Beamever

AERO TAPE HD

Designer's Custom Playground

Indoor · Static White

Date

Fixture type

Project name

Project phase

Features

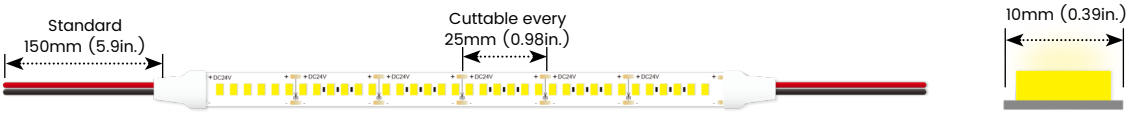
- High density LED provides less visible diodes
- IP20 rated, ideal for indoor non-condensing uses
- 5 years warranty

Applications

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



Dimensions



Order Code

Model	Environment	Voltage	CCT	Power
AEROHD	**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 **192**-19.2W/M **240**-24W/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	25mm (0.98in.)

*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	19.2W/M	24W/M
1800K	400	780	1170	1560	1940
2200K	410	810	1210	1610	2010
2400K	430	840	1260	1670	2080
2700K	450	890	1330	1760	2200
3000K	465	920	1370	1820	2270
3500K	470	930	1380	1840	2300
4000K	485	960	1430	1900	2370
6500K	480	940	1400	1860	2320
Max. Run Length	10m	7m	5m	6m	5m

Techinical Details

Width	10mm (0.39in.)
LED Quantity	240 LEDs/M (72 LEDs/ft)
Beam Angle	120°
Efficacy	96lm/W @3000K 9.6W
CRI	Ra≥90
LED MacAdam	3 steps
Average Life (L70)	>54,000 hours
Max. Length Per Reel	50m(164ft)
Storage Temperature	-25°C~ 60°C
Ambient Temperature	-25°C~ 45°C

Feed Entry Options



F: Front

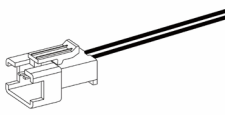


C: Closed

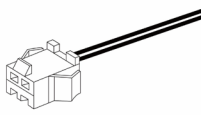
Connector Wire Options



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

AERO TAPE HD

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Channel Compatibility

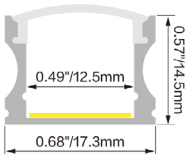
*Non-standard option, please contact us for customization support.

Lens Type & Light Transmission		
CL Clear	FR Frosted	OP Opal

Surface

BE1202

CL 63% FR 58% OP 47%

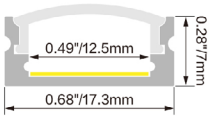


Accommodates 1 LED strip

Clip Options:
Metal/Plastic/Adjustable angle clip

BE1205

CL 84% FR 76% OP 63%

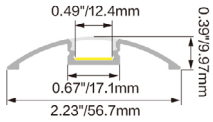


Accommodates 1 LED strip

Clip Options:
Metal/Plastic/Adjustable angle clip

BE1206

CL 78% FR 72% OP 59%

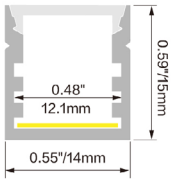


Accommodates 1 LED strip

Clip Options:
Metal/Plastic clip

BE1415

CL 53% FR 48% OP 39%

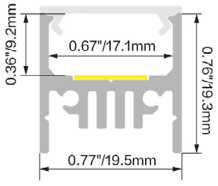


Accommodates 1 LED strip

Clip Options:
Metal clip

BE1919

CL 76% FR 69% OP 57%

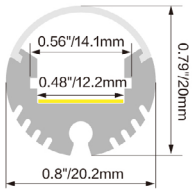


Accommodates 1 LED strip

Clip Options:
Metal clip

BE2020

CL 77% FR 70% OP 58%



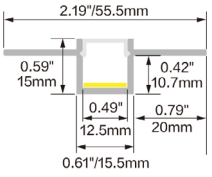
Accommodates 1 LED strip

Clip Options:
Metal clip

Mud-in

BE5615

CL 59% FR 54% OP 44%

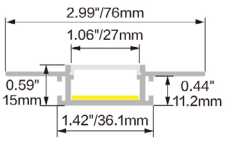


Accommodates 1 LED strip

Clip Options:
N/A

BE7615

CL 71% FR 65% OP 53%



Accommodates up to 2 LED strips

Clip Options:
N/A

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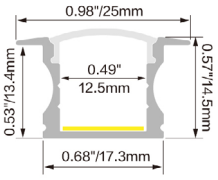
Recessed

BE1201

CL 62% FR 56% OP 46%

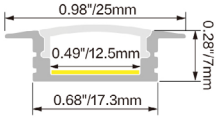


Accommodates 1 LED strip

Clip Options:
Metal/Plastic clip

BE1204

CL 83% FR 76% OP 62%

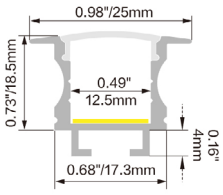


Accommodates 1 LED strip

Clip Options:
Metal/Plastic clip

BE1207

CL 61% FR 55% OP 45%

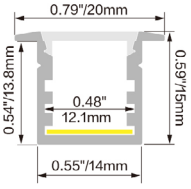


Accommodates 1 LED strip

Clip Options:
Spring clip

BE2015

CL 54% FR 50% OP 41%

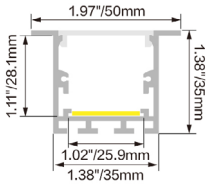


Accommodates 1 LED strip

Clip Options:
N/A

BE5035

CL 54% FR 49% OP 40%

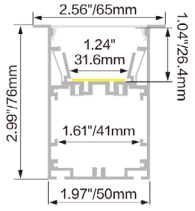


Accommodates up to 2 LED strips

Clip Options:
Spring clip

BE6575

CL 65% FR 59% OP 49%



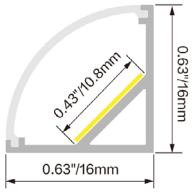
Accommodates up to 2 LED strips

Clip Options:
N/A

Corner

BE1002

CL 86% FR 78% OP 64%

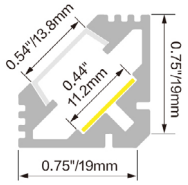


Accommodates 1 LED strip

Clip Options:
Metal/Plastic clip

BE1101

CL 57% FR 52% OP 42%

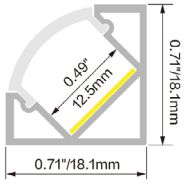


Accommodates 1 LED strip

Clip Options:
Metal clip

BE1203

CL 74% FR 67% OP 55%



Accommodates 1 LED strip

Clip Options:
Metal/Plastic clip

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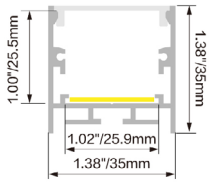
Suspended

BE3535

CL 56% FR 51% OP 42%

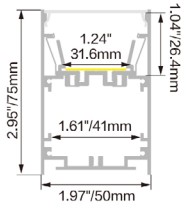


Accommodates up to 2 LED strips

Clip Options:
Metal clip

BE5075

CL 65% FR 59% OP 48%

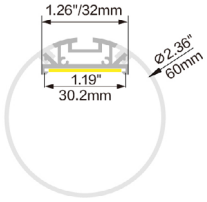


Accommodates up to 2 LED strips

Clip Options:
Metal clip

BE60

CL 86% FR 78% OP 64%



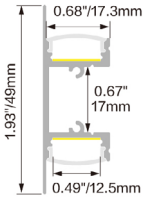
Accommodates up to 2 LED strips

Clip Options:
Metal clip

Specialty

BE1402
Wall lighting

CL 73% FR 66% OP 54%

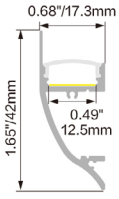


Accommodates 1 LED strip

Clip Options:
Metal clip

BE1403
Wall lighting

CL 77% FR 71% OP 58%

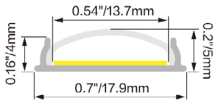


Accommodates 1 LED strip

Clip Options:
Metal clip

BE1806
Bendable surface mounted

CL 88% FR 80% OP 66%

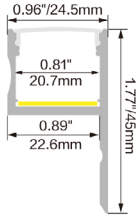


Accommodates 1 LED strip

Clip Options:
Metal clip

BE2009
Coves

CL 57% FR 52% OP 42%

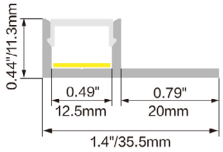


Accommodates 1 LED strip

Clip Options:
N/A

BE3511
Borderless Bi-Color Panel

CL 66% FR 60% OP 49%

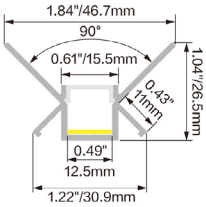


Accommodates 1 LED strip

Clip Options:
N/A

BE4615
Borderless Inside Corner

CL 59% FR 54% OP 44%

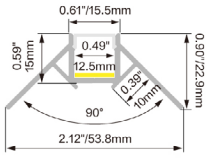


Accommodates 1 LED strip

Clip Options:
N/A

BE5315
Borderless Outside Corner

CL 58% FR 53% OP 43%

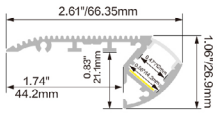


Accommodates 1 LED strip

Clip Options:
N/A

BE6728
Staircase

CL 54% FR 49% OP 40%



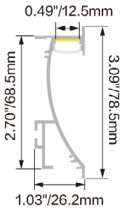
Accommodates 1 LED strip

Clip Options:
N/A

Specialty (Continued)

BE6916
Recessed

CL 58% FR 53% OP 43%

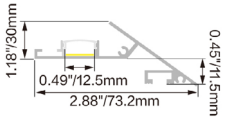


Accommodates 1 LED strip

Clip Options:
Spring clip

BE7030
Cove Recessed Borderless

OP 61%

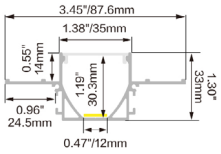


Accommodates 1 LED strip

Clip Options:
Metal clip

BE8833
Cove Recessed /
Double-Layer Borderless

CL 58% FR 53% OP 44%

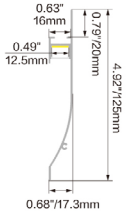


Accommodates 1 LED strip

Clip Options:
N/A

BE12017
Toekick

CL 48% FR 44% OP 36%

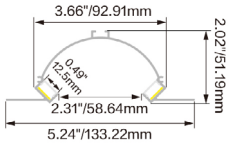


Accommodates 1 LED strip

Clip Options:
N/A

BE13350
Coves

CL 46% FR 42% OP 34%



Accommodates 1 LED strip

Clip Options:
N/A

Connectors (Optional, purchase for extra)

Max. Run Length - With Connector

Tape Power	4.8W/M	9.6W/M	14.4W/M	19.2W/M	24W/M
Max. Run Length	10.0m	7.0m	5.0m	4.2m	3.3m

*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

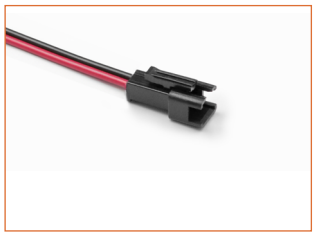


N6012-STDCB-2P-10
Strip to cable with black female connector,
for 10mm (0.39in.) tape, 2 pin,IP20

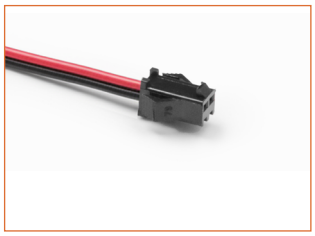


N6012-STDCW-2P-10
Strip to cable with white female connector,
for 10mm (0.39in.) tape, 2 pin,IP20

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

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

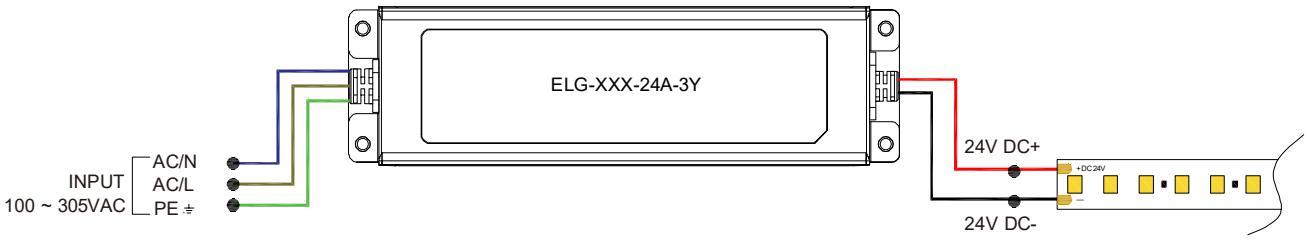
Code	Max Load	Input	Output	Environment	Size (L x W x H)
ELG-150-24B-3Y	150W	100-305VAC	24V	Dry/Damp/IP67	219 * 63 * 35.5 mm

DALI-dimmable

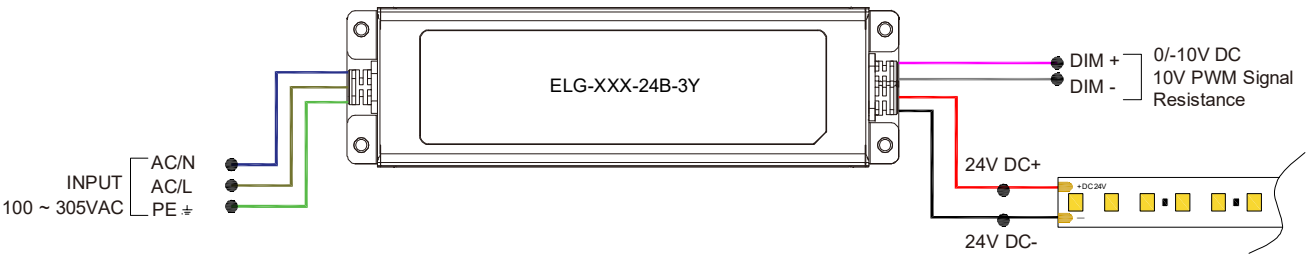
Code	Max Load	Input	Output	Environment	Size (L x W x H)
ELG-150-24DA-3Y	150W	100-305VAC	24V	Dry/Damp/IP67	219 * 63 * 35.5 mm

Wiring Diagram

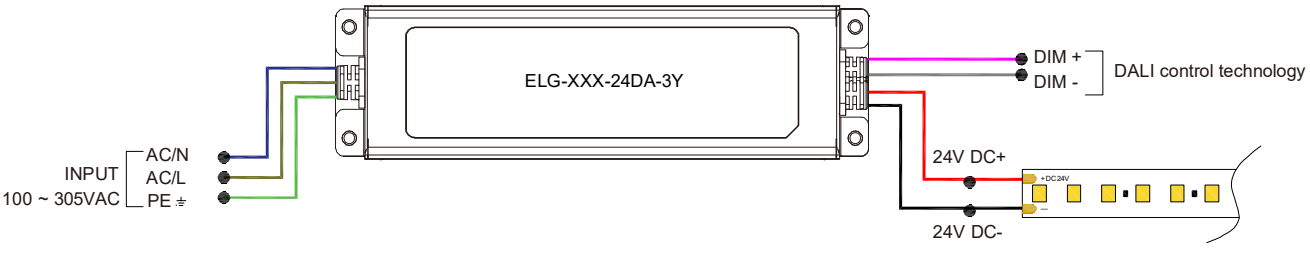
Non-dimmable



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