# ANNO TAPE RGB

Indoor ·RGB

## Features

- High-density diode-free COB tape, with changeable RGB colors
- IP20 rated, ideal for indoor non-condensing uses
- 5 years warranty

## Applications

Under cabinets, coves, theme parks, bedrooms, studios, etc.

Date | Fixture type

Project name | Project phase



## Dimensions




## Order Code (For LED tape)

| Series | Environment | Voltage | Temp./Color | Power |
|---|---|---|---|---|
| ANNO | **D2-**Dry (IP20) | **24V**-DC24V | **RGB**-RGB | **150**-15W/M |

## Assembly Builder

| Left Feed Entry | | | |
|---|---|---|---|
| **F** | Front | **OW** | Open wire 15cm (5.9in.), 20 AWG |
| **C** | Closed | **MC** | Male connector with 20cm (0.66ft ) cable, 22 AWG |
| | | **FC** | Female connector with 20cm (0.66ft ) cable, 22 AWG |
| | | **NA** | Only for Closed Feed Entry |

## Assembly Builder

| Right Feed Entry | | | | Length | |
|---|---|---|---|---|---|
| **F** | Front | **OW** | Open wire 15cm (5.9in.), 20 AWG | **Max.** | 5m(16.4ft) |
| **C** | Closed | **MC** | Male connector with 20cm (0.66ft ) cable, 22 AWG | | |
| | | **FC** | Female connector with 20cm (0.66ft ) cable, 22 AWG | **Increment** | 50mm(1.97in.) |
| | | **NA** | Only for Closed Feed Entry | | |

*For customizations, please inquire.

## Extrusion Order Code

| Product Code | Colors | Lens | Lengths |
|---|---|---|---|
| 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 | **1m** (3.28ft)<br>**2m** (6.56ft) |

*For custom RAL colors, please inquire.

*Extrusions are sold separately. Refer to corresponding spec sheets for ordering info on extrusions and their accessories (endcaps, mounting brackets, etc.)

## Lumen Output (lm/m)

| Temp./Color | 15W/M |
|---|---|
| R | 126 |
| G | 385 |
| B | 59 |
| RGB | 525 |
| Max. Run Length (M) | 5 |

| Technical Details | |
|---|---|
| Width | 10mm(0.39in. ) |
| LED Quantity | 840 LEDs/M(256 LEDs/ft) |
| Beam Angle | 180° |
| Efficacy | 35lm/W @RGB 15W |
| Average Life (L70) | > 30,000 hours |
| Max. Length Per Reel | 10m(32.8ft ) |
| Storage Temperature | -25℃~ 60℃ |
| Ambient Temperature | -20℃~ 45℃ |

## Feed Entry Options

**F:** Front



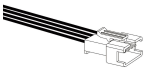
**C:** Closed



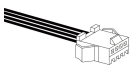
## Connector Wire Options



**OW:** Open wire, **Dry only**
Standard 15cm(0.59in.), 22AWG
(wire length made to order)



**MC:** Male connector, **Dry,**
Standard 20cm (0.66ft ), 22AWG



**FC:** Female connector, **Dry** ,
Standard 20cm (0.66ft ), 22AWG

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## Channel Compatibility

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

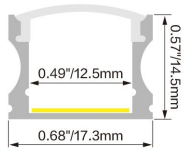
## Lens Type & Light Transmission

CL Clear FR Frosted OP Opal

### Surface

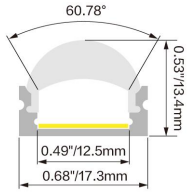
#### BE1202

CL 53% FR 48% OP 40%



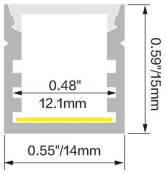

#### BE1302

CL 73% FR 67% OP 55%



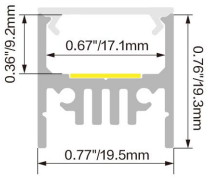

#### BE1415

CL 44% FR 41% OP 33%



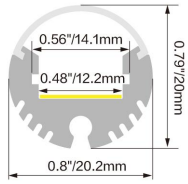

#### BE1919

CL 66% FR 60% OP 49%



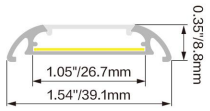

#### BE2020

CL 66% FR 60% OP 49%




#### BE2601

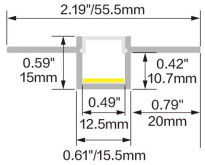
CL 37% FR 34% OP 27%




### Mud-In

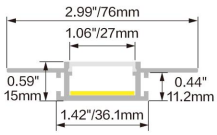
#### BE5615

CL 49% FR 45% OP 37%




#### BE7615

CL 62% FR 57% OP 46%



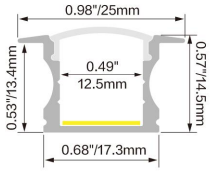
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## Recessed

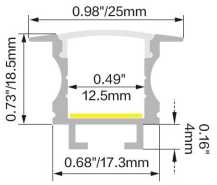
### BE1201

CL 53% FR 48% OP 39%



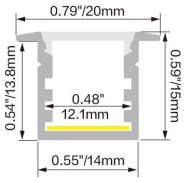

### BE1207

CL 52% FR 48% OP 39%



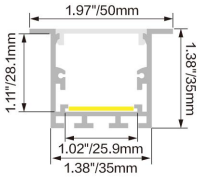

### BE2015

CL 47% FR 43% OP 35%



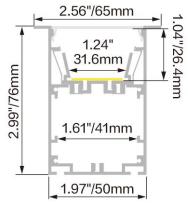

### BE5035

CL 48% FR 43% OP 36%




### BE6575

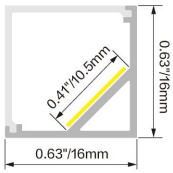
CL 57% FR 52% OP 42%




## Corner

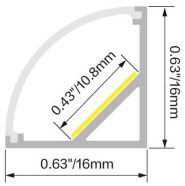
### BE1001

CL 78% FR 71% OP 58%



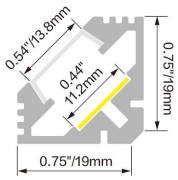

### BE1002

CL 77% FR 71% OP 58%



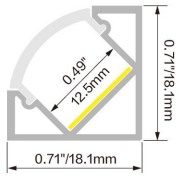

### BE1101

CL 47% FR 43% OP 35%




### BE1203

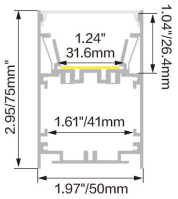
CL 65% FR 60% OP 49%




## Suspended

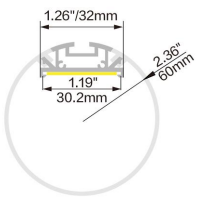
### BE5075

CL 59% FR 53% OP 44%



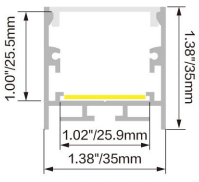

### BE60

CL 83% FR 76% OP 62%




### BE3535

CL 49% FR 44% OP 36%



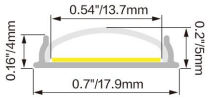
# ANNO TAPE RGB

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## Specialty

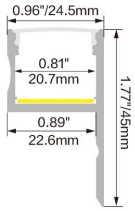
### BE1806
Bendable surface mounted

CL 79% FR 72% OP 59%



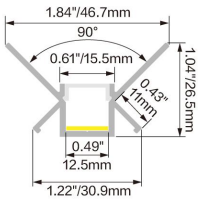

### BE2009
Coves

CL 48% FR 44% OP 36%



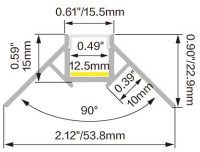

### BE4615
Borderless Inside Corner

CL 53% FR 48% OP 49%



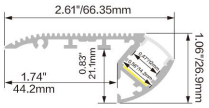

### BE5315
Borderless Outside Corner

CL 49% FR 44% OP 36%



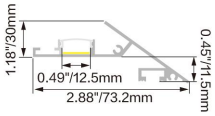

### BE6728
Staircase

CL 44% FR 40% OP 33%



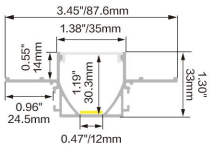

### BE7030
Cove Recessed Borderless

OP 56%




### BE8833
Cove Recessed / Double-Layer Borderless

CL 53% FR 48% OP 40%



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## Connectors (Optional, purchase for extra)



**NCO-STCN-4P-10**
Strip to cable connector without wire, for 10mm (0.39in.) tape, 4 pin



**NCO-STC-4P-10**
Strip to cable connector with 15cm(5.91in.) wire, for 10mm (0.39in.) tape, 4 pin



**NCO-STSJ-4P-10**
Strip to strip jumper connector with 15cm(5.91in.) wire, for 10mm (0.39in.) tape, 4 pin



**NCO-STMKB-4P-10**
Strip to cable with black male & female connector, for 10mm (0.39in.) tape, 4 pin



**NCO-STMKW-4P-10**
Strip to cable with white male & female connector, for 10mm (0.39in.) tape, 4 pin



**N14CO-STS-4P-10**
Strip to strip connector, for 10mm (0.39in.) tape, 4 pin



**MC-4P-20**
Male SM connector with 20cm(0.66ft) cable, 4pin, IP20,Dry, 22AWG



**FC-4P-20**
Female SM connector with 20cm(0.66ft) cable, 4pin, IP20, Dry, 22AWG



**VHB**
VHB 3M adhesive back tape, stronger stickiness

# ANNO TAPE RGB

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## Drivers

**Non-dimmable**

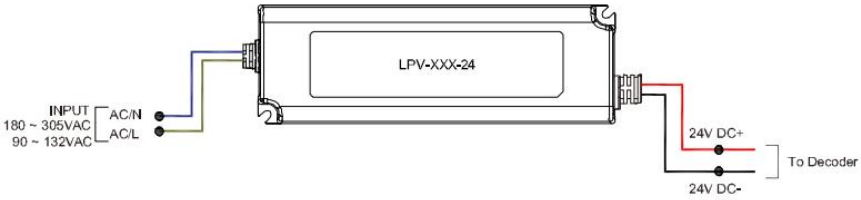
| Code | Max Load | Input | Output | Environment | Size (L x W x H) |
|---|---|---|---|---|---|
| XLG-150-24-A | 150W | 100-305VAC | 24V | Dry/Damp/IP67 | 180 * 63 * 35.5 mm |
| LPV-150-24 | 150W | 180-305VAC | | Dry/Damp/IP67 | 148 * 40 * 30 mm |
| LRS-150-24 | 150W | 85-132VAC / 170-264VAC | | Dry | 99 * 97 * 30 mm |

**DMX-Decoders & Contrillers Options**

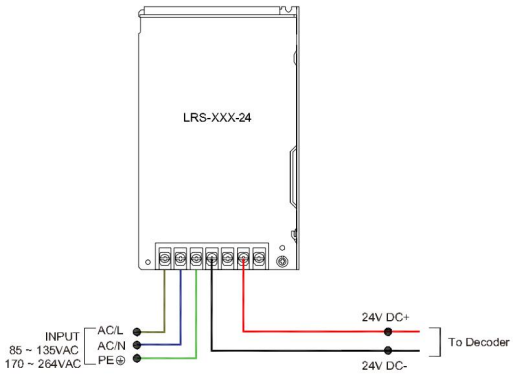
| Type | Code | Description | Environment | Size (L *W *H) |
|---|---|---|---|---|
| DMX Decoders | D3-F | 3 channels output, Max. 6A current per channel, up to 432W output power | Indoor | 175 * 42 * 33 mm |
| Controllers | EX4S | 512 DMX channels | Indoor | 86 * 86 * 36 mm |
| Power Repeaters | LT-3030-6A | 3 channels output, Max. 6A current per channel, up to 432W output power | Indoor | 175 * 44 * 30 mm |
| Signal Amplifier | LT-123 | DMX(485) signal amplifier, 1 input / 3 outputs | Indoor | 192 * 80 * 41 mm |

## Wiring Diagram

**Non-dimmable**




**Non-dimmable**



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## 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 |