Beamever

ORLUX LARGE

Designer's Custom Playground

Outdoor · Vertical Bending · Horizontal Bending

Features

- Field-cut anywhere for precise fit and seamless illumination
- IP68 rated, ideal for outdoor uses, not for underwater project
- 5 years warranty

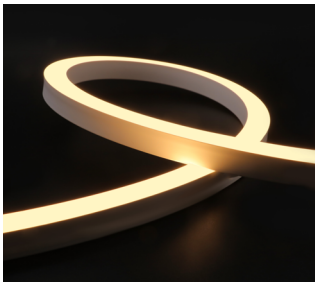
Applications

Hotels, apartments, lobbies, malls, facades, parks & soffits, etc.

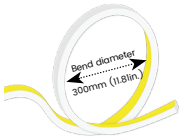
Date | Fixture type

Project name | Project phase

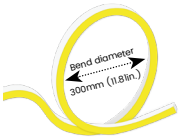




Bending Directions & Diameters

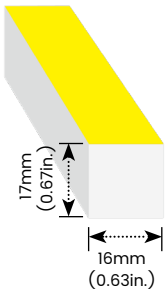


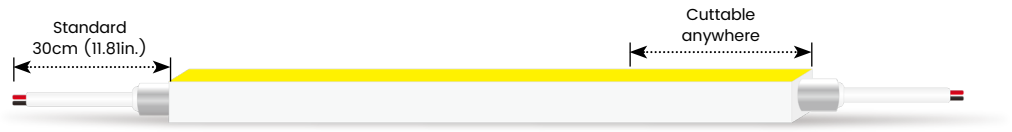
TV - Top View
(Vertical Bending)



SV - Side View
(Horizontal Bending)

Dimensions





Order Code

Model	Environment	Voltage	CCT	Power	End Cap
OTVL **OSVL**	**W8**-Wet (IP68)	**24V**-DC24V	**22K**-2200K **27K**-2700K **30K**-3000K **35K**-3500K **40K**-4000K **53K**-5300K	**100**-10W/M	**FT** Flush Translucent **FO** Flush Opaque

Assembly Builder

Left Feed Entry			
F	Front	**OW**	Open wire 30cm(0.98ft)
B	Bottom	**MC**	Male connector with 30cm(0.98ft) cable
S	Side	**FC**	Female connector with 30cm(0.98ft)cable
C	Closed	**NA**	Only for Closed Feed Entry

Assembly Builder

Right Feed Entry			
F	Front	**OW**	Open wire 30cm(0.98ft)
B	Bottom	**MC**	Male connector with 30cm(0.98ft) cable
S	Side	**FC**	Female connector with 30cm(0.98ft)cable
C	Closed	**NA**	Only for Closed Feed Entry

Length	
Max. nominal	12m (39.4ft)

Mounting Order Code

Product Code
Please select on the Mounting Options page

*We will list the nearest actual manufacturing length on the quotation, based on your requested length.

ORLUX LARGE

Outdoor · Vertical Bending · Horizontal Bending

Lumen Output (lm/m)

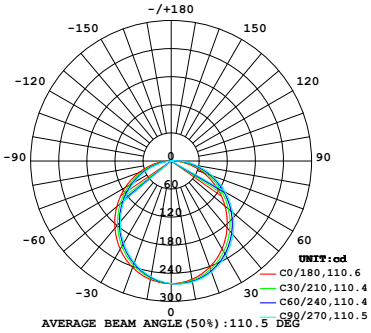
CCT	Vertical Bending	Horizontal Bending
	10W/M	10W/M
2200K	656	543
2700K	711	591
3000K	759	629
3500K	774	642
4000K	790	655
5300K	759	629
Max. Run Length	12m	12m

Techinical Details

Parameter	Vertical Bending	Horizontal Bending
Efficacy	75.9lm/W @3000K 10W	62.9lm/W @3000K 10W
CRI	Ra≥90	Ra≥90
Beam Angle	110°	110°
LED MacAdam	3 steps	3 steps
Average Life (L80B10)	>51,000 hours	>51,000 hours
Storage Temperature	-40°C~ 65°C	-40°C~ 65°C
Operating Temperature	-40°C~ 65°C	-40°C~ 65°C

Photometry

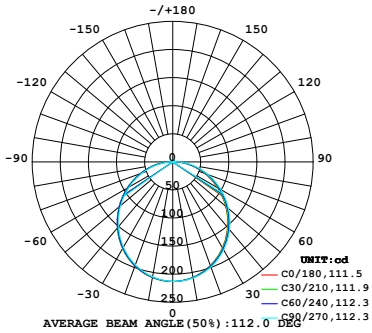
OTVL-W8-24V-30K-100-FT-F-OW-F-OW
ORLUX TV LARGE, Vertical bend, 3000K, 10W/M



Zonal Lumen Summary

Zone	Lumen	% Fixture
0-30	201.6	26.6%
0-40	328.5	43.3%
0-60	577.6	76.1%
0-90	748.8	98.7%
0-180	759.0	100.0%

OSVL-W8-24V-30K-100-FT-F-OW-F-OW
ORLUX SV LARGE, Horizontal bend, 3000K, 10W/M

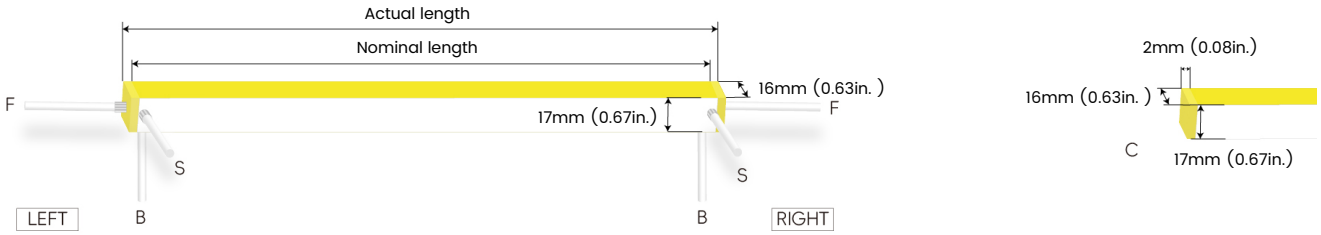


Zonal Lumen Summary

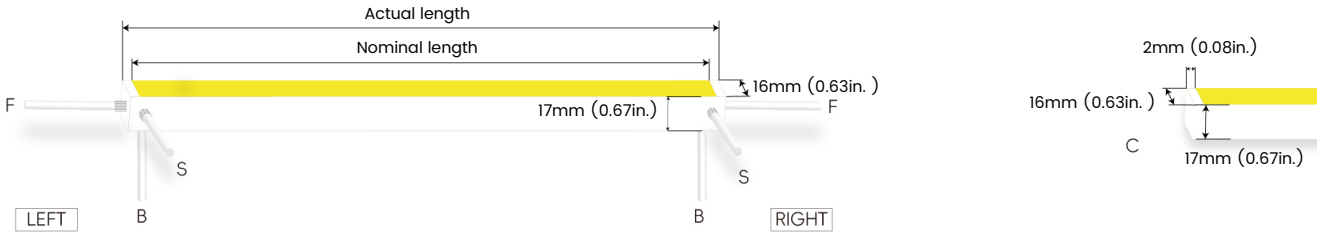
Zone	Lumen	% Fixture
0-30	164.3	26.1%
0-40	268.4	42.7%
0-60	473.9	75.3%
0-90	619.0	98.4%
0-180	629.2	100.0%

Feed Entry / End Cap Options

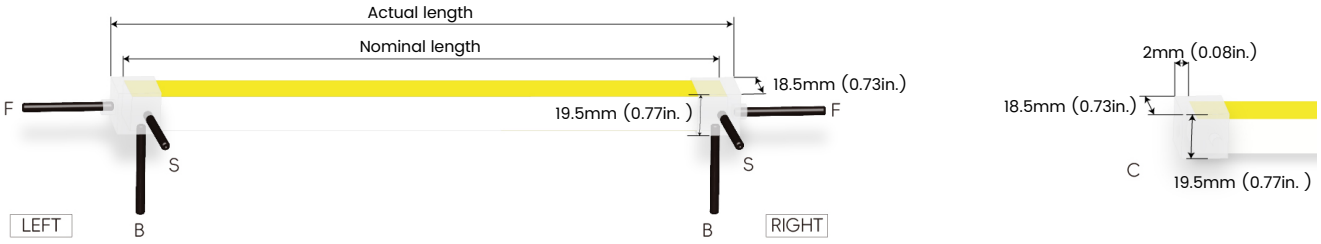
FT: Flush Translucent – IP68, factory-made only



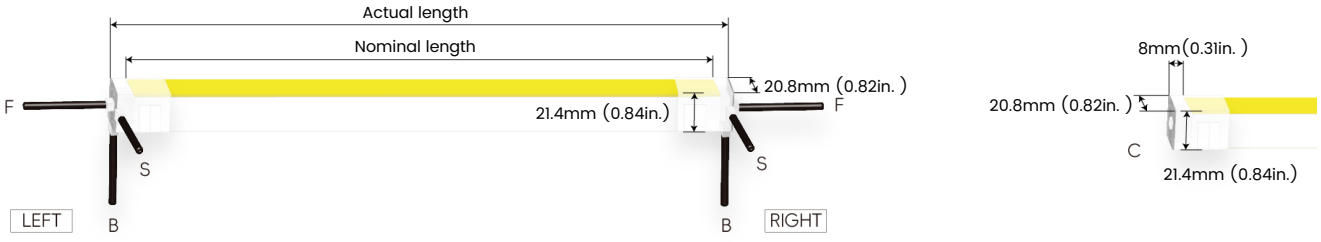
FO: Flush Opaque – IP68, factory-made only



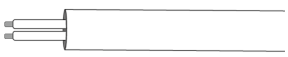
Silicone end cap – IP67, for field cuttable only



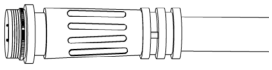
Mechanical end cap with screws – IP67, for field cuttable only



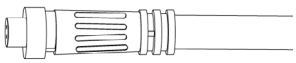
Connector Wire Options



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

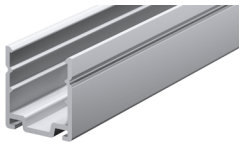
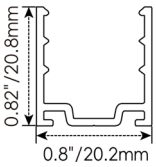


MC: Male connector, **Wet**
Standard 30cm(0.98ft), 18 AWG



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

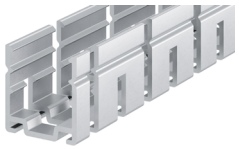
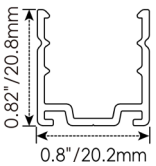
Mounting Options



ORLUXL-SC

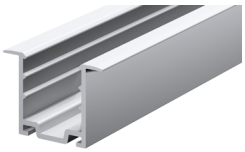
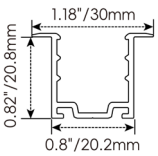
Name	Straight surface channel
Material	Aluminum
Standard Length	1M (3.28ft)




ORLUXL-BC

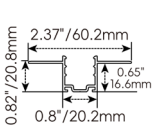
Name	Bendable surface channel
Material	Aluminum
Standard Length	1M (3.28ft)
Min. Bending Diameter	600mm(23.6in.)



ORLUXL-RC

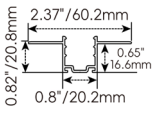
Name	Straight recessed channel
Material	Aluminum
Standard Length	1M (3.28ft)



ORLUXL-MC

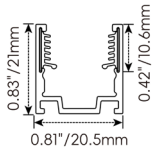
Name	Mud-in channel
Material	Aluminum
Standard Length	1M (3.28ft)




ORLUXL-BMC

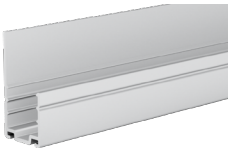
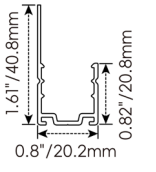
Name	Bendable mud-in channel
Material	Aluminum
Standard Length	1M (3.28ft)
Min. Top Bending Diameter	600mm(23.6in.)
Min. Side Bending Diameter	1600mm(63in.)



ORLUXL-SCS

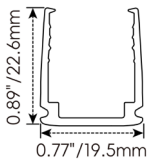
Name	Straight surface channel
Material	Aluminum with silicone groove
Standard Length	1M (3.28ft)



ORLUXL-LBC

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

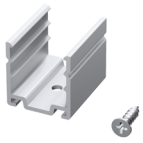



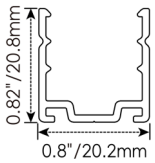


ORLUXL-PC

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

Mounting Options



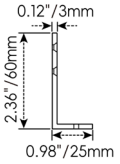




ORLUXL-CL

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







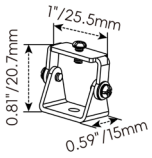


ORLUXL-LS

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

* ORLUXL-LS must be installed with ORLUXL-SC







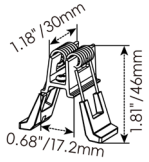


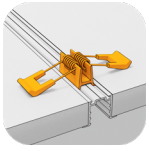
ORLUXL-AC

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

* ORLUXL-AC must be installed with ORLUXL-SC







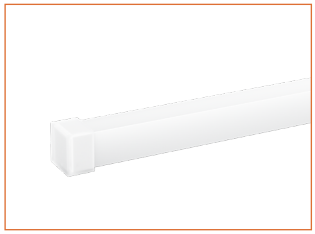


ORLUXL-RC-SPC

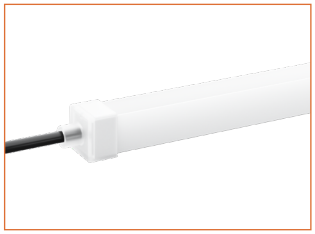
Name	Spring clip
Standard Pkg	1pcs

* ORLUXL-RC-SPC must be installed with ORLUXL-RC

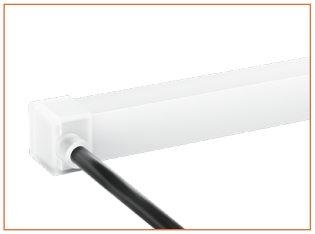
Silicone End Caps (Optional, purchase for extra)



ORLUXL-SEC-C
Silicone closed end cap



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

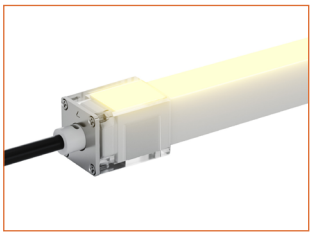


ORLUXL-SEC-S-2P
Silicone end cap side entry with 30cm(0.98ft) cable, 2 pin

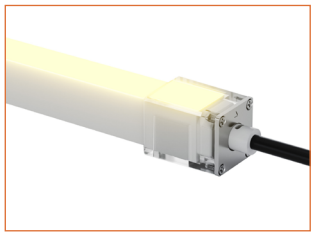


ORLUXL-SEC-B-2P
Silicone end cap bottom entry with 30cm(0.98ft) cable, 2 pin

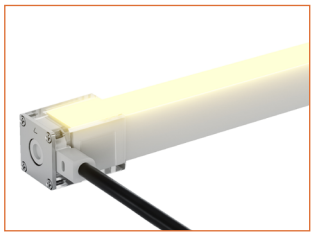
Mechanical End Caps for ORLUX TV LARGE(Optional, purchase for extra)



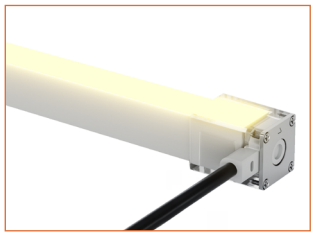
ORLUXL-T-MEC-LF-2P
Mechanical end cap with screws, left front entry,
30cm (0.98ft) cable, 2 pin, IP67



ORLUXL-T-MEC-RF-2P
Mechanical end cap with screws, right front entry,
30cm (0.98ft) cable, 2 pin, IP67



ORLUXL-T-MEC-LS-2P
Mechanical end cap with screws, left side entry,
30cm (0.98ft) cable, 2 pin, IP67



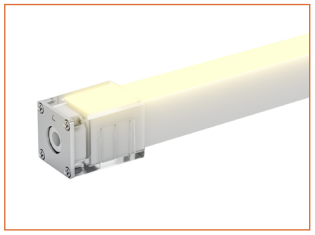
ORLUXL-T-MEC-RS-2P
Mechanical end cap with screws, right side entry,
30cm (0.98ft) cable, 2 pin, IP67



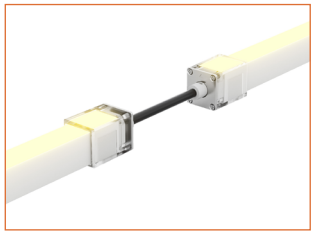
ORLUXL-T-MEC-LB-2P
Mechanical end cap with screws, left bottom entry,
30cm (0.98ft) cable, 2 pin, IP67



ORLUXL-T-MEC-RB-2P
Mechanical end cap with screws, right bottom entry,
30cm (0.98ft) cable, 2 pin, IP67

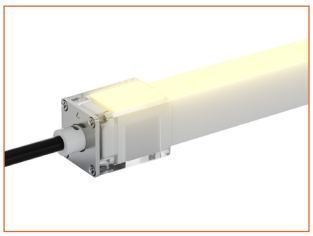


ORLUXL-T-MEC-C
Mechanical closed end cap with screws, IP67

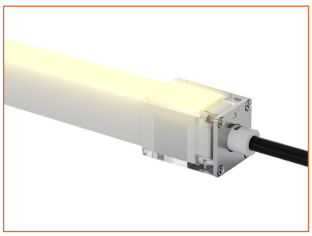


ORLUXL-T-JC-F-2P
Jumper connector front entry,
7cm (0.23ft) cable, 2 pin, IP67

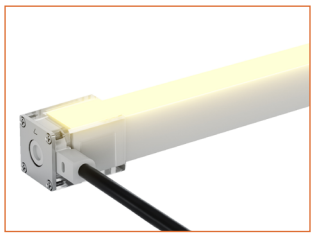
Mechanical End Caps for ORLUX SV LARGE(Optional, purchase for extra)



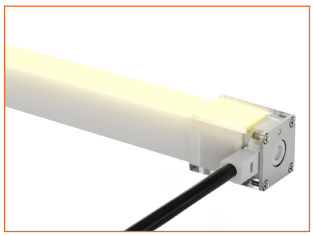
ORLUXL-S-MEC-LF-2P
Mechanical end cap with screws,
left front entry,
30cm (0.98ft) cable, 2 pin, IP67



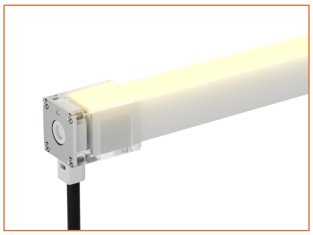
ORLUXL-S-MEC-RF-2P
Mechanical end cap with screws,
right front entry,
30cm (0.98ft) cable, 2 pin, IP67



ORLUXL-S-MEC-LS-2P
Mechanical end cap with screws,
left side entry,
30cm (0.98ft) cable, 2 pin, IP67



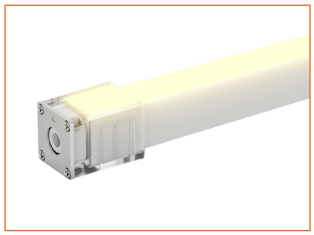
ORLUXL-S-MEC-RS-2P
Mechanical end cap with screws,
right side entry,
30cm (0.98ft) cable, 2 pin, IP67



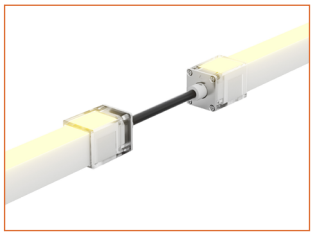
ORLUXL-S-MEC-LB-2P
Mechanical end cap with screws,
left bottom entry,
30cm (0.98ft) cable, 2 pin, IP67



ORLUXL-S-MEC-RB-2P
Mechanical end cap with screws,
right bottom entry,
30cm (0.98ft) cable, 2 pin, IP67



ORLUXL-S-MEC-C
Mechanical closed end cap with
screws, IP67



ORLUXL-S-JC-F-2P
Jumper connector front entry,
7cm (0.23ft) cable, 2 pin, IP67

Additional Accessories (Optional, purchase for extra)



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



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



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



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

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	180-305VAC	24V	Dry/Damp/IP67	148 * 40 * 30 mm
LRS-150-24	150W	85-132VAC / 170-264VAC	24V	Dry	99 * 97 * 30 mm

3 in 1-dimmable

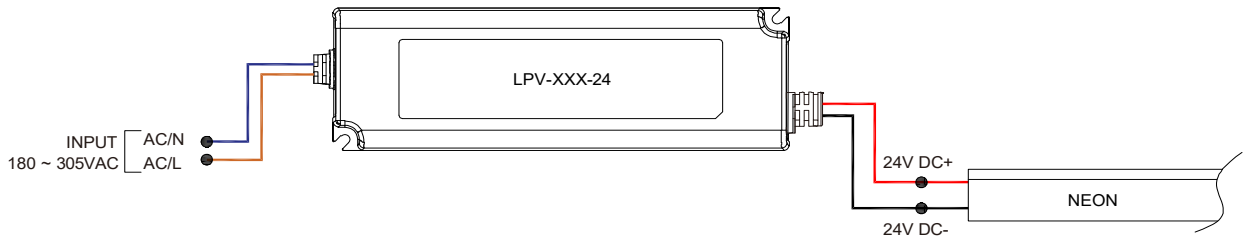
Code	Max Load	Input	Output	Environment	Size (L x W x H)
ELG-150-24B-3Y	150W	100-305VAC	24V	Dry/Damp/IP67	219 * 63 * 35.5 mm
PWM-120-24	120W	90-305VAC	24V	Dry/Damp/IP67	191 * 63 * 37.5 mm

DALI-dimmable

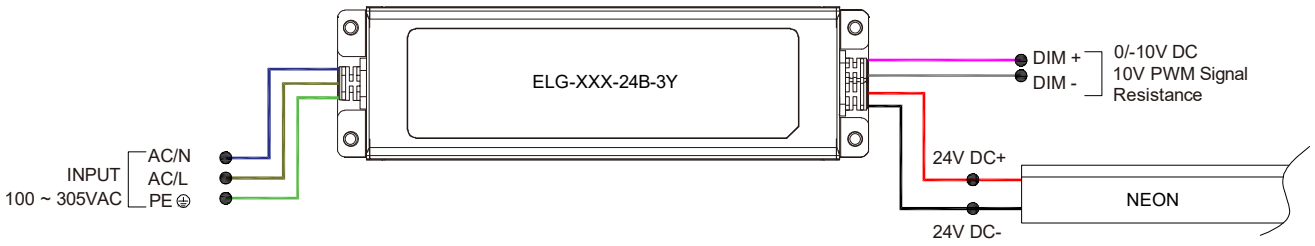
Code	Max Load	Input	Output	Environment	Size (L x W x H)
ELG-150-24DA-3Y	150W	100-305VAC	24V	Dry/Damp/IP67	219 * 63 * 35.5 mm

Wiring Diagram

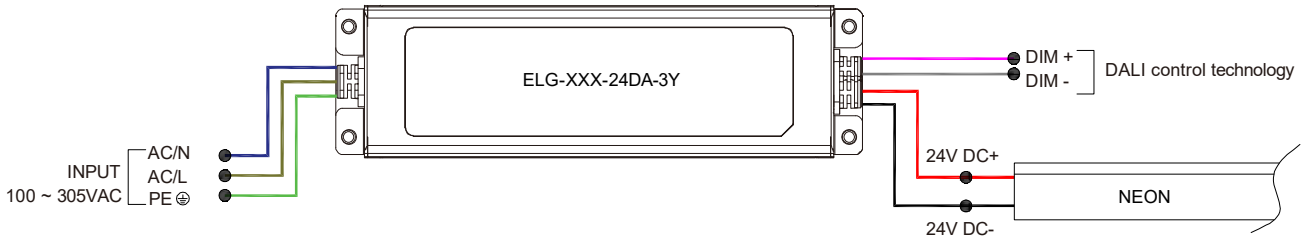
Non-dimmable



3 in 1-dimmable



DALI-dimmable



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	8AWG	10AWG	12AWG	14AWG	16AWG	18AWG	20AWG	22AWG
10W / 0.4A	484.0m	304.5m	191.4m	120.4m	75.5m	47.5m	29.8m	18.5m
20W / 0.8A	242.0m	152.1m	95.7m	60.0m	37.8m	23.7m	14.9m	9.1m
30W / 1.3A	161.2m	101.5m	63.7m	39.9m	24.9m	15.8m	9.7m	6.1m
40W / 1.7A	121.0m	75.9m	47.8m	29.8m	18.9m	11.8m	7.3m	4.5m
50W / 2.1A	96.6m	60.6m	38.1m	24.0m	14.9m	9.4m	5.7m	3.6m
60W / 2.5A	80.4m	50.6m	31.7m	19.8m	12.5m	7.9m	4.8m	3.0m
70W / 2.9A	68.8m	43.2m	27.1m	17.0m	10.6m	6.7m	4.2m	2.4m
80W / 3.3A	60.3m	37.8m	23.7m	14.9m	9.4m	5.7m	3.6m	2.1m
90W / 3.8A	53.6m	33.8m	21.0m	13.1m	8.2m	5.1m	3.0m	1.8m
100W / 4.2A	48.1m	30.1m	18.9m	11.8m	7.3m	4.5m	2.7m	1.8m
110W / 4.6A	43.8m	27.4m	17.3m	10.6m	6.7m	4.2m	2.7m	1.5m
120W / 5.0A	40.2m	25.3m	15.8m	9.7m	6.1m	3.9m	2.4m	1.5m
130W / 5.4A	37.1m	23.1m	14.6m	9.1m	5.7m	3.6m	2.1m	1.2m
140W / 5.8A	34.4m	21.6m	13.4m	8.5m	5.1m	3.3m	2.1m	1.2m
150W / 6.3A	32.0m	20.1m	12.5m	7.9m	4.8m	3.0m	1.8m	1.2m
160W / 6.7A	30.1m	18.9m	11.8m	7.3m	4.5m	2.7m	1.8m	0.9m
170W / 7.1A	28.3m	17.6m	10.9m	7.0m	4.2m	2.7m	1.5m	0.9m
180W / 7.5A	26.8m	16.7m	10.3m	6.7m	3.9m	2.4m	1.5m	0.9m
190W / 7.9A	25.3m	15.8m	10.0m	6.0m	3.9m	2.4m	1.5m	0.9m
200W / 8.3A	24.0m	14.9m	9.4m	5.7m	3.6m	2.1m	1.2m	0.9m
210W / 8.8A	22.8m	14.3m	8.8m	5.4m	3.3m	2.1m	1.2m	0.6m
220W / 9.2A	21.9m	13.7m	8.5m	5.4m	3.3m	2.1m	1.2m	0.6m
230W / 9.6A	21.0m	13.1m	8.2m	5.1m	3.0m	1.8m	1.2m	0.6m
240W / 10.0A	20.1m	12.5m	7.9m	4.8m	3.0m	1.8m	1.2m	0.6m
250W / 10.4A	19.2m	12.1m	7.6m	4.5m	2.7m	1.8m	0.9m	0.6m