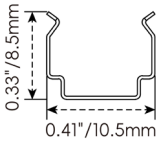




NF1010-CL

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







NF1010-CLS

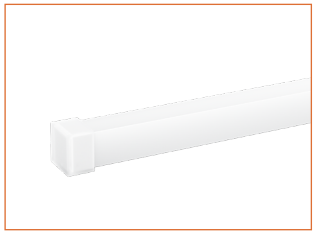
Name	Mounting clip
Material	Stainless Steel
Standard Length	7mm(0.28in.)
*Not suitable for upside-down installation	

ARCUS SPEC 3D MEDIUM - COMBO SYSTEM

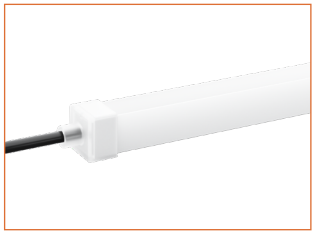
3D Bending · Static White

(Standard Cut + Free Cut Finishing Piece)

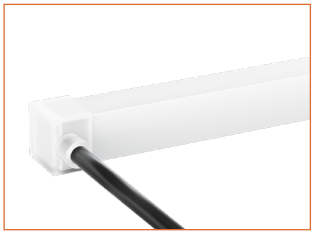
Silicone End Caps (Optional, purchase for extra)



NF1010-SEC-C
Silicone closed end cap



NF1010-SEC-F-2P
Silicone end cap front entry with 300mm (11.81in.) cable, 2 pin



NF1010-SEC-S-2P
Silicone end cap side entry with 300mm (11.81in.) cable, 2 pin



NF1010-SEC-B-2P
Silicone end cap bottom entry with 300mm (11.81in.) cable, 2 pin

Additional Accessories (Optional, purchase for extra)



MCW-2P-67
Male connector,
300mm (11.81in.)white cable,
2 pin, IP67, Wet, 20 AWG



FCW-2P-67
Female connector,
300mm (11.81in.) white cable,
2 pin, IP67, Wet, 20 AWG



MCB-2P-67
Male connector,
300mm (11.81in.) black cable,
2 pin, IP67, Wet, 20 AWG



FCB-2P-67
Female connector,
300mm (11.81in.) black cable,
2 pin, IP67, Wet, 20 AWG



ADJS
1 Adjustable Angle Scissors Set,
with 4 Spare Blades

ARCUS SPEC 3D MEDIUM - COMBO SYSTEM

3D Bending · Static White

(Standard Cut + Free Cut Finishing Piece)

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

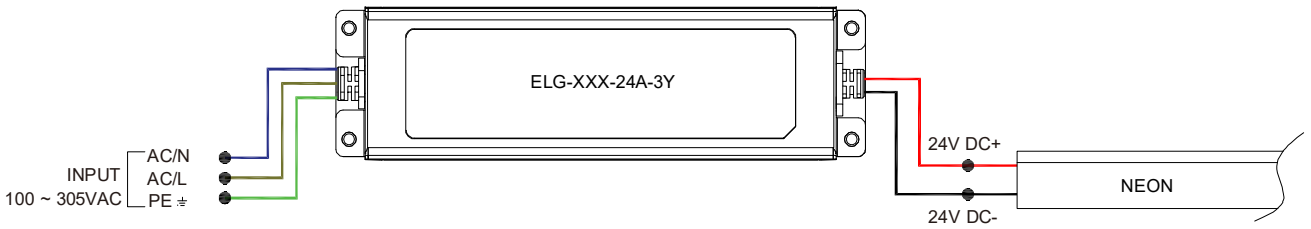
Code	Max Load	Input	Output	Environment	Size (L x W x H)
ELG-150-24B-3Y	150W	100-305VAC	24V	Dry/Damp/IP67	219 * 63 * 35.5 mm

DALI-dimmable

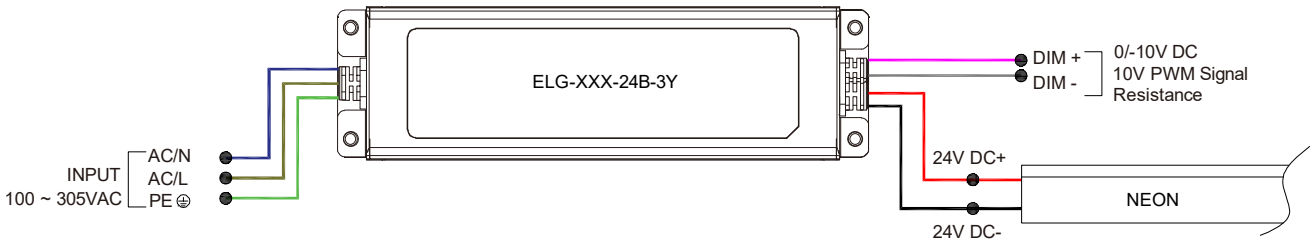
Code	Max Load	Input	Output	Environment	Size (L x W x H)
ELG-150-24DA-3Y	150W	100-305VAC	24V	Dry/Damp/IP67	219 * 63 * 35.5 mm

Wiring Diagram

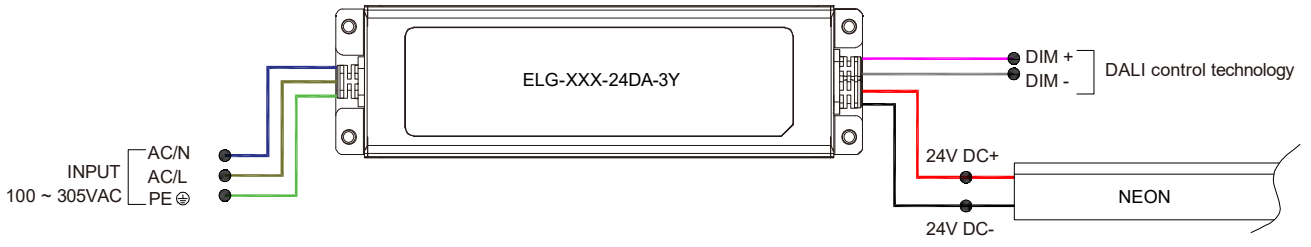
Non-dimmable



3 in 1-dimmable



DALI-dimmable



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	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