

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.



RoHS

ONE BIN



24V DC

Date

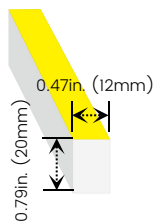
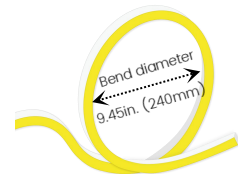
Fixture type

Project name

Project phase



Dimensions

Standard
3.28ft (1m)Cuttable every
2.46in. (62.5mm)

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	293-2.93W/ft 457-4.57W/ft	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 3.28ft (1m) B Bottom MC Male connector with 0.98ft (30cm) cable S Side FC Female connector with 0.98ft (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	
F Front	OW	Open wire 3.28ft (1m)		Max. nominal	32.8ft (10m)
B Bottom	MC	Male connector with 0.98ft (30cm) cable		Increment	2.46in. (62.5mm)
S Side	FC	Female connector with 0.98ft (30cm) cable			
C Closed	NA	Only for Closed Feed Entry			

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

Product Code
Please select on the Mounting Options page.

Lumen Output (lm/ft)

Temp./Color	2.93W/ft	4.57W/ft
2200K	154	226
2700K	178	262
3200K	186	273
3500K	191	280
4000K	194	284
5300K	186	273
Max. Run for Class 2*	27.3ft (8m)	16.4ft (5m)
Max. Run Supported Length	32.8ft (10m)	16.4ft (5m)

*Typically installations in USA and Canada comply with Class 2 requirements.

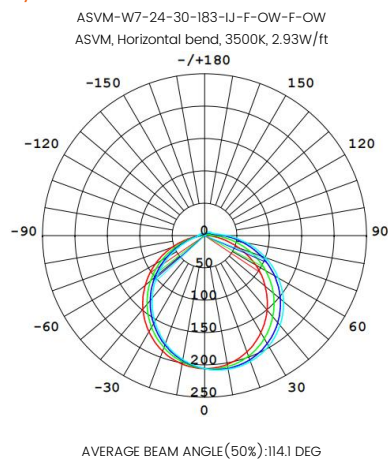
Technical Details

Efficacy	66.2lm/w @4000K 2.93W
CRI	Ra ≥ 90
Beam Angle	120°
LED MacAdam	2 steps
Average Life (L70)	> 54,000 hours
Storage Temperature	-40-140°F (-40°C- 60°C)
Operating Temperature	-40-113°F (-40°C- 45°C) @2.93W/ft

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Photometry



Zonal Lumen Summary 3500K

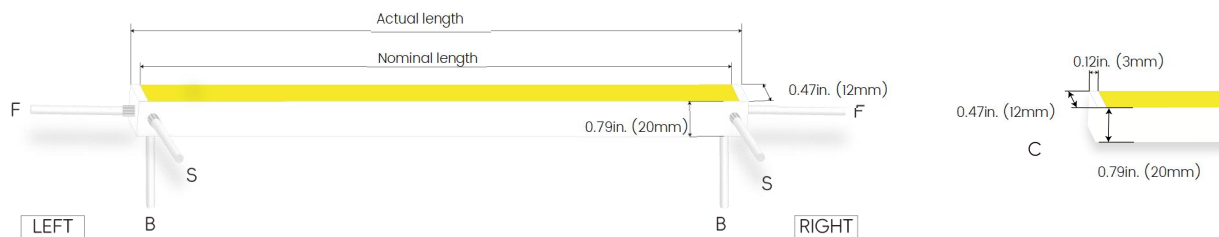
Zone	Lumen	% Fixture
0-30	159.9	24.7%
0-40	262.2	40.5%
0-60	466.8	72%
0-90	616.4	95.1%
0-180	647.9	100%

UNIT: CD

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

Feed Entry / End Cap Options

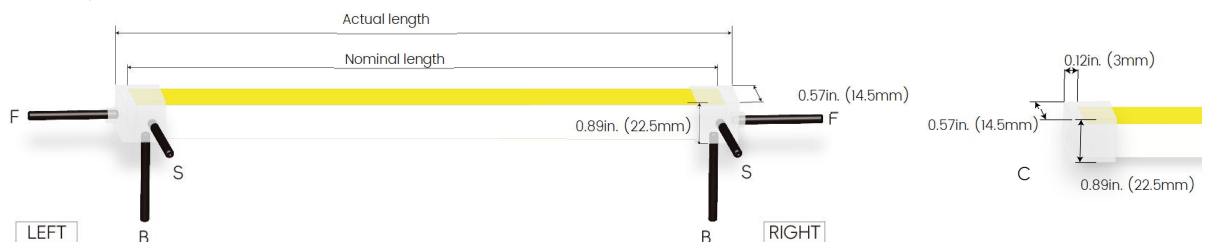
IJ: Injected end cap – IP67, factory-made only



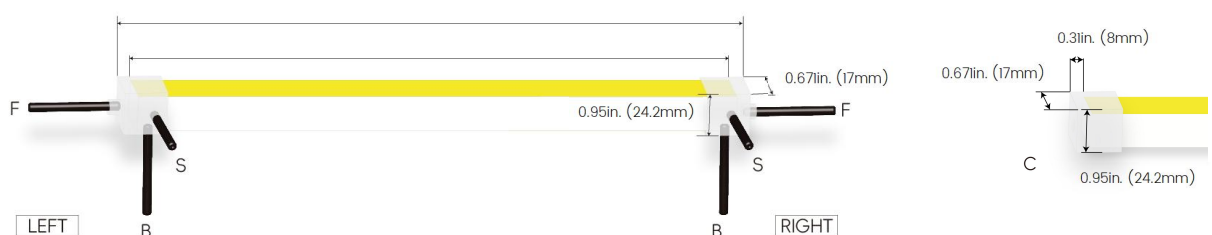
IJC: Clear injected end cap – IP67, factory-made only



SEC: Silicone end cap – IP67



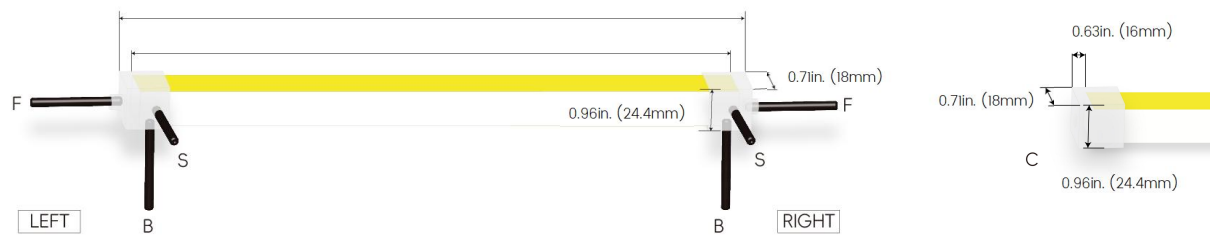
MECI: Mechanical end cap with screws – IP67



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MEC3: Mechanical end cap without screws – IP67



Connector Wire Options



OW: Open wire, **Dry only**
Standard 3.28ft (1m), 18 AWG (wire length customizable)

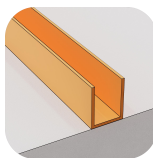
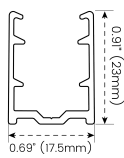


MC: Male connector, **Wet**
Standard 0.98ft (30cm), 18 AWG



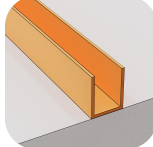
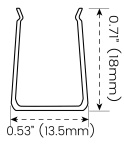
FC: Female connector, **Wet**
Standard 0.98ft (30cm), 18 AWG

Mounting Options



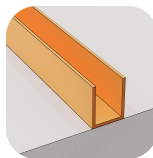
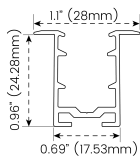
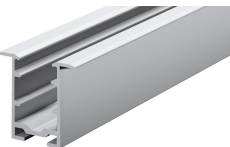
ARVO-M-SC

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



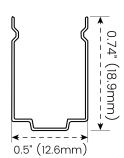
ARVO-M-BC

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



ARVO-M-RC

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



ARVO-M-CL

Name	Mounting clip
Material	Stainless Steel
Standard Length	0.79ft (20MM)

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End Caps (Optional, purchase for extra)



ARVO-M-SEC-C
Silicone closed end cap



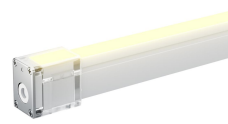
ARVO-M-SEC-F-2P
Silicone end cap front entry with 0.98ft(30cm) cable, 2 pin



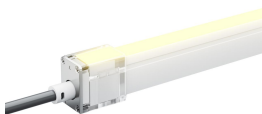
ARVO-M-SEC-S-2P
Silicone end cap side entry with 0.98ft(30cm) cable, 2 pin



ARVO-M-SEC-B-2P
Silicone end cap bottom entry with 0.98ft(30cm) cable, 2 pin



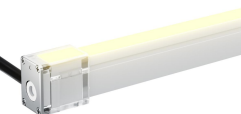
ARVO-M-MEC1-C
Mechanical closed end cap with screws



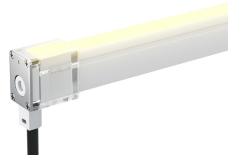
ARVO-M-MEC1-F-2P
Mechanical end cap with screws, front entry with 0.98ft(30cm) cable, 2 pin



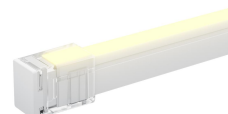
ARVO-M-MEC1-LS-2P
Mechanical end cap with screws, left side entry with 0.98ft(30cm) cable, 2 pin



ARVO-M-MEC1-RS-2P
Mechanical end cap with screws, right side entry with 0.98ft(30cm) cable, 2 pin



ARVO-M-MEC1-B-2P
Mechanical end cap with screws, bottom entry with 0.98ft(30cm) cable, 2 pin



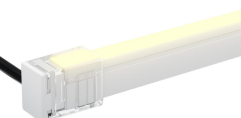
ARVO-M-MEC3-C
Mechanical closed end cap without screws



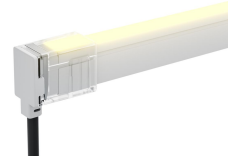
ARVO-M-MEC3-F-2P
Mechanical end cap without screws, front entry with 0.98ft(30cm) cable, 2 pin



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



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



ARVO-M-MEC3-B-2P
Mechanical end cap without screws, bottom entry with 0.98ft(30cm) cable, 2 pin

Additional Accessories (Optional, purchase for extra)



MCW-2P-67
Male connector with 0.98ft (30cm) white cable, 2 pin, IP67, Wet, 20 AWG



FCW-2P-67
Female connector with 0.98ft (30cm) white cable, 2 pin, IP67, Wet, 20 AWG



MCB-2P-67
Male connector with 0.98ft (30cm) black cable, 2 pin, IP67, Wet, 20 AWG



FCB-2P-67
Female connector with 0.98ft (30cm) black cable, 2 pin, IP67, Wet, 20 AWG

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Drivers

Non-dimmable							
Code	Max Load	Input	Output	Class 2	With Junction Box	Environment	Size (L x W x H)
KV-24030-ASW	30W	100-277VAC	24V	Yes	No	Dry/Damp	6.1 x 2.1 x 0.8in. (15.5 x 5.4 x 2cm)
KV-24060-ASW	60W						7 x 2.4 x 0.9in. (17.8 x 6.1 x 2.4cm)
KV-24096-ASW	96W					Dry/Damp/Wet	9.1 x 2.8 x 1.7in. (23 x 7 x 4.3cm)

Phase cut/Triac-dimmable							
Code	Max Load	Input	Output	Class 2	With Junction Box	Environment	Size (L x W x H)
KVF-24030-TDW	30W	100-277VAC	24V	Yes	No	Dry/Damp	6.1 x 2.1 x 0.8in. (15.5 x 5.4 x 2cm)
KVF-24060-TDW	60W						7 x 2.4 x 0.9in. (17.8 x 6.1 x 2.4cm)
KVF-24096-TDW	96W					Dry/Damp/Wet	9.1 x 2.8 x 1.7in. (23 x 7 x 4.3cm)
KVF-24030-TDWJ	30W				Yes	Dry/Damp	6.5 x 3.6 x 1in. (16.5 x 9.2 x 2.6cm)
KVF-24060-TDWJ	60W						7.4 x 3.6 x 1in. (18.8 x 9.2 x 2.6cm)
KVF-24096-TDWJ	96W						8.7 x 3.7 x 1.6in. (22 x 9.3 x 4.1cm)
KVF-24192-TDWJ	192W (96Wx2)						10.9 x 4.3 x 1.8in. (27.8 x 11 x 4.5cm)
KVF-24288-TDWJ	288W (96Wx3)						11.9 x 4.3 x 1.8in. (30.1 x 11 x 4.5cm)
KVF-24384-TDWJ	384W (96Wx4)						12.7 x 5.5 x 1.9in. (32.3 x 14 x 4.8cm)

4 in 1-dimmable (0-10V/1-10V/Potentiometer/10V PWM)							
Code	Max Load	Input	Output	Class 2	With Junction Box	Environment	Size (L x W x H)
KVD-24030-DIM	30W	100-277VAC	24V	Yes	No	Dry/Damp	6.1 x 2.1 x 0.8in. (15.5 x 5.4 x 2cm)
KVD-24060-DIM	60W						7 x 2.4 x 0.9in. (17.8 x 6.1 x 2.4cm)
KVD-24096-DIM	96W					Dry/Damp/Wet	9.1 x 2.8 x 1.7in. (23 x 7 x 4.3cm)
KVD-24030-DIMJ	30W				Yes	Dry/Damp	6.5 x 3.6 x 1in. (16.5 x 9.2 x 2.6cm)
KVD-24060-DIMJ	60W						7.4 x 3.6 x 1in. (18.8 x 9.2 x 2.6cm)
KVD-24096-DIMJ	96W						8.7 x 3.7 x 1.6in. (22 x 9.3 x 4.1cm)
KVD-24192-DIMJ	192W (96Wx2)						10.9 x 4.3 x 1.8in. (27.8 x 11 x 4.5cm)
KVD-24288-DIMJ	288W (96Wx3)						11.9 x 4.3 x 1.8in. (30.1 x 11 x 4.5cm)
KVD-24384-DIMJ	384W (96Wx4)						12.7 x 5.5 x 1.9in. (32.3 x 14 x 4.8cm)

5 in 1-dimmable (Triac/0-10V/1-10V/Potentiometer/10V PWM)							
Code	Max Load	Input	Output	Class 2	With Junction Box	Environment	Size (L x W x H)
KVG-24030-DW	30W	100-277VAC	24V	Yes	No	Dry/Damp	6.1 x 2.1 x 0.8in. (15.5 x 5.4 x 2cm)
KVG-24060-DW	60W						7 x 2.4 x 0.9in. (17.8 x 6.1 x 2.4cm)
KVG-24096-DW	96W					Dry/Damp/Wet	9.1 x 2.8 x 1.7in. (23 x 7 x 4.3cm)
KVG-24030-DWJ	30W				Yes	Dry/Damp	6.5 x 3.7 x 1.6in. (16.5 x 9.5 x 4cm)
KVG-24060-DWJ	60W						7.4 x 3.7 x 1.6in. (18.8 x 9.5 x 4cm)
KVG-24096-DWJ	96W						8.7 x 3.7 x 1.6in. (22 x 9.5 x 4cm)
KVG-C24192-DWJ	192W (96Wx2)						10.9 x 4.3 x 1.8in. (27.8 x 11 x 4.5cm)
KVG-C24288-DWJ	288W (96Wx3)						11.9 x 4.3 x 1.8in. (30.1 x 11 x 4.5cm)
KVG-C24384-DWJ	384W (96Wx4)						12.8 x 5.5 x 1.9in. (32.5 x 14 x 4.8cm)

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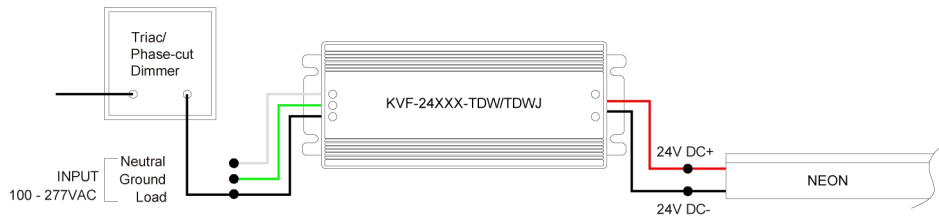
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Wiring Diagram

Non-dimmable



Phase cut/Triac-dimmable



4 in 1-dimmable (0-10V/1-10V/Potentiometer/10V PWM)



5 in 1-dimmable (Triac/0-10V/1-10V/Potentiometer/10V PWM)



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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	1730 ft (527.3 m)	784 ft (238.9 m)	397 ft (121.0 m)	263 ft (80.2 m)	175 ft (53.3 m)	131 ft (39.9 m)	107 ft (32.6 m)
10W / 0.4A	865 ft (263.6 m)	392 ft (119.4 m)	199 ft (60.7 m)	132 ft (40.2 m)	88 ft (26.8 m)	66 ft (20.1 m)	54 ft (16.5 m)
15W / 0.6A	577 ft (175.9 m)	261 ft (79.6 m)	132 ft (40.2 m)	88 ft (26.8 m)	58 ft (17.7 m)	44 ft (13.4 m)	36 ft (11.0 m)
20W / 0.8A	433 ft (132.0 m)	196 ft (59.7 m)	99 ft (30.2 m)	66 ft (20.1 m)	44 ft (13.4 m)	33 ft (10.1 m)	27 ft (8.2 m)
25W / 1.0A	346 ft (105.5 m)	157 ft (47.9 m)	79 ft (24.1 m)	53 ft (16.2 m)	35 ft (10.7 m)	26 ft (7.9 m)	22 ft (6.7 m)
30W / 1.3A	289 ft (88.1 m)	131 ft (39.9 m)	66 ft (20.1 m)	44 ft (13.4 m)	29 ft (8.8 m)	22 ft (6.7 m)	18 ft (5.5 m)
35W / 1.5A	248 ft (75.6 m)	112 ft (34.1 m)	57 ft (17.4 m)	38 ft (11.6 m)	25 ft (7.6 m)	19 ft (5.8 m)	15 ft (4.6 m)
40W / 1.7A	217 ft (66.1 m)	98 ft (29.9 m)	50 ft (15.2 m)	33 ft (10.1 m)	22 ft (6.7 m)	16 ft (4.9 m)	13 ft (4.0 m)
45W / 1.9A	192 ft (58.5 m)	87 ft (26.5 m)	44 ft (13.4 m)	29 ft (8.8 m)	19 ft (5.8 m)	14 ft (4.3 m)	12 ft (3.7 m)
50W / 2.1A	173 ft (52.7 m)	78 ft (23.8 m)	40 ft (12.2 m)	26 ft (7.9 m)	18 ft (5.5 m)	13 ft (4.0 m)	11 ft (3.4 m)
55W / 2.3A	157 ft (47.9 m)	71 ft (21.6 m)	36 ft (11.0 m)	24 ft (7.3 m)	16 ft (4.9 m)	12 ft (3.7 m)	10 ft (3.0 m)
60W / 2.5A	144 ft (43.9 m)	65 ft (19.8 m)	33 ft (10.1 m)	22 ft (6.7 m)	15 ft (4.6 m)	11 ft (3.4 m)	9 ft (2.7 m)
65W / 2.7A	133 ft (40.5 m)	60 ft (18.3 m)	30 ft (9.1 m)	20 ft (6.1 m)	14 ft (4.3 m)	10 ft (3.0 m)	8 ft (2.4 m)
70W / 2.9A	124 ft (37.8 m)	56 ft (17.1 m)	28 ft (8.5 m)	19 ft (5.8 m)	13 ft (4.0 m)	10 ft (3.0 m)	8 ft (2.4 m)
75W / 3.1A	116 ft (35.4 m)	52 ft (15.9 m)	26 ft (7.9 m)	17 ft (5.2 m)	12 ft (3.7 m)	9 ft (2.7 m)	7 ft (2.1 m)
80W / 3.3A	109 ft (33.2 m)	49 ft (14.9 m)	25 ft (7.6 m)	16 ft (4.9 m)	11 ft (3.4 m)	8 ft (2.4 m)	7 ft (2.1 m)
85W / 3.5A	103 ft (31.4 m)	46 ft (14.0 m)	23 ft (7.0 m)	15 ft (4.6 m)	10 ft (3.0 m)	8 ft (2.4 m)	6 ft (1.8 m)
90W / 3.8A	97 ft (29.6 m)	44 ft (13.4 m)	22 ft (6.7 m)	15 ft (4.6 m)	10 ft (3.0 m)	7 ft (2.1 m)	6 ft (1.8 m)
96W / 4.0A	91 ft (27.7 m)	41 ft (12.5 m)	21 ft (6.4 m)	14 ft (4.3 m)	9 ft (2.7 m)	7 ft (2.1 m)	6 ft (1.8 m)