AERO TAPE ECO

Indoor · Static White

Date | Fixture type

Project name | Project phase

Features

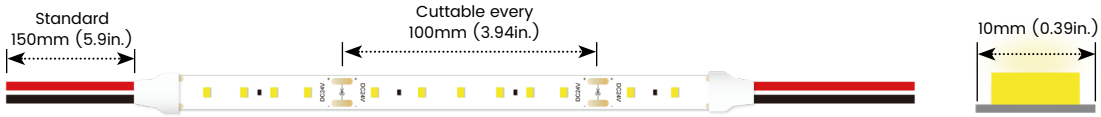
- Budget friendly SMD tape with various output & CCT options
- IP20 rated, ideal for indoor non-condensing uses
- 5 years warranty

Applications

Under cabinets, coves, shelves, bedrooms, offices, hallways, etc.



Dimensions



Order Code

Model	Environment	Voltage	CCT	Power
AEROE	**D2**-Dry (IP20)	**24V**-DC24V	**18K**-1800K **22K**-2200K **24K**-2400K **27K**-2700K **30K**-3000K **35K**-3500K **40K**-4000K **65K**-6500K	**048**-4.8W/M **096**-9.6W/M **144**-14.4W/M

Assembly Builder

Left Feed Entry			
F	Front	**OW**	Open wire 150mm(5.9in.)
C	Closed	**MC**	Male connector with 200mm(7.87in.) cable
		FC	Female connector with 200mm(7.87in.) cable
		NA	Only for Closed Feed Entry

Assembly Builder

Right Feed Entry			
F	Front	**OW**	Open wire 150mm(5.9in.)
C	Closed	**MC**	Male connector with 200mm(7.87in.) cable
		FC	Female connector with 200mm(7.87in.) cable
		NA	Only for Closed Feed Entry

Length	
Increment	100mm (3.94in.)

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

Channel Order Code

Product Code	Colors*	Lens	Clip*	Length
Please select on the Extrusion Compatibility page	■ **S** Silver anodized □ **W** White lacquered ■ **B** Black anodized	**OP** Opal **FR** Frosted **CL** Clear	**MCL** Metal clip **PCL** Plastic clip **ACL** Adjustable angle clip	1m(3.28ft) 2m (6.56ft)

*For custom RAL colors, please inquire.
*Please refer to the Channel Compatibility page for compatible clip options.

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Lumen Output (lm/m)

CCT	4.8W/M	9.6W/M	14.4W/M
1800K	385	765	1145
2200K	400	790	1185
2400K	415	820	1230
2700K	440	870	1295
3000K	450	895	1340
3500K	455	905	1350
4000K	470	930	1395
6500K	460	915	1365
Max. Run Length	11m	8m	6m

Techinical Details

Width	10mm (0.39in.)
LED Quantity	60 LEDs/M (18 LEDs/ft)
Beam Angle	120°
Efficacy	93lm/W @3000K 9.6W
CRI	Ra≥90
LED MacAdam	3 steps
Average Life (L70)	>50,000 hours
Max. Length Per Reel	50m(164ft)
Storage Temperature	-25°C~ 60°C
Ambient Temperature	-25°C~ 45°C

Feed Entry Options



F: Front

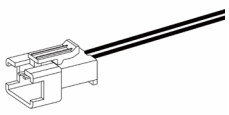


C: Closed

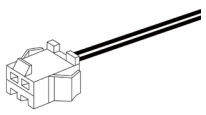
Connector Wire Options



OW: Open wire, **Dry only**
Standard 150mm(5.9in.),20 AWG,
wire length customizable



MC: Male connector, **Dry**
Standard 200mm(7.87in.), 20 AWG



FC: Female connector, **Dry**
Standard 200mm(7.87in.), 20 AWG

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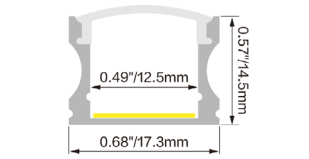
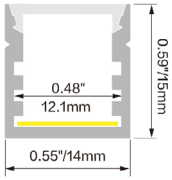
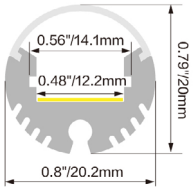
Channel Compatibility

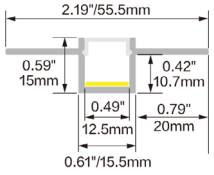
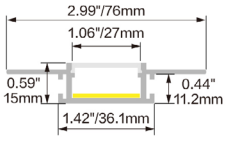
*Non-standard option, please contact us for customization support.

Lens Type & Light Transmission		
CL Clear	FR Frosted	OP Opal

Surface

BE1202	BE1415	BE2020
CL 63% FR 58% OP 47%	CL 54% FR 49% OP 40%	CL 79% FR 72% OP 59%
		
Accommodates 1 LED strip	Accommodates 1 LED strip	Accommodates 1 LED strip
Clip Options: Metal/Plastic/Adjustable angle clip	Clip Options: Metal clip	Clip Options: Metal clip

Mud-in

BE5615	BE7615
CL 59% FR 54% OP 44%	CL 71% FR 65% OP 53%
	
Accommodates 1 LED strip	Accommodates up to 2 LED strips
Clip Options: N/A	Clip Options: N/A

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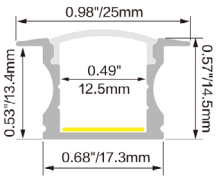
Recessed

BE1201

CL 63% FR 57% OP 47%

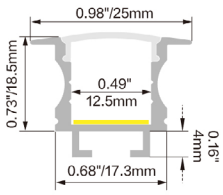


Accommodates 1 LED strip

Clip Options:
Metal/Plastic clip

BE1207

CL 62% FR 57% OP 47%

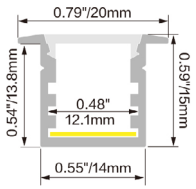


Accommodates 1 LED strip

Clip Options:
Spring clip

BE2015

CL 55% FR 51% OP 41%

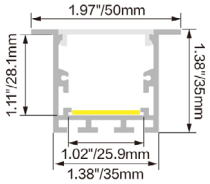


Accommodates 1 LED strip

Clip Options:
N/A

BE5035

CL 53% FR 48% OP 40%

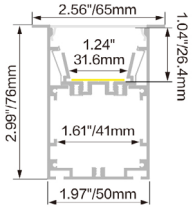


Accommodates up to 2 LED strips

Clip Options:
Spring clip

BE6575

CL 65% FR 59% OP 48%



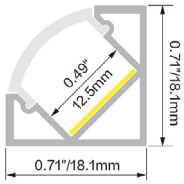
Accommodates up to 2 LED strips

Clip Options:
N/A

Corner

BE1203

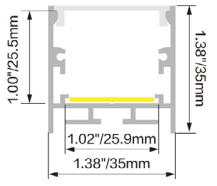
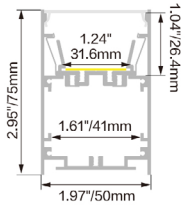
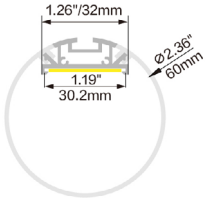
CL 73% FR 67% OP 55%



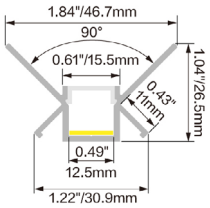
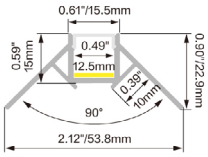
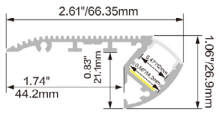
Accommodates 1 LED strip

Clip Options:
Metal/Plastic clip

Suspended

BE3535	BE5075	BE60
CL 55% FR 50% OP 41%	CL 63% FR 57% OP 47%	CL 86% FR 79% OP 64%
		
Accommodates up to 2 LED strips	Accommodates up to 2 LED strips	Accommodates up to 2 LED strips
Clip Options: Metal clip	Clip Options: Metal clip	Clip Options: Metal clip

Specialty

BE4615 Borderless Inside Corner	BE5315 Borderless Outside Corner	BE6728 Staircase
CL 59% FR 54% OP 44%	CL 59% FR 54% OP 44%	CL 54% FR 49% OP 40%
		
Accommodates 1 LED strip	Accommodates 1 LED strip	Accommodates 1 LED strip
Clip Options: N/A	Clip Options: N/A	Clip Options: N/A

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Connectors (Optional, purchase for extra)

Max. Run Length - With Connector

Tape Power	4.8W/M	9.6W/M	14.4W/M
Max. Run Length	11.0m	8.0m	5.6m

*Note: Maximum current through the connector must not exceed 4A.



N6012-STCN-2P-10
Strip to cable connector without wire,
for 10mm (0.39in.) tape, 2 pin,IP20



N6012-STS-2P-10
Strip to strip connector,
for 10mm (0.39in.) tape, 2 pin,IP20



C6012-LC-2P-10
L-shaped corner connector,
for 10mm (0.39in.) tape, 2 pin,IP20



C6012-RC-2P-10
R-shaped corner connector,
for 10mm (0.39in.) tape, 2 pin,IP20



N6012-STC-2P-10
Strip to cable connector with 150mm (5.91in.) wire,
for 10mm (0.39in.) tape, 2 pin,IP20



N6012-STSJ-2P-10
Strip to strip jumper connector with 150mm(5.91in.) wire,
for 10mm (0.39in.) tape, 2 pin,IP20

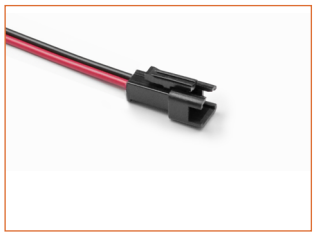


N6012-STDCB-2P-10
Strip to cable with black female connector,
for 10mm (0.39in.) tape, 2 pin,IP20

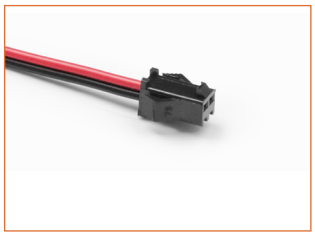


N6012-STDCW-2P-10
Strip to cable with white female connector,
for 10mm (0.39in.) tape, 2 pin,IP20

Additional Accessories (Optional, purchase for extra)



MC-2P-20
Male connector,
200mm (7.87in.) red&black cable,
2 pin, IP20, 20 AWG



FC-2P-20
Female connector,
200mm (7.87in.) red&black cable,
2 pin, IP20, 20 AWG



VHB
VHB 3M adhesive back tape, stronger stickiness

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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

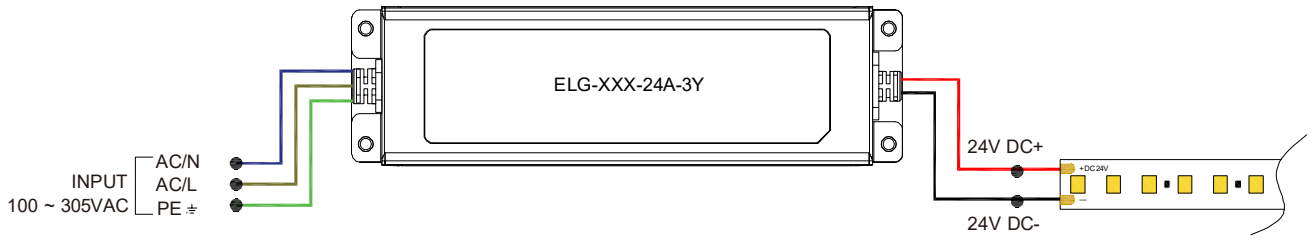
Code	Max Load	Input	Output	Environment	Size (L x W x H)
ELG-150-24B-3Y	150W	100-305VAC	24V	Dry/Damp/IP67	219 * 63 * 35.5 mm

DALI-dimmable

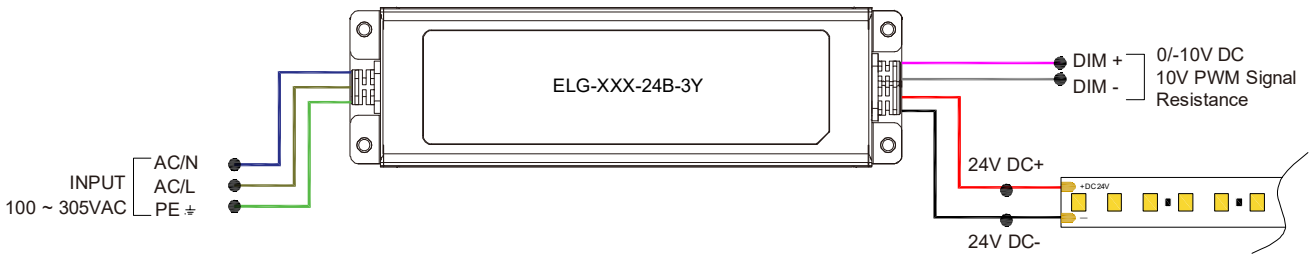
Code	Max Load	Input	Output	Environment	Size (L x W x H)
ELG-150-24DA-3Y	150W	100-305VAC	24V	Dry/Damp/IP67	219 * 63 * 35.5 mm

Wiring Diagram

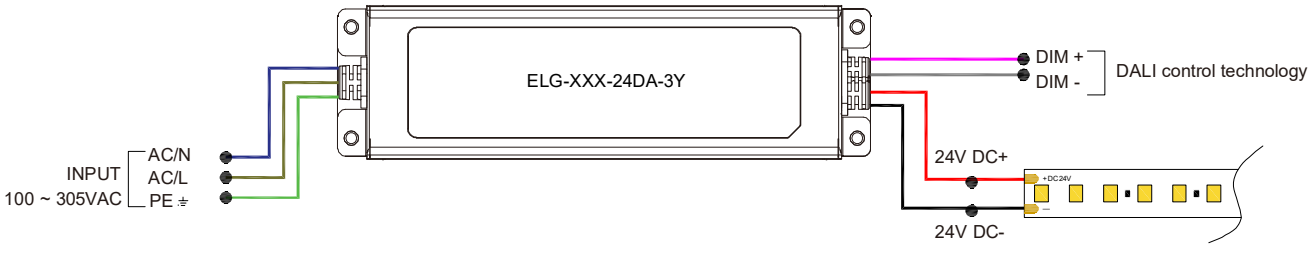
Non-dimmable



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