Beamever

ORLUX MEDIUM

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

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

Date

Fixture type

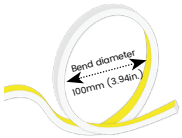
Project name

Project phase

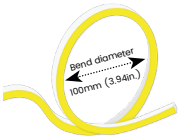




Bending Directions & Diameters

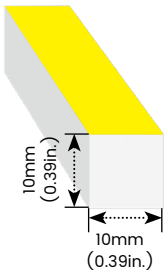


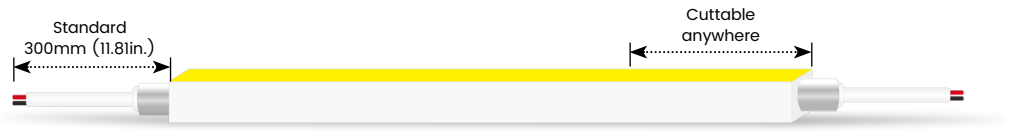
TV - Top View
(Vertical Bending)



SV - Side View
(Horizontal Bending)

Dimensions





Order Code

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

Assembly Builder

Left Feed Entry			
F	Front	**OW**	Open wire 300mm (11.81in.)
B	Bottom	**OA**	Open Wire with Anti-Wicking Ferrule
S	Side	**MC**	Male connector with 300mm (11.81in.) cable
C	Closed	**FC**	Female connector with 300mm (11.81in.)cable
		NA	Only for Closed Feed Entry

Assembly Builder

Right Feed Entry			
F	Front	**OW**	Open wire 300mm (11.81in.)
B	Bottom	**OA**	Open Wire with Anti-Wicking Ferrule
S	Side	**MC**	Male connector with 300mm (11.81in.) cable
C	Closed	**FC**	Female connector with 300mm (11.81in.)cable
		NA	Only for Closed Feed Entry

Length	
Max. nominal	5m (16.4ft)

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 MEDIUM

Outdoor · Vertical Bending · Horizontal Bending

Lumen Output (lm/m)

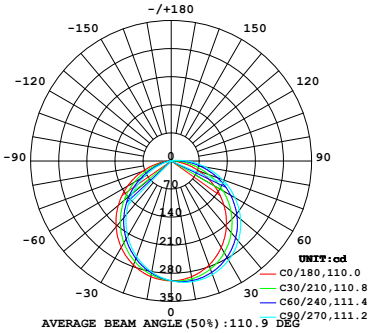
CCT	Vertical Bending	Horizontal Bending
	10W/M	10W/M
2200K	750	650
2700K	840	740
3000K	870	770
3500K	900	800
4000K	900	800
5300K	900	780
Max. Run Length	5m	5m

Techinical Details

Parameter	Vertical Bending	Horizontal Bending
Efficacy	87lm/W @3000K 10W	77lm/W @3000K 10W
CRI	Ra≥90	Ra≥90
Beam Angle	110°	110°
LED MacAdam	3 steps	3 steps
Average Life (L70B10)	>44,000 hours	>44,000 hours
Storage Temperature	-40°C~ 65°C	-40°C~ 65°C
Operating Temperature	-40°C~ 65°C	-40°C~ 65°C

Photometry

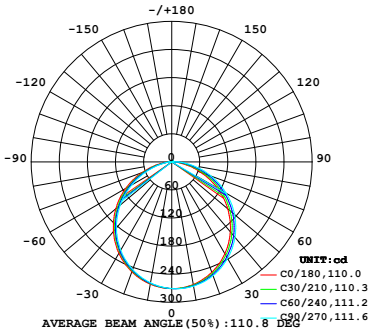
OTVM-W8-24V-30K-100-FT-F-OW-F-OW
ORLUX TV MEDIUM, Vertical bend, 3000K, 10W/M



Zonal Lumen Summary

Zone	Lumen	% Fixture
0-30	230.7	26.6%
0-40	376.9	43.4%
0-60	663.0	76.3%
0-90	853.0	98.2%
0-180	868.8	100.0%

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

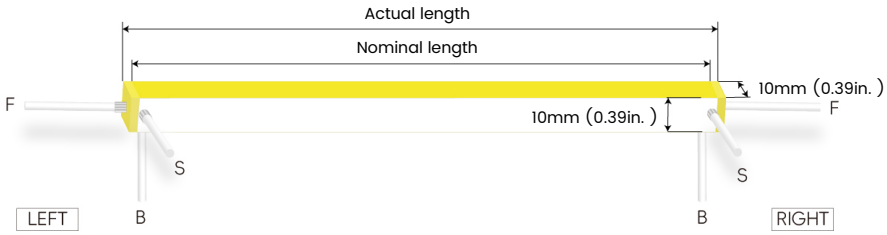


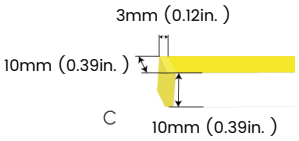
Zonal Lumen Summary

Zone	Lumen	% Fixture
0-30	209.5	27.1%
0-40	342.3	44.3%
0-60	601.7	78.0%
0-90	761.4	98.6%
0-180	771.9	100.0%

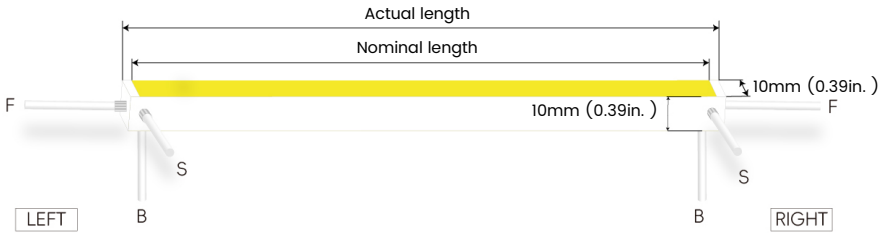
Feed Entry / End Cap Options

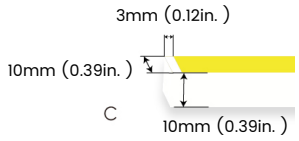
FT: Flush Translucent – IP68, factory-made only



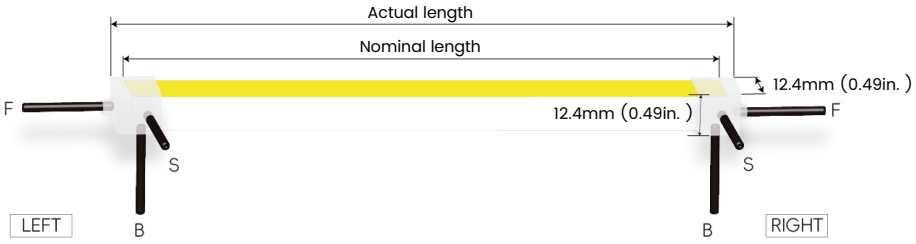


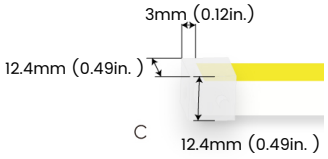
FO: Flush Opaque – IP68, factory-made only





Silicone end cap – IP67, for field cuttable only

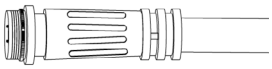




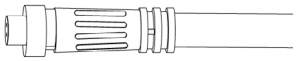
Connector Wire Options



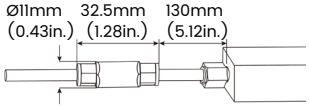
OW: Open wire, **Dry only**
Standard 300mm (11.81in.),20 AWG,
wire length customizable



MC: Male connector, **Wet**
Standard 300mm (11.81in.), 20 AWG

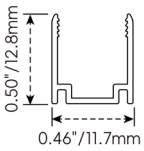


FC: Female connector, **Wet**
Standard 300mm (11.81in.), 20 AWG



OA: Open Wire with **Anti-Wicking Ferrule, Wet**
Standard 300mm (11.81in.),20 AWG,
Protects against water ingress through the power cable

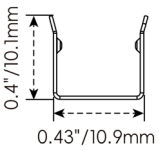
Mounting Options



NF1010-SC

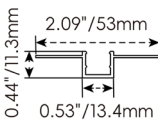
Name	Straight surface channel
Material	Aluminum
Standard Length	1m (3.28ft)




NF1010-BC

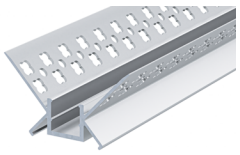
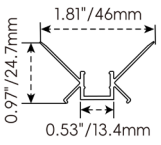
Name	Bendable surface channel
Material	Stainless Steel
Standard Length	1m (3.28ft)
Min. Bending Diameter	100mm(3.94in.)
*Not suitable for upside-down installation	



NF1010-MC

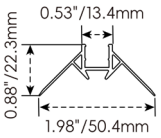
Name	Mud-in channel
Material	Aluminum
Standard Length	1m (3.28ft)



NF1010-IC

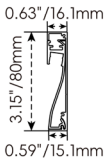
Name	Inside corner channel
Material	Aluminum
Standard Length	1m (3.28ft)



NF1010-OC

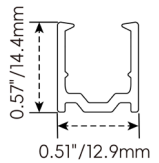
Name	Outside corner channel
Material	Aluminum
Standard Length	1m (3.28ft)



NF1010-SBC

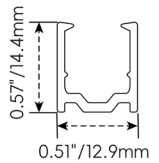
Name	Skirting board channel
Material	Aluminum
Standard Length	1m (3.28ft)





NF1010-PC

Name	PC channel
Material	PC
Standard Length	1m (3.28ft)



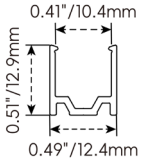



NF1010-BPC

Name	Bendable PC channel
Material	PC
Standard Length	1m (3.28ft)

Mounting Options



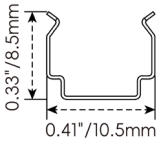




NF1010-CL

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



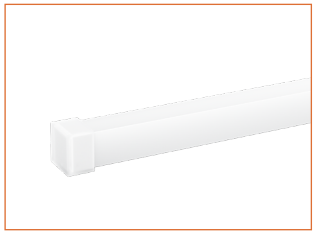




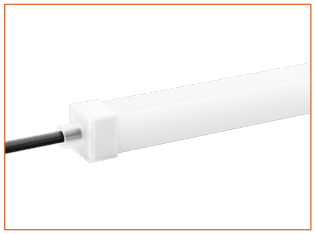
NF1010-CLS

Name	Mounting clip
Material	Stainless Steel
Standard Length	7mm(0.28in.)
*Not suitable for upside-down installation	

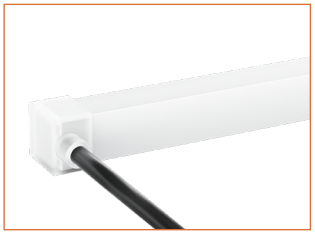
Silicone End Caps (Optional, purchase for extra)



NF1010-SEC-C
Silicone closed end cap



NF1010-SEC-F-2P
Silicone end cap front entry with 300mm (11.81in.) cable, 2 pin



NF1010-SEC-S-2P
Silicone end cap side entry with 300mm (11.81in.) cable, 2 pin



NF1010-SEC-B-2P
Silicone end cap bottom entry with 300mm (11.81in.) cable, 2 pin

Additional Accessories (Optional, purchase for extra)



MCW-2P-67
Male connector,
300mm (11.81in.)white cable,
2 pin, IP67, Wet, 20 AWG



FCW-2P-67
Female connector,
300mm (11.81in.) white cable,
2 pin, IP67, Wet, 20 AWG



MCB-2P-67
Male connector,
300mm (11.81in.) black cable,
2 pin, IP67, Wet, 20 AWG



FCB-2P-67
Female connector,
300mm (11.81in.) black cable,
2 pin, IP67, Wet, 20 AWG



ADJS
1 Adjustable Angle Scissors Set,
with 4 Spare Blades

Drivers

Non-dimmable

Code	Max Load	Input	Output	Environment	Size (L x W x H)
ELG-150-24A-3Y	150W	100-305VAC	24V	Dry/Damp/IP67	219 * 63 * 35.5 mm
LRS-150-24	150W	85-132VAC / 170-264VAC	24V	Dry	159 * 97 * 30 mm

3 in 1-dimmable

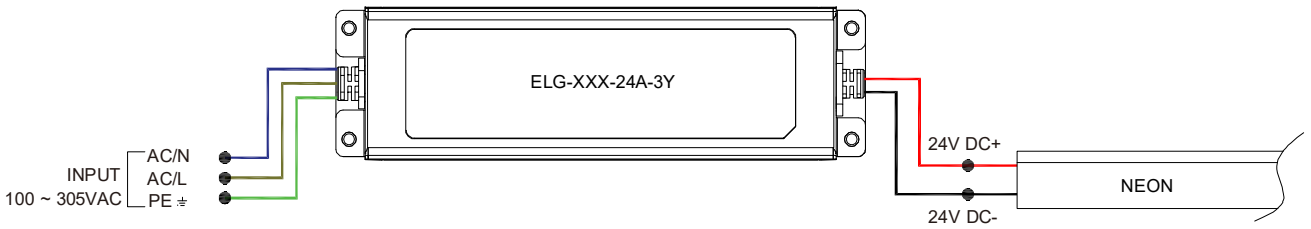
Code	Max Load	Input	Output	Environment	Size (L x W x H)
ELG-150-24B-3Y	150W	100-305VAC	24V	Dry/Damp/IP67	219 * 63 * 35.5 mm

DALI-dimmable

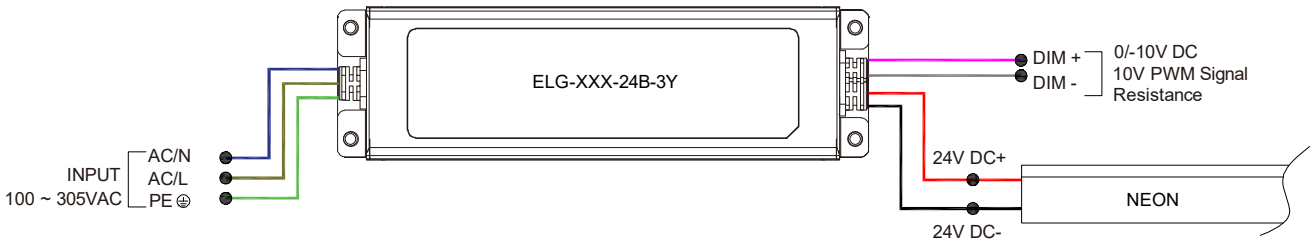
Code	Max Load	Input	Output	Environment	Size (L x W x H)
ELG-150-24DA-3Y	150W	100-305VAC	24V	Dry/Damp/IP67	219 * 63 * 35.5 mm

Wiring Diagram

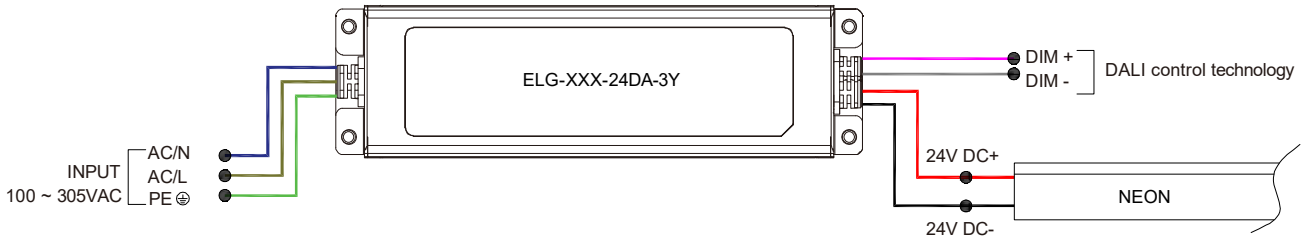
Non-dimmable



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