Beamever

# AERO TAPE DTW

Designer's Custom Playground

Indoor · Static White

## Features

- Standard & popular SMD tape, dim to warm from 1800K to 3500K
- IP20 rated, ideal for indoor non-condensing uses
- 5 years warranty

Date

Fixture type

Project name

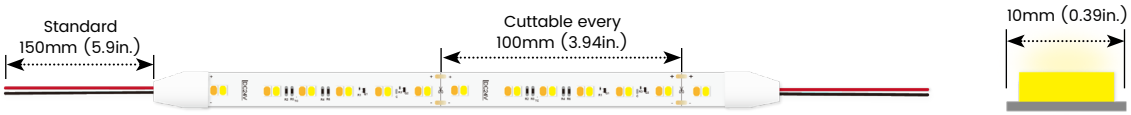
Project phase

## Applications

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



## Dimensions




## Order Code

| Model | Environment | Voltage | CCT | Power |
|---|---|---|---|---|
| **AERO** | **D2**-Dry (IP20) | **24V**-DC24V | **DTW18K35K**-Dim to Warm 1800K+3500K | **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<br>□ **W** White lacquered<br>■ **B** Black anodized | **OP** Opal<br>**FR** Frosted<br>**CL** Clear | **MCL** Metal clip<br>**PCL** Plastic clip<br>**ACL** Adjustable angle clip | 1m(3.28ft)<br>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 | 14.4W/M |
|---|---|
| Dim to Warm 1800K-3500K | 1100 |
| Max. Run Length | 6m |

## Techinical Details

| | |
|---|---|
| Width | 10mm (0.39in. ) |
| LED Quantity | 120 LEDs/M (36 LEDs/ft ) |
| Beam Angle | 120° |
| Efficacy | 76lm/W @Dim to Warm 1800K-3500K 14.4W |
| CRI | Ra≥90 |
| LED MacAdam | 3 steps |
| Average Life (L70) | >54,000 hours |
| Max. Length Per Reel | 50m(164ft) |
| Storage Temperature | -20°C~ 60°C |
| Ambient Temperature | -20°C~ 45°C |

## Feed Entry Options



**F:** Front

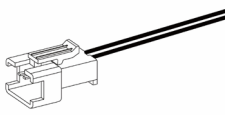


**C:** Closed

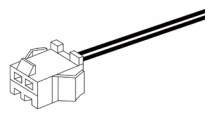
## Connector Wire Options



**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 DTW

Indoor · Static White

## Channel Compatibility

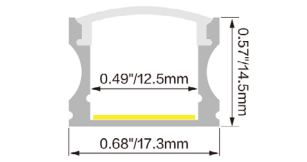
*Non-standard option, please contact us for customization support.

| Lens Type & Light Transmission | | |
|---|---|---|
| CL Clear | FR Frosted | OP Opal |

### Surface

#### BE1202

CL 63% FR 58% OP 47%

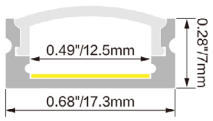



Accommodates 1 LED strip

Clip Options:
Metal/Plastic/Adjustable angle clip

#### BE1205

CL 83% FR 76% OP 62%

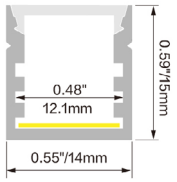



Accommodates 1 LED strip

Clip Options:
Metal/Plastic/Adjustable angle clip

#### BE1415

CL 54% FR 51% OP 41%

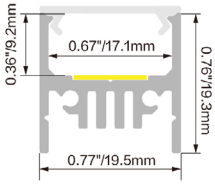



Accommodates 1 LED strip

Clip Options:
Metal clip

#### BE1919

CL 78% FR 71% OP 58%

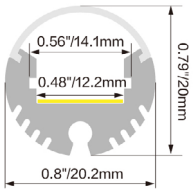



Accommodates 1 LED strip

Clip Options:
Metal clip

#### BE2020

CL 79% FR 72% OP 59%



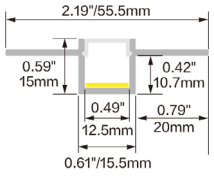

Accommodates 1 LED strip

Clip Options:
Metal clip

### Mud-in

#### BE5615

CL 59% FR 54% OP 44%

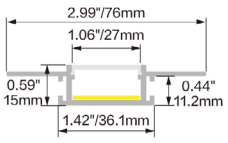



Accommodates 1 LED strip

Clip Options:
N/A

#### BE7615

CL 72% FR 66% OP 54%



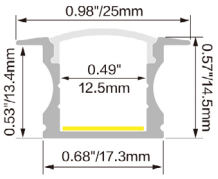

Accommodates up to 2 LED strips

Clip Options:
N/A

## Recessed

### BE1201

CL 63% FR 58% OP 47%

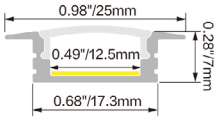



Accommodates 1 LED strip

Clip Options:
Metal/Plastic clip

### BE1204

CL 84% FR 77% OP 63%

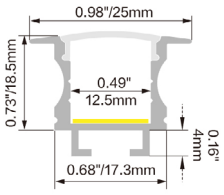



Accommodates 1 LED strip

Clip Options:
Metal/Plastic clip

### BE1207

CL 62% FR 57% OP 46%

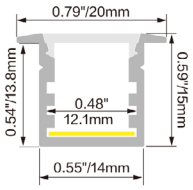



Accommodates 1 LED strip

Clip Options:
Spring clip

### BE2015

CL 56% FR 51% OP 42%

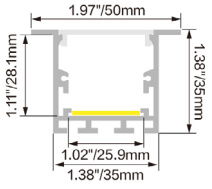



Accommodates 1 LED strip

Clip Options:
N/A

### BE5035

CL 55% FR 50% OP 41%

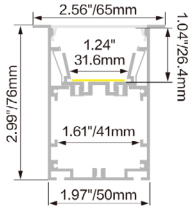



Accommodates up to 2 LED strips

Clip Options:
Spring clip

### BE6575

CL 65% FR 59% OP 49%



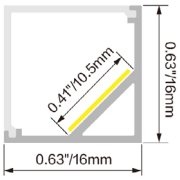

Accommodates up to 2 LED strips

Clip Options:
N/A

## Corner

### BE1001

CL 86% FR 78% OP 64%

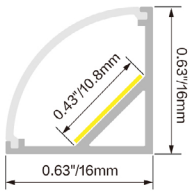



Accommodates 1 LED strip

Clip Options:
Metal/Plastic clip

### BE1002

CL 86% FR 79% OP 64%

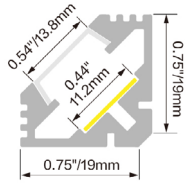



Accommodates 1 LED strip

Clip Options:
Metal/Plastic clip

### BE1101

CL 60% FR 55% OP 45%

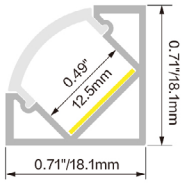



Accommodates 1 LED strip

Clip Options:
Metal clip

### BE1203

CL 76% FR 69% OP 56%




Accommodates 1 LED strip

Clip Options:
Metal/Plastic clip

# AERO TAPE DTW

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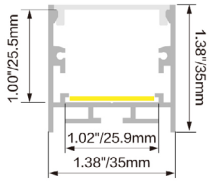
## Suspended

### BE3535

CL 57% FR 52% OP 42%

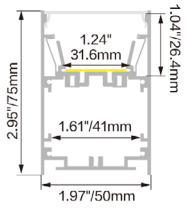



Accommodates up to 2 LED strips

Clip Options:
Metal clip

### BE5075

CL 65% FR 59% OP 48%

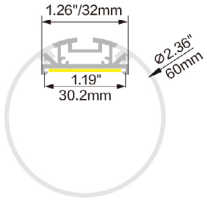



Accommodates up to 2 LED strips

Clip Options:
Metal clip

### BE60

CL 89% FR 81% OP 66%



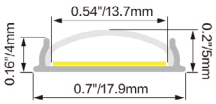

Accommodates up to 2 LED strips

Clip Options:
Metal clip

## Specialty

### BE1806
Bendable surface mounted

CL 89% FR 81% OP 66%

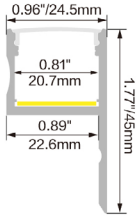



Accommodates 1 LED strip

Clip Options:
Metal clip

### BE2009
Coves

CL 57% FR 52% OP 43%

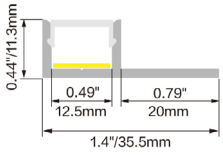



Accommodates 1 LED strip

Clip Options:
N/A

### BE3511
Borderless Bi-Color Panel

CL 70% FR 64% OP 52%

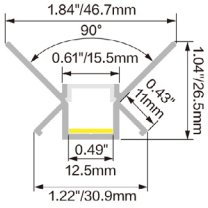



Accommodates 1 LED strip

Clip Options:
N/A

### BE4615
Borderless Inside Corner

CL 60% FR 55% OP 45%

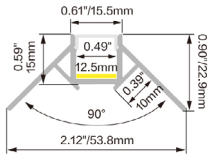



Accommodates 1 LED strip

Clip Options:
N/A

### BE5315
Borderless Outside Corner

CL 59% FR 54% OP 44%

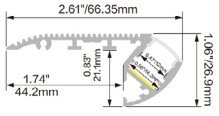



Accommodates 1 LED strip

Clip Options:
N/A

### BE6728
Staircase

CL 56% FR 51% OP 42%

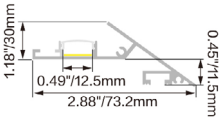



Accommodates 1 LED strip

Clip Options:
N/A

### BE7030
Cove Recessed Borderless

OP 62%

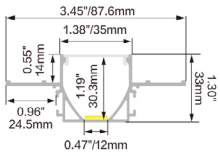



Accommodates 1 LED strip

Clip Options:
N/A

### BE8833
Cove Recessed / Double-Layer Borderless

CL 59% FR 54% OP 44%




Accommodates 1 LED strip

Clip Options:
N/A

## Connectors (Optional, purchase for extra)

**Max. Run Length - With Connector**

| Tape Power | 14.4W/M |
|---|---|
| Max. Run Length | 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

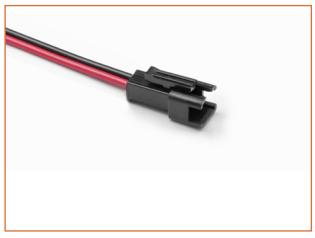


**N6012-STDCB-2P-10**
Strip to cable with black female connector, for 10mm (0.39in.) tape, 2 pin,IP20

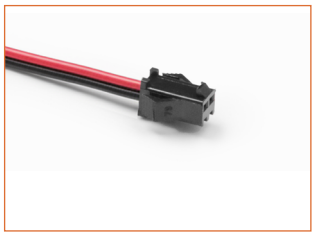


**N6012-STDCW-2P-10**
Strip to cable with white female connector, for 10mm (0.39in.) tape, 2 pin,IP20

## 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

## 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**

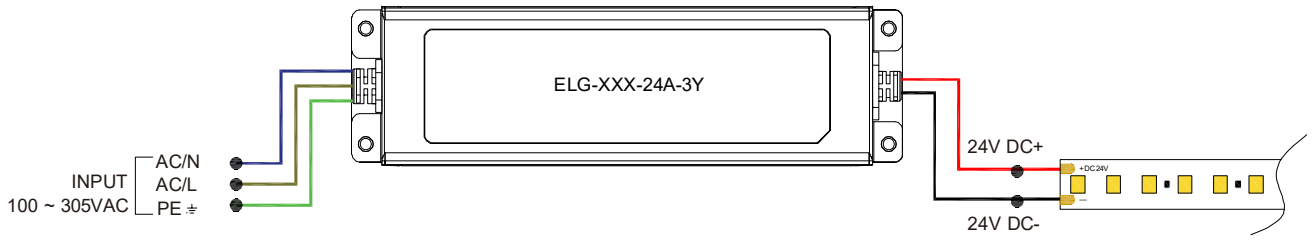
| Code | Max Load | Input | Output | Environment | Size (L x W x H) |
|---|---|---|---|---|---|
| ELG-150-24B-3Y | 150W | 100-305VAC | 24V | Dry/Damp/IP67 | 219 * 63 * 35.5 mm |

**DALI-dimmable**

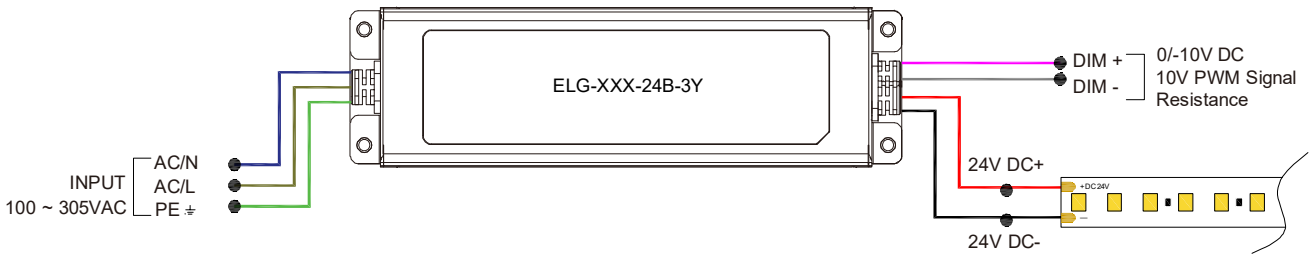
| Code | Max Load | Input | Output | Environment | Size (L x W x H) |
|---|---|---|---|---|---|
| ELG-150-24DA-3Y | 150W | 100-305VAC | 24V | Dry/Damp/IP67 | 219 * 63 * 35.5 mm |

## Wiring Diagram

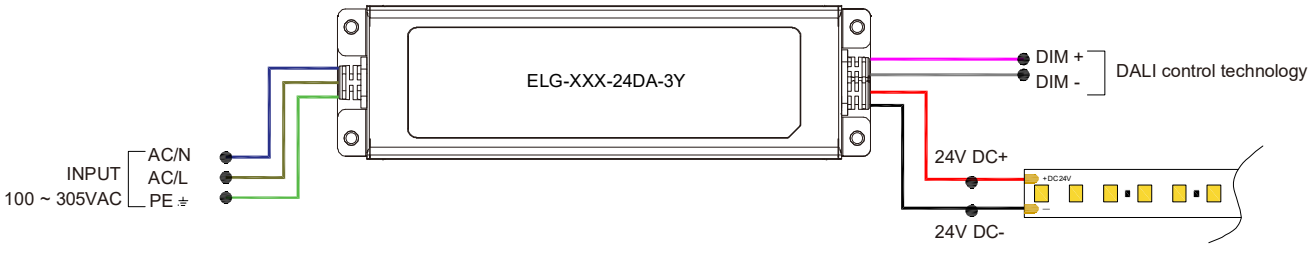
**Non-dimmable**




**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 |