

ORLUX SV MEDIUM

Outdoor · Horizontal Bending · Static White

Features

- Field-cut everywhere for an exact fit; continuous illumination with no dark gaps.
- IP67 rated, ideal for outdoor uses
- 5 years warranty

Applications

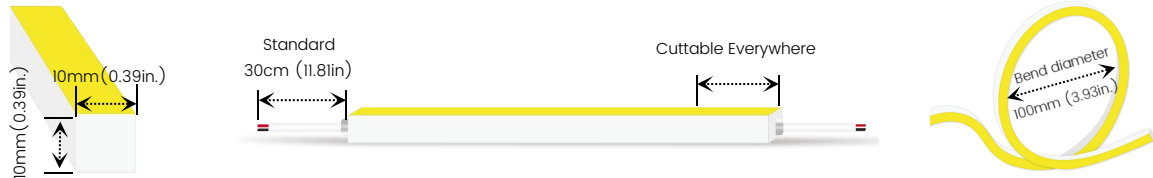
Gardens, parks, hotels, facades, pathways, outdoor steps, etc.

Date _____ Fixture type _____

Project name _____ Project phase _____



Dimensions



Order Code

Model	Environment	Voltage	CCT	Power	End Cap	Left Feed Entry
OSVM	W7-Wet (IP67)	24-DC24V	22-2200K 27-2700K 30-3000K 35-3500K 40-4000K 53-5300K	100-10W/M	IJ Injected (IP67) IJC Clear injected (IP67) SEC Silicone (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

Right Feed Entry	Length
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 5m

*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	640
2700K	680
3000K	730
3500K	770
4000K	770
5300K	770
Max. Run Length (M)	5
Storage Temperature	-40°C- 60°C
Operating Temperature	-40°C- 45°C

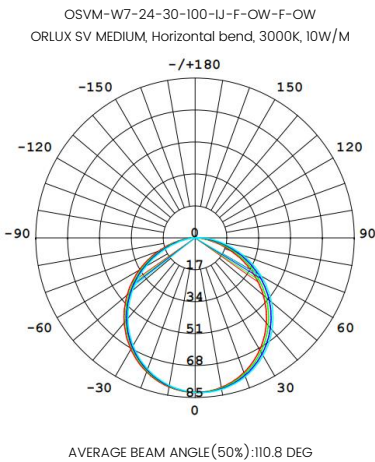
Technical Details

Efficacy	77lm/W @4000K 10W
CRI	Ra ≥ 90
Beam Angle	110°
LED MacAdam	3 steps
Average Life (L70)	> 47,000 hours
Max. Length Per Reel	20M
Finish	Matte

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Photometry



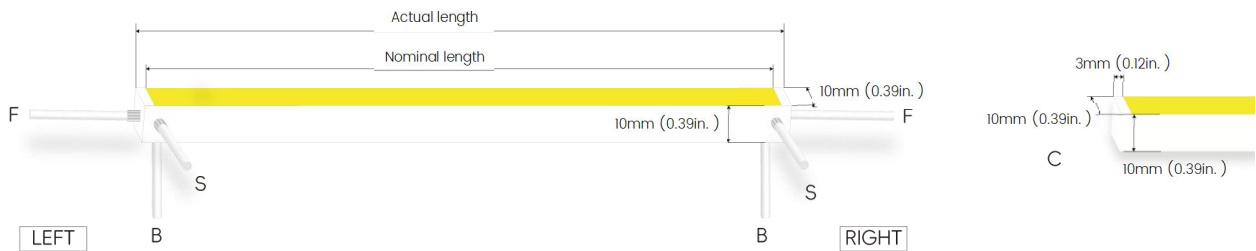
Zonal Lumen Summary 3000K

Zone	Lumen	% Fixture
0-30	63.6	27.1%
0-40	104.0	44.3%
0-60	182.8	78%
0-90	231.4	98.6%
0-180	234.6	100%

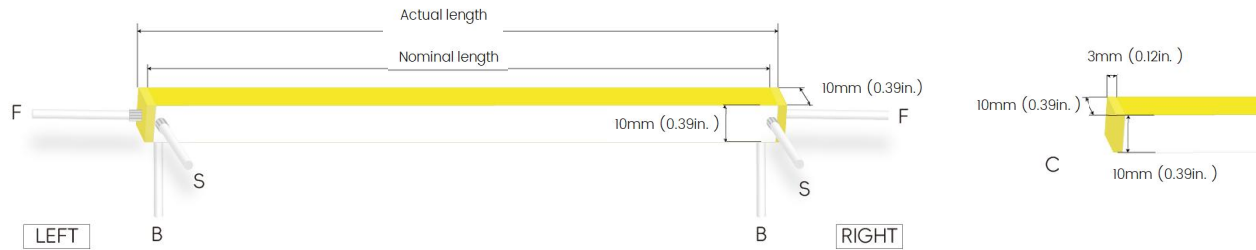
UNIT: CD
— C0/180, 110.0
— C30/210, 110.3
— C60/240, 111.2
— C90/270, 111.6

Feed Entry / End Cap Options

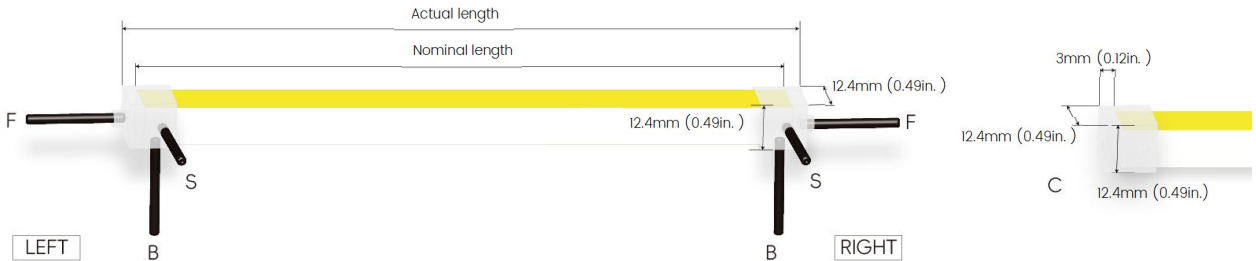
IJ: Injected end cap – IP67, factory-made only



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



SEC: Silicone end cap – IP67



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

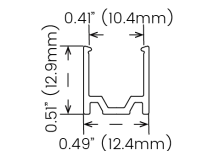
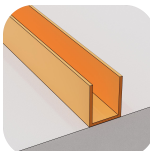
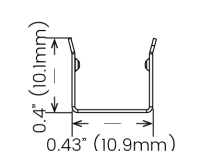
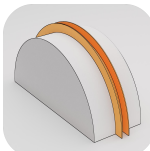
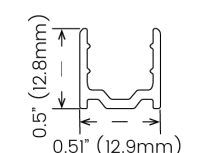
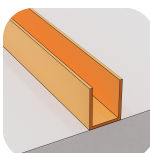
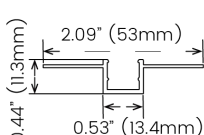
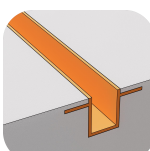
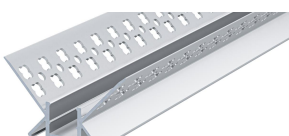
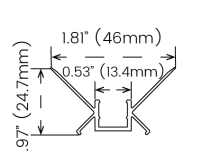
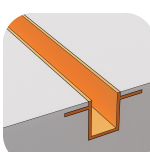
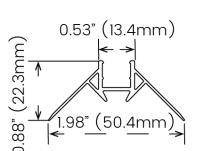
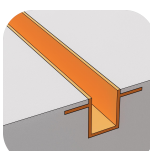
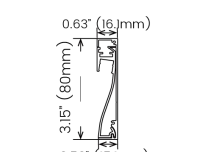
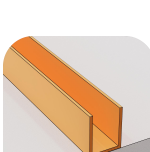
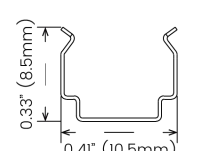


FC: Female connector, **Wet**
Standard 30cm (0.98ft), 20 AWG

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Mounting Options

			ORLUX-M-SC <table><tr><td>Name</td><td>Straight surface channel</td></tr><tr><td>Material</td><td>Aluminum</td></tr><tr><td>Standard Length</td><td>1M (3.28ft)</td></tr></table>	Name	Straight surface channel	Material	Aluminum	Standard Length	1M (3.28ft)
Name	Straight surface channel								
Material	Aluminum								
Standard Length	1M (3.28ft)								
			ORLUX-M-BC <table><tr><td>Name</td><td>Bendable surface channel</td></tr><tr><td>Material</td><td>Stainless Steel</td></tr><tr><td>Standard Length</td><td>1M (3.28ft)</td></tr></table>	Name	Bendable surface channel	Material	Stainless Steel	Standard Length	1M (3.28ft)
Name	Bendable surface channel								
Material	Stainless Steel								
Standard Length	1M (3.28ft)								
			ORLUX-M-PC <table><tr><td>Name</td><td>PC channel</td></tr><tr><td>Material</td><td>PC</td></tr><tr><td>Standard Length</td><td>1M (3.28ft)</td></tr></table>	Name	PC channel	Material	PC	Standard Length	1M (3.28ft)
Name	PC channel								
Material	PC								
Standard Length	1M (3.28ft)								
			ORLUX-M-MC <table><tr><td>Name</td><td>Mud-in channel</td></tr><tr><td>Material</td><td>Aluminum</td></tr><tr><td>Standard Length</td><td>1M (3.28ft)</td></tr></table>	Name	Mud-in channel	Material	Aluminum	Standard Length	1M (3.28ft)
Name	Mud-in channel								
Material	Aluminum								
Standard Length	1M (3.28ft)								
			ORLUX-M-IC <table><tr><td>Name</td><td>Inside corner channel</td></tr><tr><td>Material</td><td>Aluminum</td></tr><tr><td>Standard Length</td><td>1M (3.28ft)</td></tr></table>	Name	Inside corner channel	Material	Aluminum	Standard Length	1M (3.28ft)
Name	Inside corner channel								
Material	Aluminum								
Standard Length	1M (3.28ft)								
			ORLUX-M-OC <table><tr><td>Name</td><td>Outside corner channel</td></tr><tr><td>Material</td><td>Aluminum</td></tr><tr><td>Standard Length</td><td>1M (3.28ft)</td></tr></table>	Name	Outside corner channel	Material	Aluminum	Standard Length	1M (3.28ft)
Name	Outside corner channel								
Material	Aluminum								
Standard Length	1M (3.28ft)								
			ORLUX-M-SBC <table><tr><td>Name</td><td>Skirting board channel</td></tr><tr><td>Material</td><td>Aluminum</td></tr><tr><td>Standard Length</td><td>1M (3.28ft)</td></tr></table>	Name	Skirting board channel	Material	Aluminum	Standard Length	1M (3.28ft)
Name	Skirting board channel								
Material	Aluminum								
Standard Length	1M (3.28ft)								
			ORLUX-M-CL <table><tr><td>Name</td><td>Mounting clip</td></tr><tr><td>Material</td><td>Aluminum</td></tr><tr><td>Standard Length</td><td>7mm (0.28in.)</td></tr></table>	Name	Mounting clip	Material	Aluminum	Standard Length	7mm (0.28in.)
Name	Mounting clip								
Material	Aluminum								
Standard Length	7mm (0.28in.)								

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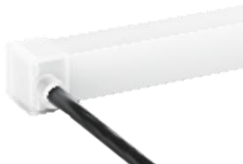
End Caps (Optional, purchase for extra)



ORLUX-M-SEC-C
Silicone closed end cap



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



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



ORLUX-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

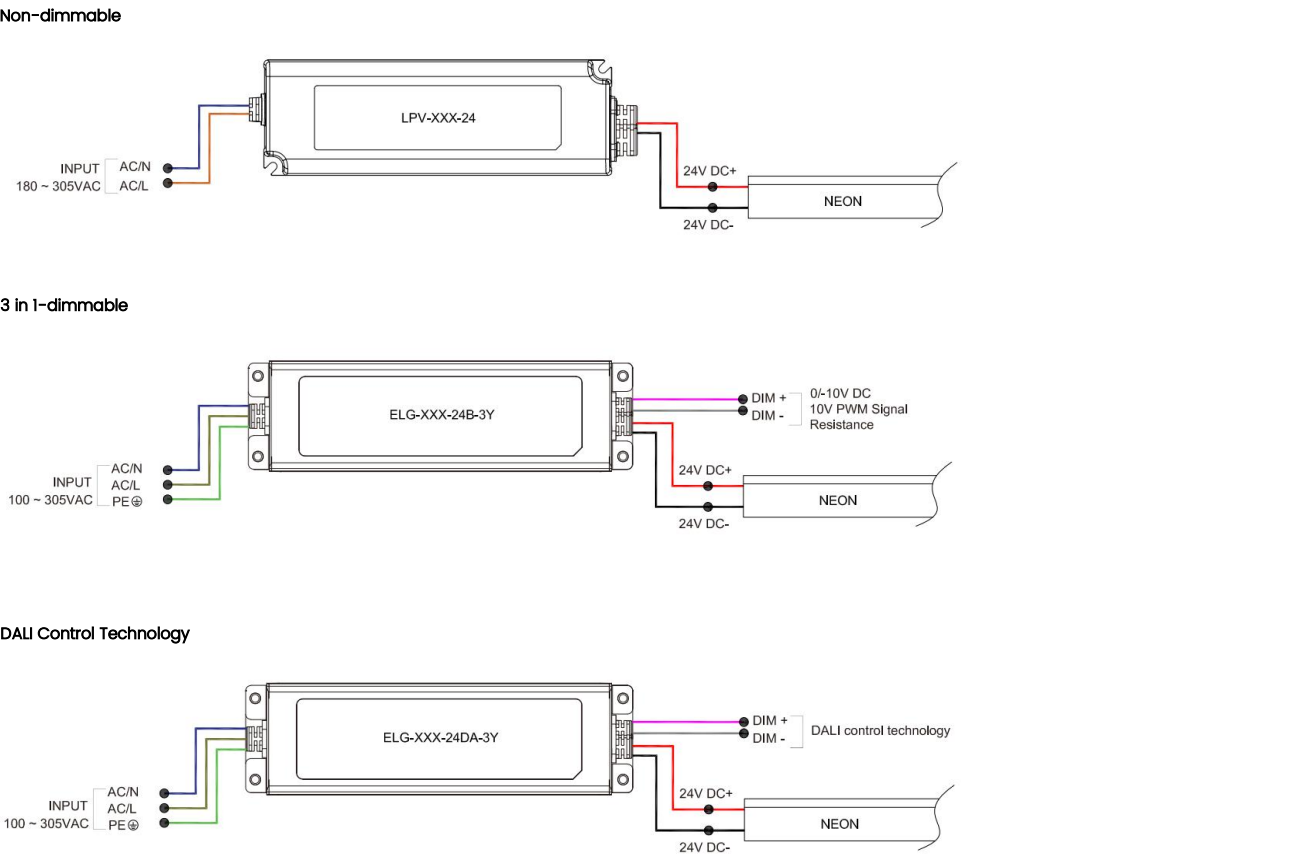
3 in 1-dimmable

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



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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