

ARVO SV MEDIUM

Outdoor · Horizontal Bending · Static White

Features

- Robust & uniform silicone body, with high lumen output up to 66.2 lm/W
- IP67 rated, ideal for outdoor uses
- 5 years warranty

Applications

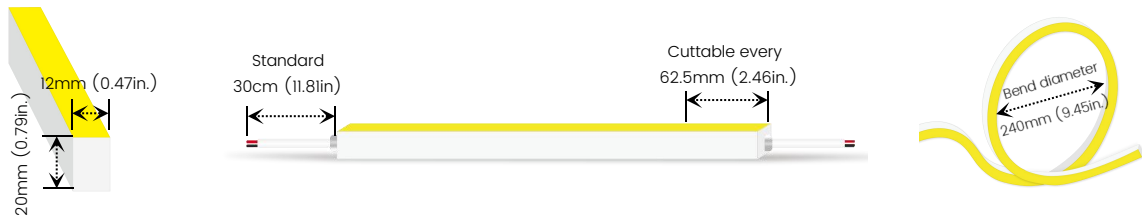
Hotels, apartment, lobby hall, shopping mall, facades, gardens, parks, balconies, roofs, soffits, etc.

Date _____ Fixture type _____

Project name _____ Project phase _____



Dimensions



Order Code

Assembly Builder

Model	Environment	Voltage	CCT	Power	End Cap	Left Feed Entry
ASVM	W7-Wet (IP67)	24-DC24V	22-2200K 27-2700K 32-3200K 35-3500K 40-4000K 53-5300K	096-9.6W/M 150-15W/M	IJ Injected (IP67) IJC Clear injected (IP67) SEC Silicone (IP67) MEC1 Mechanical with screws (IP67) MEC3 Mechanical without screws (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

Mounting Order Code

Right Feed Entry	Length	Product Code
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 10m Increment 62.5mm	Please select on the Mounting Options page.

*We will manufacture to the requested length considering the increment length.

Lumen Output (lm/m)

Temp./Color	9.6W/M	15W/M
2200K	505	742
2700K	585	859
3200K	610	896
3500K	625	918
4000K	635	933
5300K	610	896
Max. Run Length (m)	10	
Storage Temperature	-40°C~ 60°C	
Operating Temperature	-40°C~ 45°C	

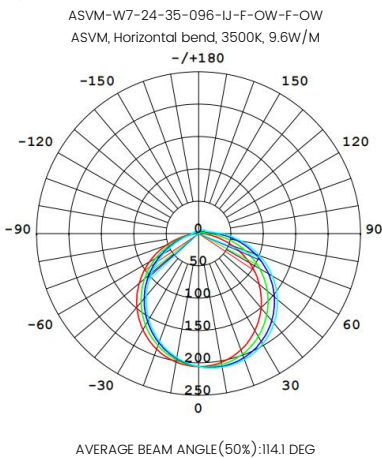
Technical Details

Efficacy	66.2lm/W @4000K 9.6W/M
CRI	Ra ≥ 90
Beam Angle	120°
LED MacAdam	2 steps
Average Life (L70)	> 54,000 hours
Max. Length Per Reel	20M
Finish	Matte

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Photometry



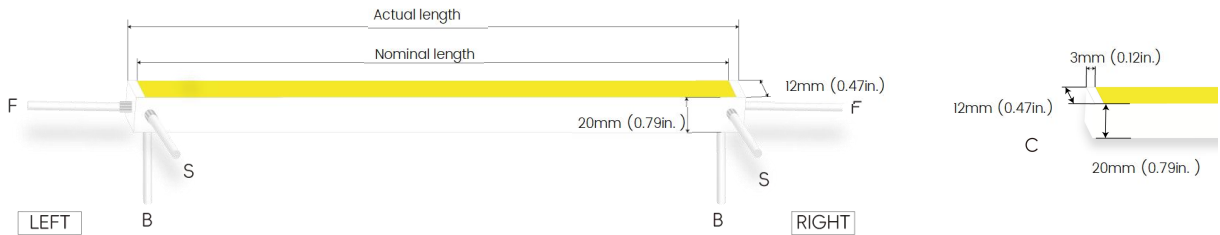
Zonal Lumen Summary 3500K

Zone	Lumen	% Fixture
0-30	159.9	24.7%
0-40	262.2	40.5%
0-60	466.8	72%
0-90	616.4	95.1%
0-180	647.9	100%

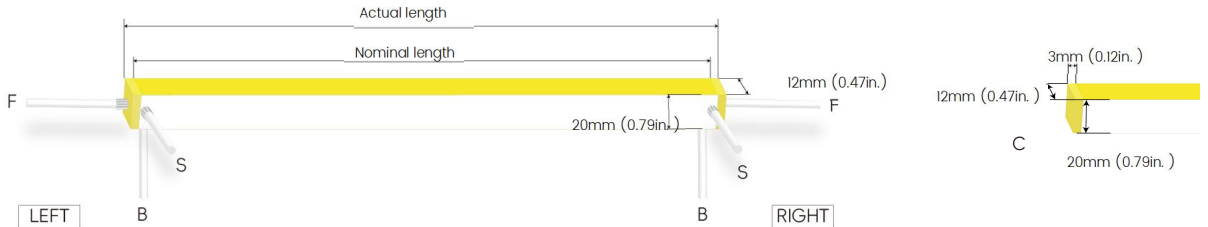
UNIT: CD
— C0/180, 111.9
— C30/210, 113.7
— C60/240, 115.4
— C90/270, 115.4

Feed Entry / End Cap Options

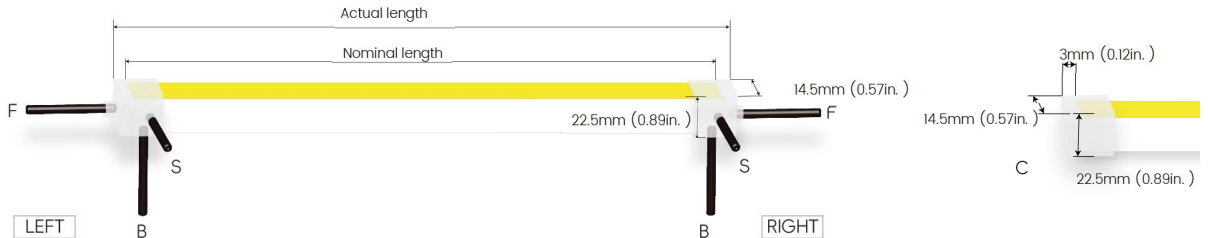
IJ: Injected end cap – IP67, factory-made only



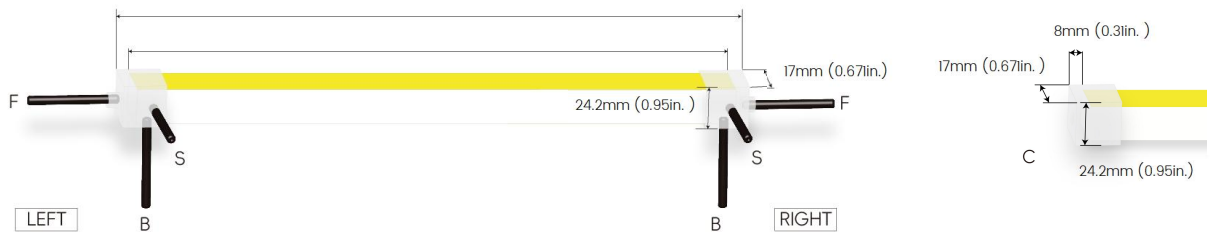
IJC: Clear injected end cap – IP67, factory-made only



SEC: Silicone end cap – IP67



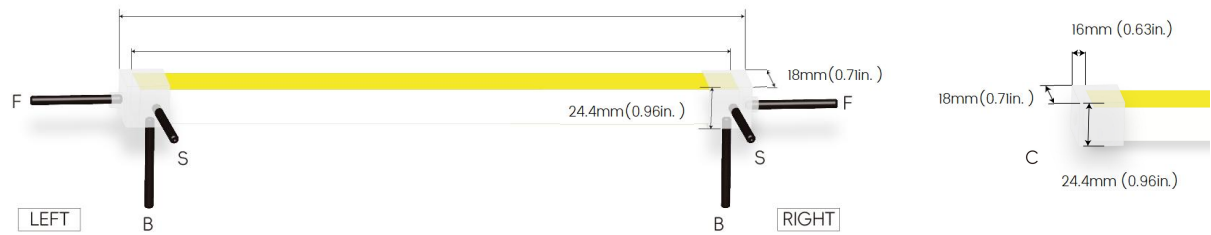
MECI: Mechanical end cap with screws – IP67



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MEC3: Mechanical end cap without screws – IP67



Connector Wire Options



OW: Open wire, **Dry only**
Standard 30cm (0.98ft), 20 AWG (wire length customizable)

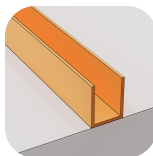
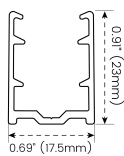


MC: Male connector, **Wet**
Standard 30cm (0.98ft), 20 AWG



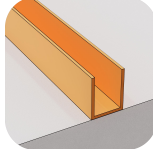
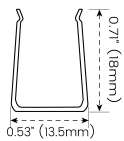
FC: Female connector, **Wet**
Standard 30cm (0.98ft), 20 AWG

Mounting Options



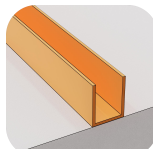
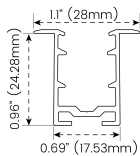
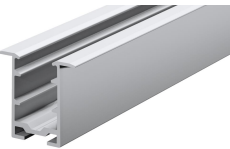
ARVO-M-SC

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



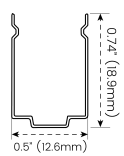
ARVO-M-BC

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



ARVO-M-RC

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



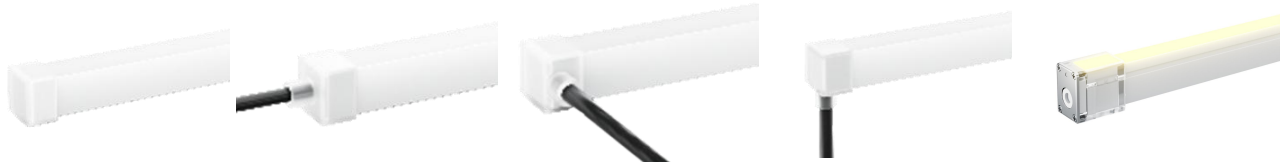
ARVO-M-CL

Name	Mounting clip
Material	Stainless Steel
Standard Length	20mm (0.79in.)

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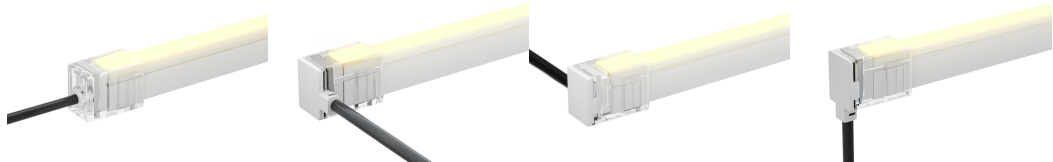
End Caps (Optional, purchase for extra)



- ARVO-M-SEC-C**
Silicone closed end cap
- ARVO-M-SEC-F-2P**
Silicone end cap front entry with 30cm(0.98ft) cable, 2 pin
- ARVO-M-SEC-S-2P**
Silicone end cap side entry with 30cm(0.98ft) cable, 2 pin
- ARVO-M-SEC-B-2P**
Silicone end cap bottom entry with 30cm(0.98ft) cable, 2 pin
- ARVO-M-MEC1-C**
Mechanical closed end cap with screws



- ARVO-M-MEC1-F-2P**
Mechanical end cap with screws, front entry with 30cm(0.98ft) cable, 2 pin
- ARVO-M-MEC1-LS-2P**
Mechanical end cap with screws, left side entry with 30cm(0.98ft) cable, 2 pin
- ARVO-M-MEC1-RS-2P**
Mechanical end cap with screws, right side entry with 30cm(0.98ft) cable, 2 pin
- ARVO-M-MEC1-B-2P**
Mechanical end cap with screws, bottom entry with 30cm(0.98ft) cable, 2 pin
- ARVO-M-MEC3-C**
Mechanical closed end cap without screws



- ARVO-M-MEC3-F-2P**
Mechanical end cap without screws, front entry with 30cm(0.98ft) cable, 2 pin
- ARVO-M-MEC3-LS-2P**
Mechanical end cap without screws, left side entry with 30cm(0.98ft) cable, 2 pin
- ARVO-M-MEC3-RS-2P**
Mechanical end cap without screws, right side entry with 30cm(0.98ft) cable, 2 pin
- ARVO-M-MEC3-B-2P**
Mechanical end cap without screws, 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

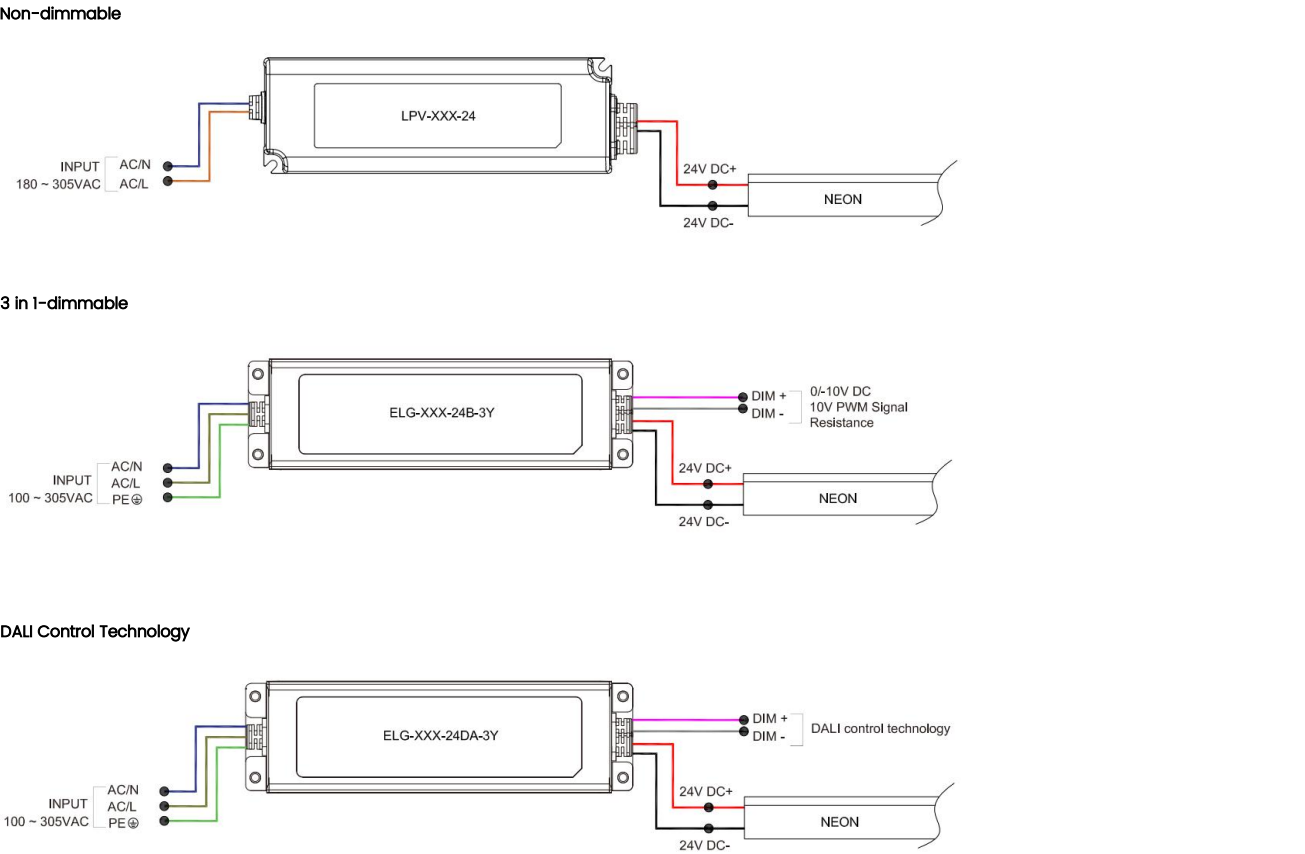
3 in 1-dimmable

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



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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