BELA TAPE RGBWW

Indoor · RGBWW

Features

- 5 colors in 1 diode SMD tape, with changeable RGBWW colors
- IP20 rated, ideal for indoor uses
- 5 years warranty

Applications

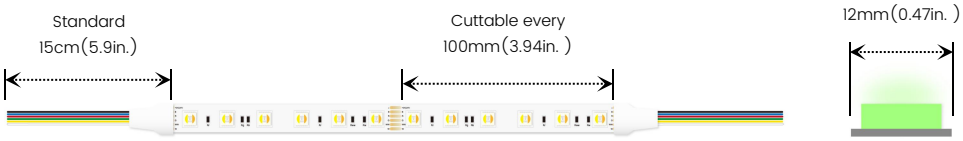
Under cabinets, coves, theme parks, bedrooms, studios, etc.

Date | Fixture type

Project name | Project phase



Dimensions



Order Code (For LED tape)

Series	Environment	Voltage	Temp./Color	Power
BELA	**D2-**Dry (IP20)	**24V**-DC24V	**RGBWW2765**-RGBWW(WW=2700K+6500K)	**192**-19.2W/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, 20 AWG
		FC	Female connector with 20cm (0.66ft) cable, 20 AWG
		NA	Only for Closed Feed Entry

Assembly Builder

Right Feed Entry				Length	
F	Front	**OW**	Open wire 15cm (5.9in.), 20 AWG	**Max. Run**	5m(16.4ft)
C	Closed	**MC**	Male connector with 20cm (0.66ft) cable, 20 AWG		
		FC	Female connector with 20cm (0.66ft) cable, 20 AWG	**Increment**	100mm(3.94in.)
		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 □ **W** = White lacquered ■ **B** = Black anodized	**OP** - Opal **FR** - Frosted **CL** - Clear	**1m** (3.28ft) **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	19.2W/M
R	121
G	331
B	74
W27	280
W65	325
RGBWW2765	1032
Max. Run Length (M)	5
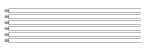
Technical Details	
Width	12mm(0.47in.)
LED Quantity	60 LEDs/M(18 LEDs/ft)
Beam Angle	120°
Efficacy	53.8lm/W @RGBWW2765 19.2W
CRI	Ra≥90
LED MacAdam	3 steps
Average Life (L70)	> 30,000 hours
Max. Length Per Reel	50m(164ft)
Storage Temperature	-25℃~ 60℃
Ambient Temperature	-20℃~ 45℃

Feed Entry Options

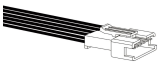
F: Front

C: Closed

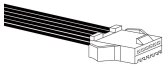
Connector Wire Options



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



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



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

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Channel Compatibility

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

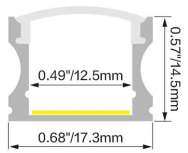
Lens Type & Light Transmission

CL Clear FR Frosted OP Opal

Surface

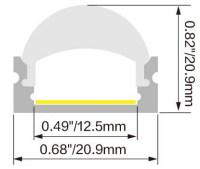
BE1202

CL 61% FR 56% OP 46%



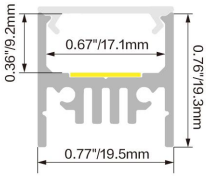
BE1303

CL 61% FR 56% OP 45%



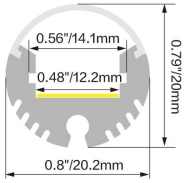
BE1919

CL 70% FR 63% OP 52%



BE2020

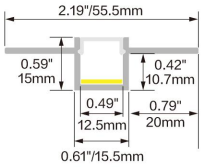
CL 82% FR 75% OP 62%



Mud-In

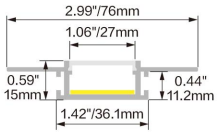
BE5615

CL 54% FR 50% OP 41%



BE7615

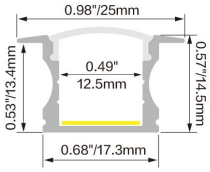
CL 68% FR 62% OP 51%



Recessed

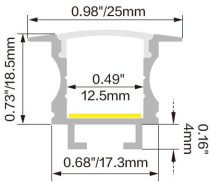
BE1201

CL 62% FR 57% OP 46%



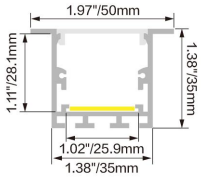
BE1207

CL 56% FR 51% OP 42%



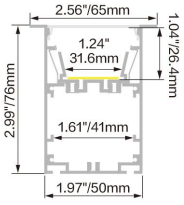
BE5035

CL 55% FR 50% OP 41%



BE6575

CL 63% FR 58% OP 47%



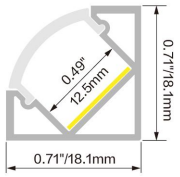
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Indoor · RGBWW

Corner

BE1203

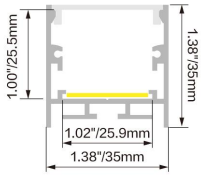
CL 71% FR 65% OP 53%



Suspended

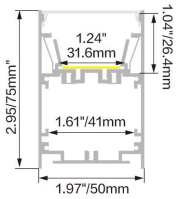
BE3535

CL 57% FR 52% OP 42%



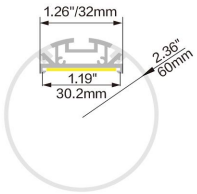
BE5075

CL 64% FR 59% OP 48%



BE60

CL 86% FR 78% OP 64%

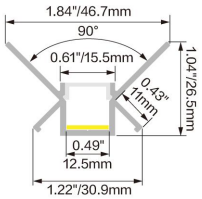


Specialty

BE4615

Borderless Inside Corner

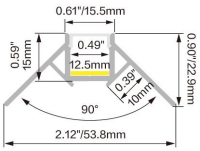
CL 59% FR 54% OP 44%



BE5315

Borderless Outside Corner

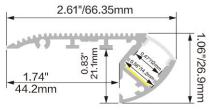
CL 56% FR 51% OP 42%



BE6728

Staircase

CL 57% FR 52% OP 43%



Connectors & Additional Accessories (Optional, purchase for extra)



MC-6P-20
Male SM connector with 20cm(0.66ft) cable, 6pin, IP20,Dry, 22AWG



FC-6P-20
Female SM connector with 20cm(0.66ft) cable, 6pin, IP20, Dry, 22AWG

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Indoor · RGBWW

Drivers

Non-dimmable

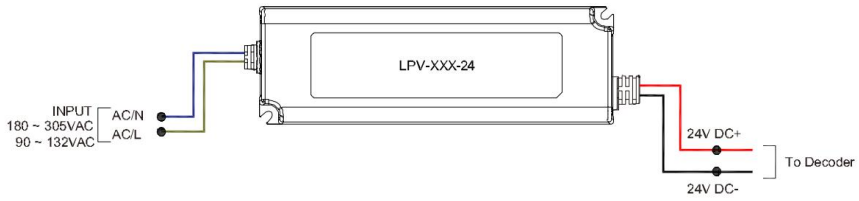
Code	Max Load	Input	Output	Environment	Size (L x W x H)
XLG-150-24-A	150W	100-305VAC	24V	Dry/Damp/IP67	180 * 63 * 35.5 mm
LPV-150-24	150W	180-305VAC		Dry/Damp/IP67	148 * 40 * 30 mm
LRS-150-24	150W	85-132VAC / 170-264VAC		Dry	99 * 97 * 30 mm

DMX-Decoders & Controllers Options

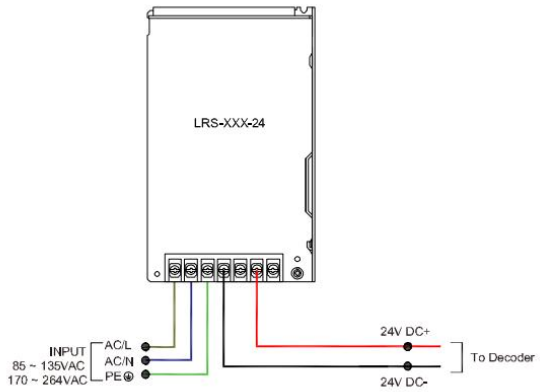
Type	Code	Description	Environment	Size (L *W *H)
DMX Decoders	LT-905	5 channels output, Max. 5A current per channel, up to 600W output power	Indoor	175 * 42 * 33 mm
Controllers	EX5S	512 DMX channels	Indoor	86 * 86 * 36 mm
Controllers	F5-DMX-4A	RF Controller, 5 channels output, Max. 5A current per channel, up to 480W output power	Indoor	175*44*30mm
Power Repeaters	CW4	1024 DMX channels, 6 SECne buttons and a color wheel, ideal for hotels, homes and public	Indoor	145 * 107 * 10 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