

ORLUX TV LARGE

Outdoor · Vertical 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

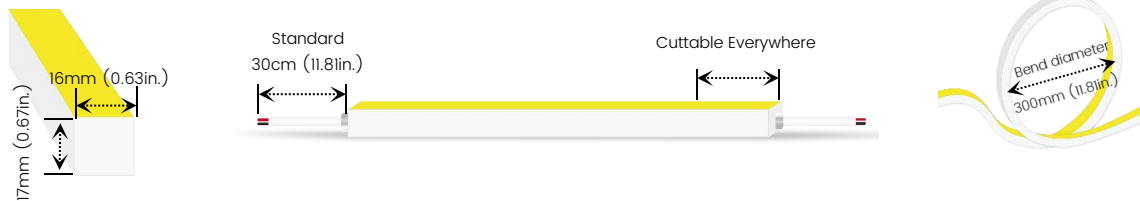
Gardens, parks, hotels, facades, pathways, outdoor steps, etc.

Date _____ Fixture type _____

Project name _____ Project phase _____



Dimensions



Order Code

Model	Environment	Voltage	CCT	Power	End Cap	Left Feed Entry
OTVL	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) MEC Mechanical with 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 J Jumper

*Injected and clear injected end cap are factory-made only. *Jumper feed entry must be used in conjunction for wire-in and wire-out directions.

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 J Jumper	Max. nominal 12m

*Jumper feed entry must be used in conjunction for wire-in and wire-out directions. *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/ft)

Temp./Color	10W/M
2200K	610
2700K	646
3200K	683
3500K	718
4000K	710
5300K	703
Max. Run Length (m)	12
Storage Temperature	-40°C- 60°C
Operating Temperature	-40°C- 45°C

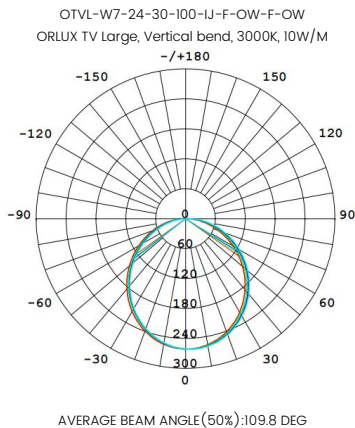
Technical Details

Efficacy	70.8lm/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



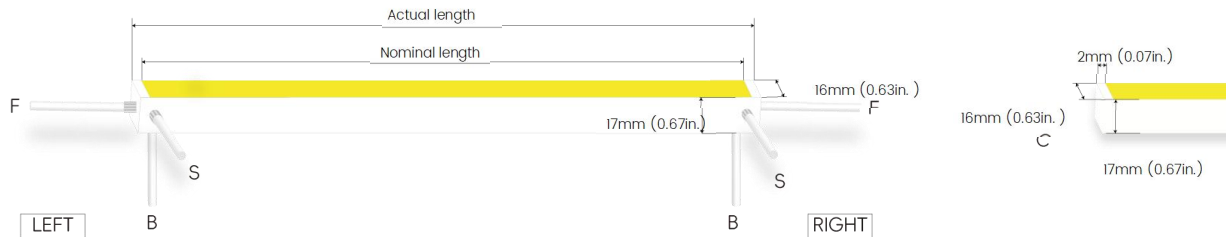
Zonal Lumen Summary 3000K

Zone	Lumen	% Fixture
0-30	200.7	27%
0-40	326.8	43.9%
0-60	572.8	77%
0-90	736.7	99.1%
0-180	743.7	100%

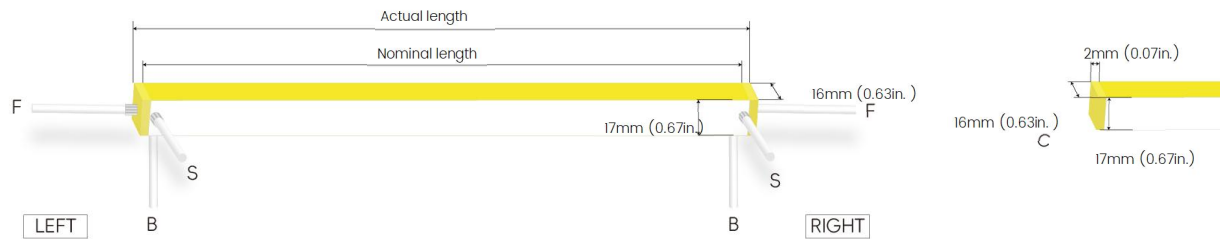
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— C0/180, 109.4
— C30/210, 109.5
— C60/240, 109.9
— C90/270, 110.2

Feed Entry / End Cap Options

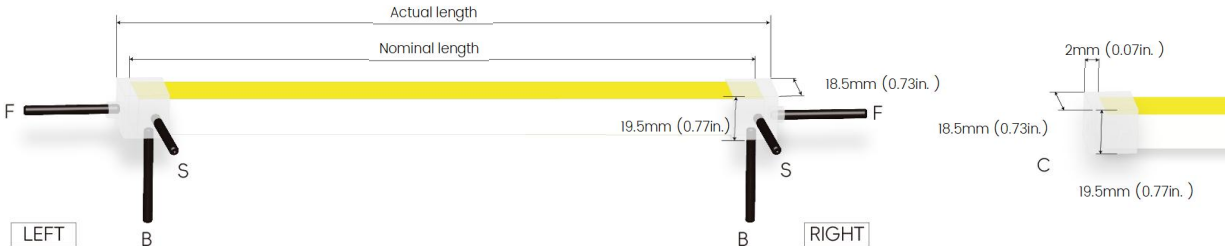
IJ: Injected end cap – IP67, factory-made only



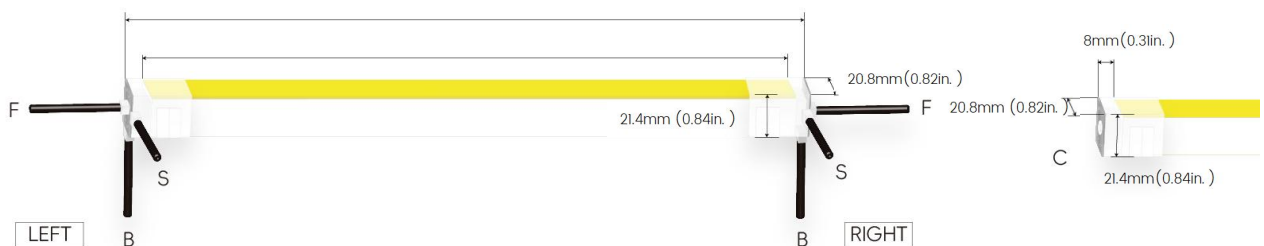
IJC: Clear injected end cap – IP67, factory-made only



SEC: Silicone end cap – IP67



MEC: Mechanical end cap with screws – IP67



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Connector Wire Options



OW: Open wire, **Dry only**
Standard 30cm (0.98ft), 18 AWG (wire length customizable)

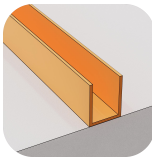
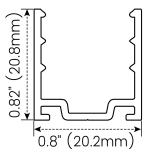
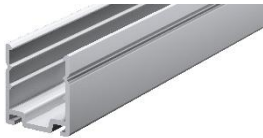


MC: Male connector, **Wet**
Standard 30cm (0.98ft), 18 AWG



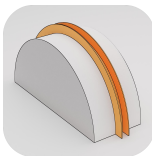
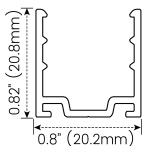
FC: Female connector, **Wet**
Standard 30cm (0.98ft), 18 AWG

Mounting Options



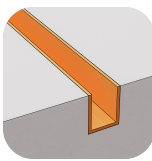
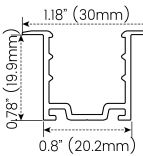
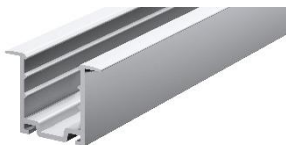
ORLUX-L-SC

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



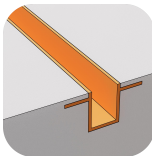
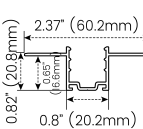
ORLUX-L-BC

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



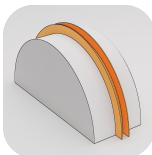
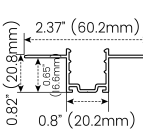
ORLUX-L-RC

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



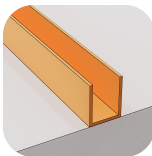
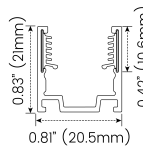
ORLUX-L-MC

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



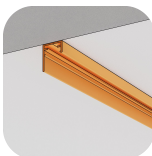
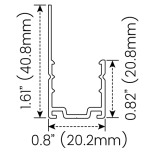
ORLUX-L-BMC

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



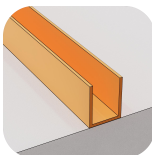
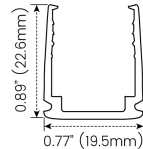
ORLUX-L-SCS

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



ORLUX-L-LBC

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

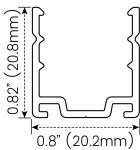


ORLUX-L-PC

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

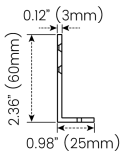
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ORLUX-L-CL

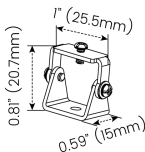
Name	Mounting clip
Material	Aluminum
Standard Length	25mm (0.98in.)



ORLUX-L-LS

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

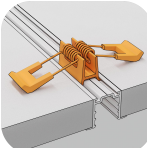
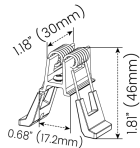
* ORLUX-L-LS can be installed with aluminum channel ORLUX-L-SC.



ORLUX-L-AC

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

* ORLUX-L-LS can be installed with aluminum channel ORLUX-L-SC.



ORLUX-L-RC-SPC

Name	Spring clip
Standard Pkg	1pcs

* ORLUX-L-RC-SPC must be installed with aluminum channel ORLUX-L-RC.

End Caps (Optional, purchase for extra)



ORLUX-L-SEC-C
Silicone closed end cap



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



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



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



ORLUX-L-MEC-C
Mechanical closed end cap with screws



ORLUX-L-MEC-F-2P
Mechanical end cap with screws, front entry with 30cm (0.98ft) cable, 2 pin



ORLUX-L-MEC-LS-2P
Mechanical end cap with screws, left side entry with 30cm (0.98ft) cable, 2 pin



ORLUX-L-MEC-RS-2P
Mechanical end cap with screws, right side entry with 30cm (0.98ft) cable, 2 pin



ORLUX-L-MEC-B-2P
Mechanical end cap with screws, bottom entry with 30cm (0.98ft) cable, 2 pin



ORLUX-L-JC-F-2P
Jumper connector front entry with 7cm (0.23ft) cable, 2 pin, IP67

Additional Accessories (Optional, purchase for extra)



MCW-2P-67
Male connector with 30cm (0.98ft) white cable, 2 pin, IP67, Wet, 18 AWG



FCW-2P-67
Female connector with 30cm (0.98ft) white cable, 2 pin, IP67, Wet, 18 AWG



MCB-2P-67
Male connector with 30cm (0.98ft) black cable, 2 pin, IP67, Wet, 18 AWG



FCB-2P-67
Female connector with 30cm (0.98ft) black cable, 2 pin, IP67, Wet, 18 AWG

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Drivers

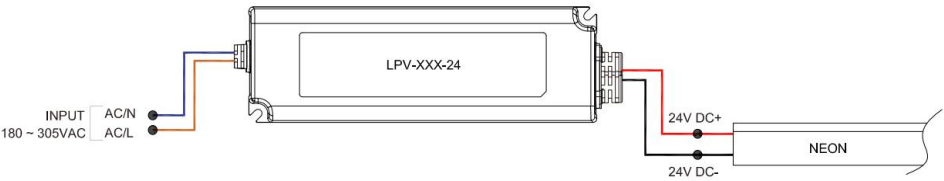
Non-dimmable					
Code	Max Load	Input	Output	Environment	Size (L x W x H)
XLG-150-24-A	150W	100-305VAC	24V	Dry/Damp/IP67	180 * 63 * 35.5 mm
LPV-150-24	150W	100-277VAC		Dry/Damp/IP67	148 * 40 * 30 mm
LRS-150-24	150W	85-132VAC / 170-264VAC		Dry	99 * 97 * 30 mm

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

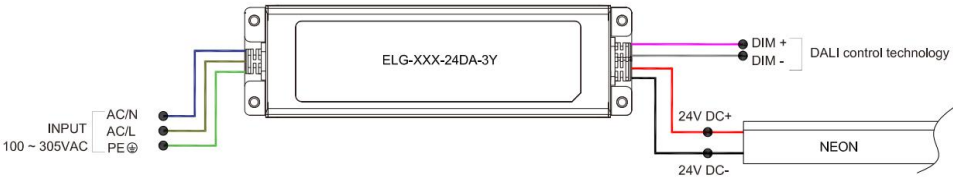
Non-dimmable



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