Beamever
ARCUS CORE 3D LARGE SC

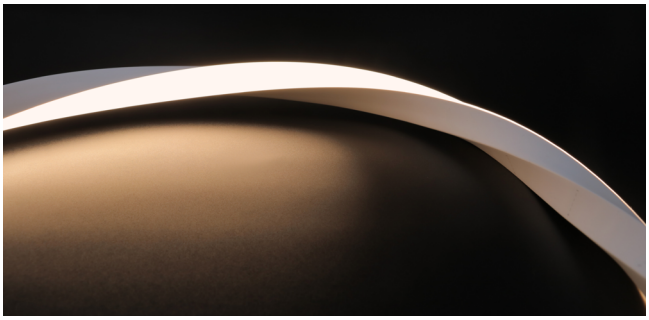
3D Bending · Tunable White

Features
- True 3D design, clean finish, tunable white 2700K to 3000K
- IP54/IP67 rated, ideal for indoor/outdoor uses
- 5 years warranty

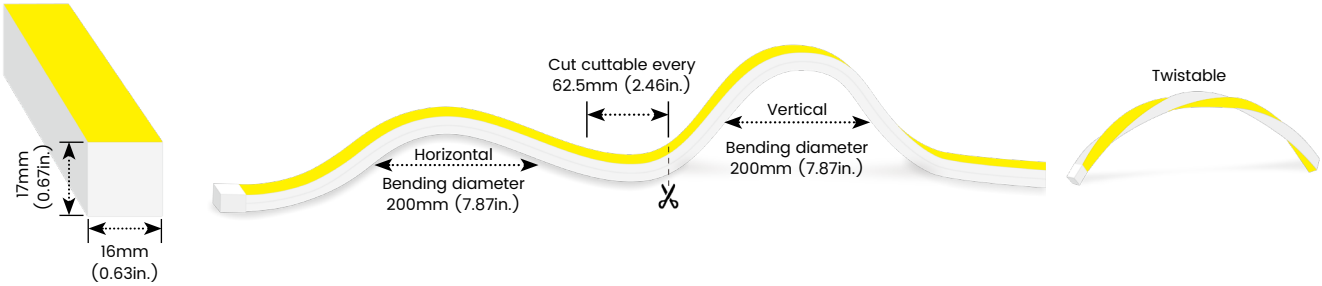
Date | Fixture type

Project name | Project phase

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



Bending Directions & Diameters



Order Code

Model	Environment	Voltage	CCT	Power	End Cap	Left Feed Entry
AC3DLSC	**D5-Dry (IP54)** **W7-Wet(IP67)**	**24V**-DC24V	**27K30K**-2700K+3000K	**100**-10W/M	**FT** Flush Translucent **FO** Flush Opaque	**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

Assembly Builder

Right Feed Entry				Length	
F	Front	**OW**	Open wire 300mm (11.81in.)	**Max. nominal**	5m(16.4ft)
B	Bottom	**MC**	Male connector with 300mm (11.81in.) cable	**Increment**	62.5mm(2.46in.)
S	Side	**FC**	Female connector with 300mm (11.81in.)cable		
C	Closed	**NA**	Only for Closed Feed Entry		

*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 CORE 3D LARGE SC

3D Bending · Tunable White

Lumen Output (lm/m)

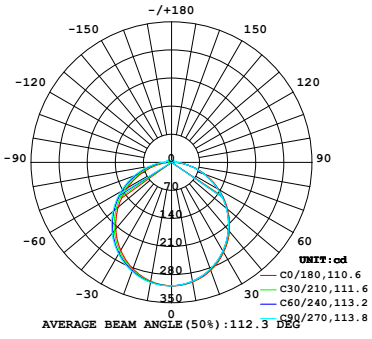
CCT	10W/M
2700K	920
3000K	960
2700K+3000K	930
Max. Run Length	5m

Techinical Details

Efficacy	93lm/W @2700K+3000K 10W
CRI	Ra≥90
Beam Angle	110°
LED MacAdam	3 step
IK Rating	IK10 (with aluminium profile)
Average Life (L70B10)	>44,000 hours
Storage Temperature	-40°C~ 65°C
Operating Temperature	-40°C~ 65°C

Photometry

AC3DLSC-D5-24V-27K30K-100-FT-F-OW-F-OW
ARCUS CORE 3D LARGE SC, 3D bending, 2700K+3000K, 10W/M



Zonal Lumen Summary

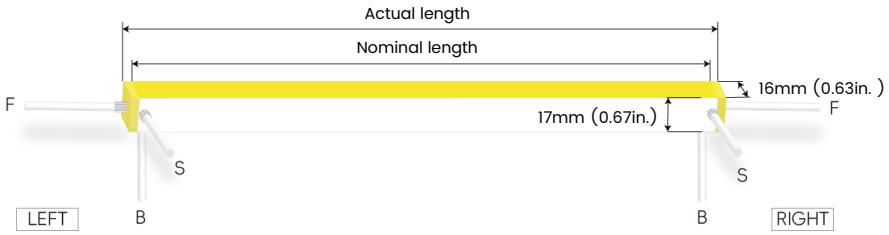
Zone	Lumen	% Fixture
0-30	238.0	25.6%
0-40	389.1	41.9%
0-60	688.0	74.1%
0-90	898.5	96.8%
0-180	928.5	100.0%

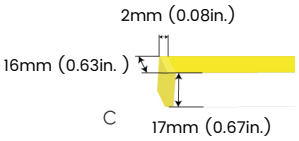
ARCUS CORE 3D LARGE SC

3D Bending · Tunable White

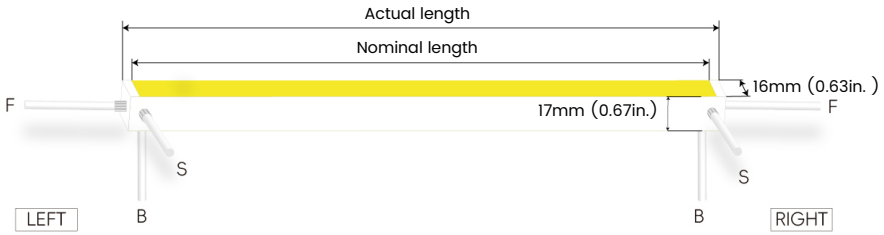
Feed Entry / End Cap Options

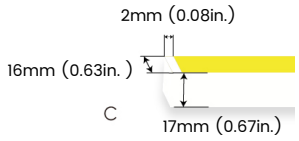
FT: Flush Translucent – IP67, factory-made only



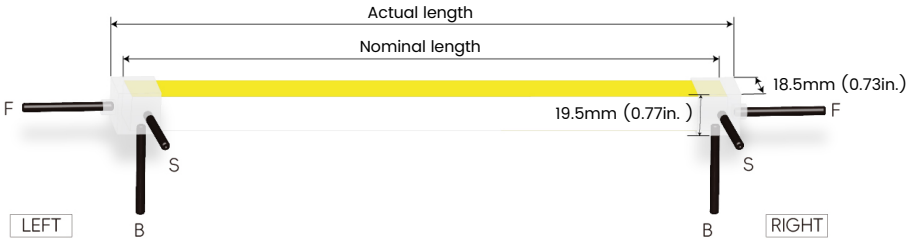


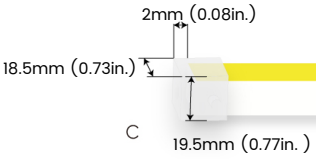
FO: Flush Opaque – IP67, factory-made only



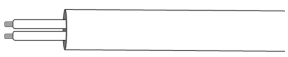


Silicone end cap – IP67, for field cuttable only

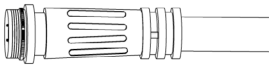




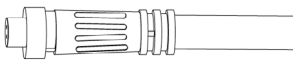
Connector Wire Options



OW: Open wire, **Dry only**
Standard 300mm (11.81in.),18 AWG,
wire length customizable



MC: Male connector, **Wet**
Standard 300mm (11.81in.), 18 AWG

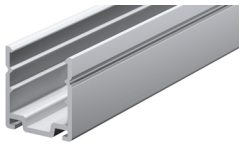
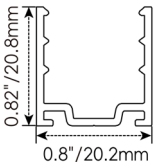


FC: Female connector, **Wet**
Standard 300mm (11.81in.), 18 AWG

ARCUS CORE 3D LARGE SC

3D Bending · Tunable White

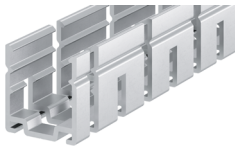
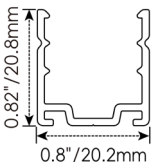
Mounting Options



NF1617-SC

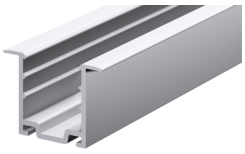
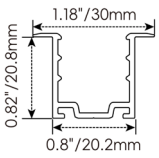
Name	Straight surface channel
Material	Aluminum
Standard Length	1m (3.28ft)




NF1617-BC

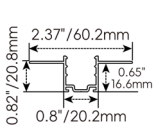
Name	Bendable surface channel
Material	Aluminum
Standard Length	1m (3.28ft)
Min. Bending Diameter	600mm(23.6in.)



NF1617-RC

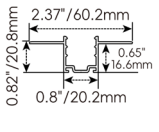
Name	Straight recessed channel
Material	Aluminum
Standard Length	1m (3.28ft)



NF1617-MC

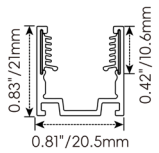
Name	Mud-in channel
Material	Aluminum
Standard Length	1m (3.28ft)




NF1617-BMC

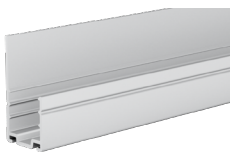
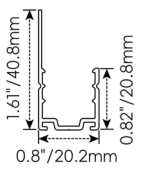
Name	Bendable mud-in channel
Material	Aluminum
Standard Length	1m (3.28ft)
Min. Top Bending Diameter	600mm(23.6in.)
Min. Side Bending Diameter	1600mm(63in.)



NF1617-SCS

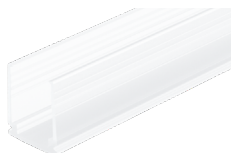
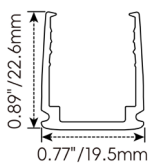
Name	Straight surface channel
Material	Aluminum with silicone groove
Standard Length	1m (3.28ft)



NF1617-LBC

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



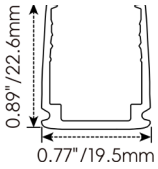
NF1617-PC

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

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3D Bending · Tunable White

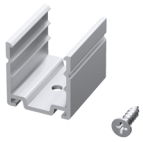
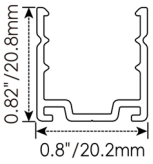
Mounting Options




NF1617-BPC

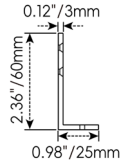
Name	Bendable surface channel
Material	Polycarbonate
Standard Length	1m (3.28ft)
Min. Bending Radius	150mm (5.91in.)



NF1617-CL

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

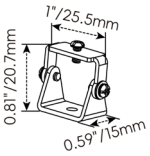






NF1617-LS

Name	L-shaped mounting bracket
Material	Aluminum
Standard Length	20mm(0.79in.)

* NF1617-LS must be installed with NF1617-SC

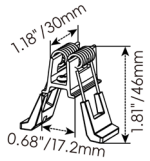



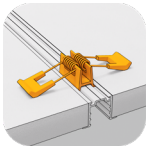



NF1617-AC

Name	Adjustable mounting clip
Material	Stainless steel
Standard Length	25.5mm (1 in.)

* NF1617-AC must be installed with NF1617-SC




NF1617-RC-SPC

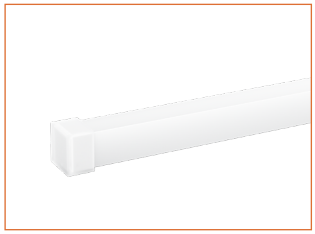
Name	Spring clip
Standard Pkg	1pcs

* NF1617-RC-SPC must be installed with NF1617-RC

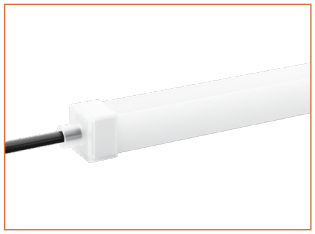
ARCUS CORE 3D LARGE SC

3D Bending · Tunable White

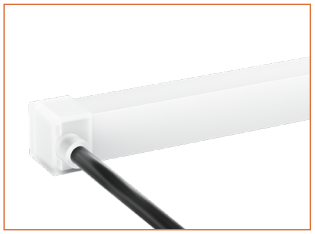
Silicone End Caps (Optional, purchase for extra)



NF1617-SEC-C
Silicone closed end cap



NF1617-SEC-F-2P
Silicone end cap front entry with 300mm (11.81in.) cable, 2 pin



NF1617-SEC-S-2P
Silicone end cap side entry with 300mm (11.81in.) cable, 2 pin



NF1617-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, 18 AWG



FCW-2P-67
Female connector,
300mm (11.81in.) white cable,
2 pin, IP67, Wet, 18 AWG



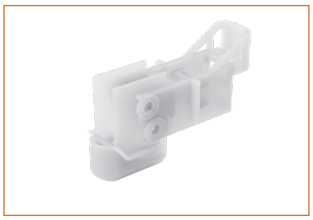
MCB-2P-67
Male connector,
300mm (11.81in.) black cable,
2 pin, IP67, Wet, 18 AWG



FCB-2P-67
Female connector,
300mm (11.81in.) black cable,
2 pin, IP67, Wet, 18 AWG



ADJS
1 Adjustable Angle Scissors Set,
with 4 Spare Blades



NF1617-IT
Installation tool for NF1617-BPC

ARCUS CORE 3D LARGE SC

3D Bending · Tunable White

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

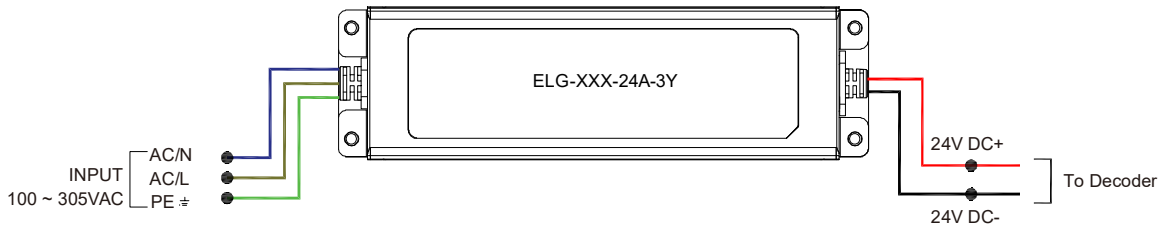
Code	Max Load	Input	Output	Environment	Size (L x W x H)
ELG-150-24DA-3Y	150W	100-305VAC	24V	Dry/Damp/IP67	219 * 63 * 35.5 mm

Controller Options

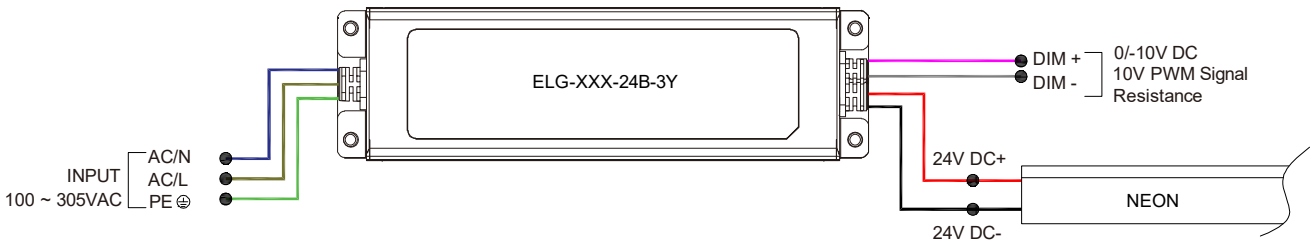
Type	Code	Description	Environment	Size (L x W x H)
Controllers	V2-S & R7-1	2-Color 2-Wire LED Controller, R7-1 single-zone CCT remote compatible, CE certified	Dry/Damp	119.9* 42.9 * 26.9 mm

Wiring Diagram

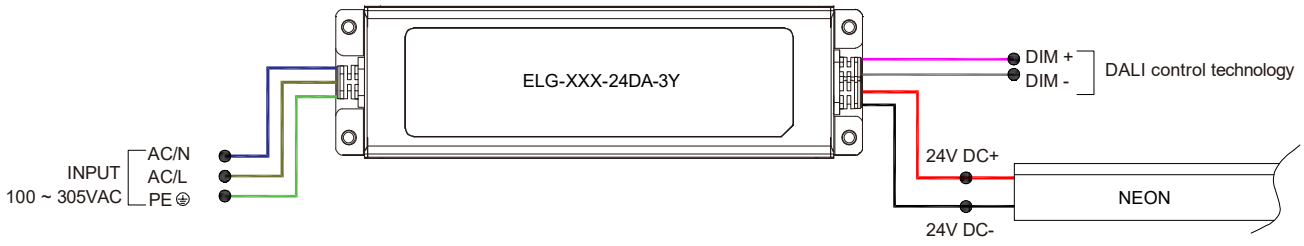
Non-dimmable



3 in 1-dimmable



DALI-dimmable



ARCUS CORE 3D LARGE SC

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