

ARCUS CORE 3D MEDIUM

Indoor · Dual Bending · Static White

Features

- True 3D design, no curling or distortion, clean finish. 88 lm/W high efficacy and stable output.
- IP54 rated, ideal for indoor uses
- 5 years warranty

Applications

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

Date

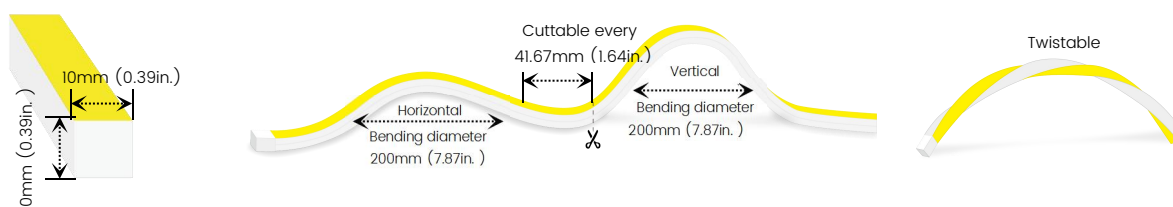
Fixture type

Project name

Project phase



Dimensions



Order Code

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

Lumen Output (lm/m)

Temp./Color	10W/M
2200K	700
2700K	800
3000K	840
3500K	880
4000K	880
Max. Run Length (M)	5
Storage Temperature	-40°C- 60°C
Operating Temperature	-40°C- 45°C

Technical Details

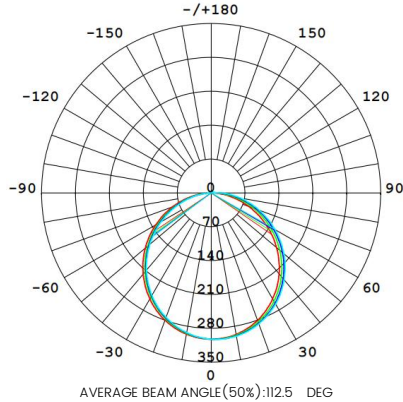
Efficacy	87.8lm/W @4000K 10W
CRI	Ra ≥ 90
Beam Angle	120°
LED MacAdam	3 steps
Average Life (L70)	> 44,000 hours
Max. Length Per Reel	10M
Finish	Matte

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Photometry

AC3DM-D4-24-30-305-IJ-F-OW-F-OW
AC3DM, Dual bend, 3000K, 3.05W/ft



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

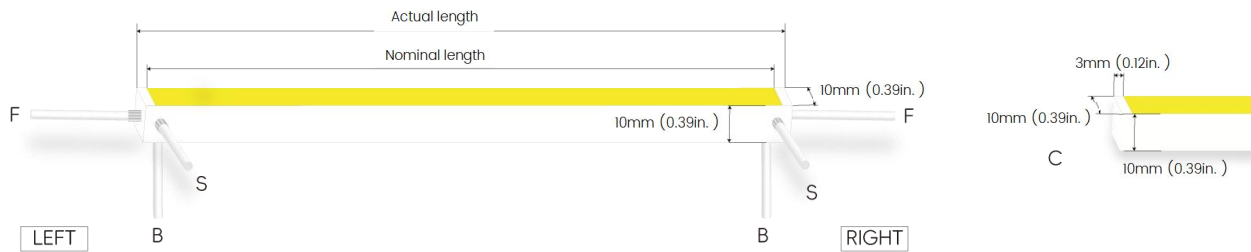
— C30/210, 112.

— C60/240, 113.0

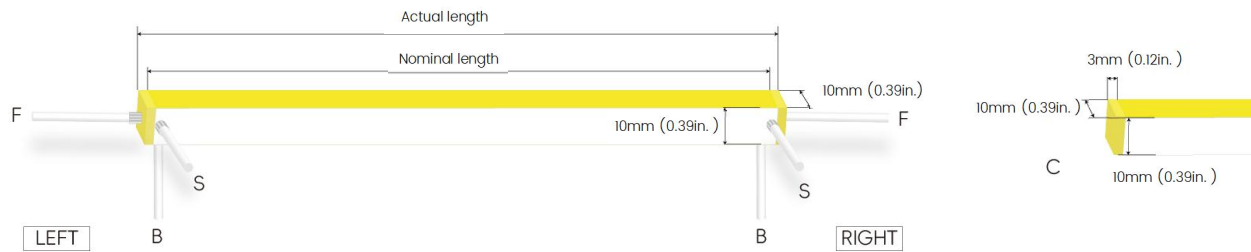
— C90/270, 113.4

Feed Entry / End Cap Options

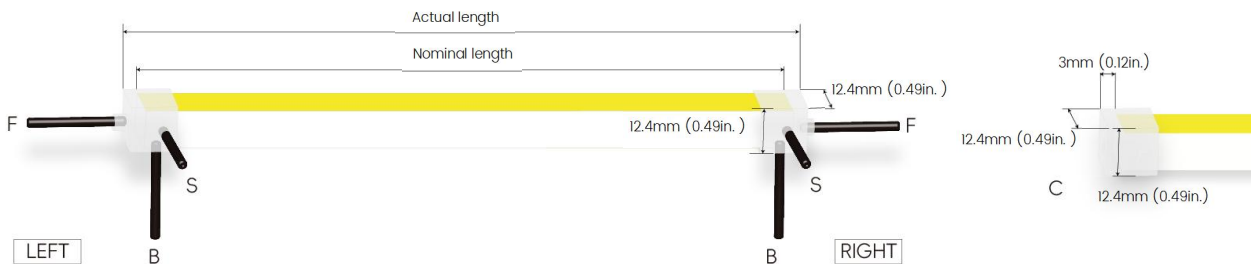
IJ: Injected end cap – IP54, factory-made only



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



SEC: Silicone end cap – IP54



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



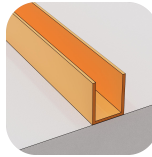
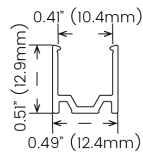
FC: Female connector, **Wet**

Standard 0.98ft (30cm), 20 AWG

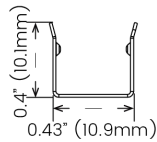
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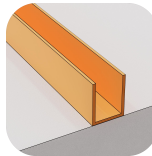
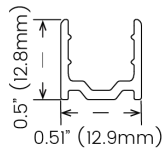
Mounting Options

**ARCUS-M-SC**

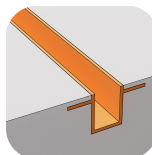
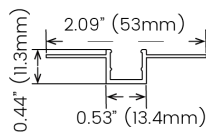
Name	Straight surface channel
Material	Aluminum
Standard Length	1M (3.28ft)

**ARCUS-M-BC**

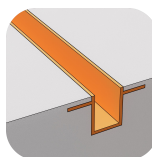
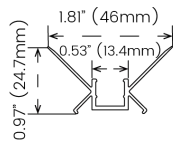
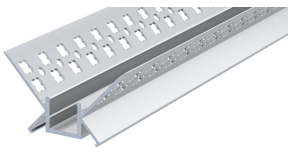
Name	Bendable surface channel
Material	Stainless Steel
Standard Length	1M (3.28ft)

**ARCUS-M-PC**

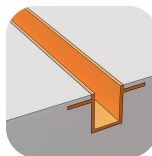
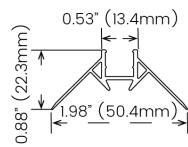
Name	PC channel
Material	PC
Standard Length	1M (3.28ft)

**ARCUS-M-MC**

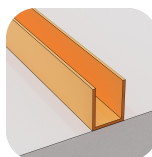
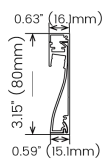
Name	Mud-in channel
Material	Aluminum
Standard Length	1M (3.28ft)

**ARCUS-M-IC**

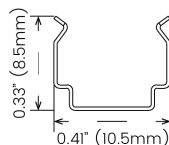
Name	Inside corner channel
Material	Aluminum
Standard Length	1M (3.28ft)

**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)

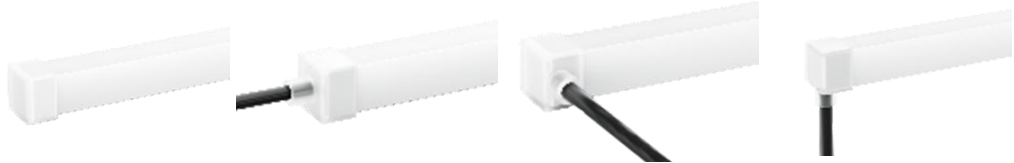
**ARCUS-M-CL**

Name	Mounting clip
Material	Aluminum
Standard Length	7mm (0.28in.)

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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

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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

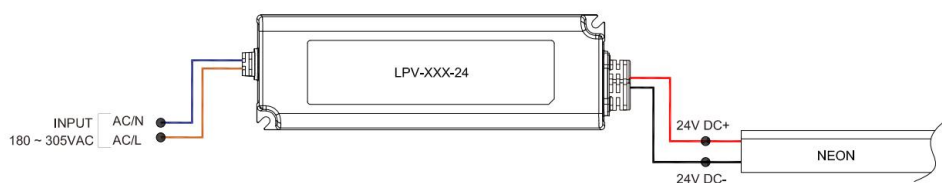
Code	Max Load	Input	Output	Environment	Size (L x W x H)
ELG-150-24B-3Y	150W	100-305VAC	24V	Dry/Damp/IP67	219 * 63 * 35.5 mm
PWM-120-24	120W	90-305VAC / 127-431VAC		Dry/Damp/IP67	191 * 63 * 37.5 mm

DALI control technology

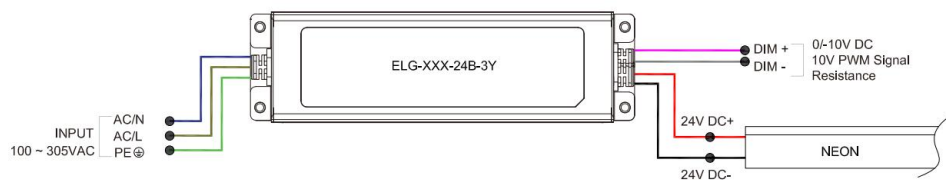
Code	Max Load	Input	Output	Environment	Size (L x W x H)
ELG-150-24DA-3Y	150W	100-305VAC	24V	Dry/Damp/IP67	219 * 63 * 35.5 mm

Wiring Diagram

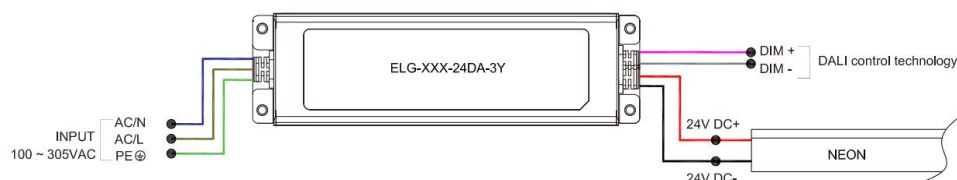
Non-dimmable



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