

BELA TAPE RGBWW

Indoor · RGBWW

Features

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

Applications

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



Dimensions



Order Code (For LED tape)

Series	Environment	Voltage	Temp./Color	Power	Left Feed Entry			
BELA	D2-Dry (IP20)	24V-DC24V	RGBWW2765K-RGBWW(WW=2700K+6500K)	5.9-5.85W/ft	F Front	OW	Open wire 3.28ft (1m), 22 AWG	
					C Closed	MC	Male connector with 0.66ft (20cm) cable, 22 AWG	
						FC	Female connector with 0.66ft (20cm) cable, 22 AWG	
						NA	Only for Closed Feed Entry	

Assembly Builder

Assembly Builder

Right Feed Entry				Length	
F	Front	OW	Open wire 3.28ft (1m), 22 AWG	Max.	16.4ft (5m)
C	Closed	MC	Male connector with 0.66ft (20cm) cable, 22 AWG	Increment	3.94in.(100mm)
		FC	Female connector with 0.66ft (20cm) cable, 22 AWG		
		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	OP - Opal	3.28ft (1m)
	□ W = White lacquered	FR - Frosted	6.56ft (2m)
	■ B = Black anodized	CL - Clear	

*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/ft)

Temp./Color	5.85W/ft
■ R	37
■ G	101
■ B	23
■ W27	85
■ W65	99
■ RGBWW2765	315
Max. Run for Class 2*	13.6ft (4.1m)
Max. Run Supported Length	16.4ft (5m)

*Typically installations in USA and Canada comply with Class 2 requirements.

Technical Details

Width	0.47in. (12mm)
LED Quantity	18 LEDs/ft (60 LEDs/M)
Beam Angle	120°
Efficacy	53.8lm/W @RGBWW2765 5.85W
CRI	Ra ≥ 90
LED MacAdam	3 steps
Average Life (L70)	> 30,000 hours
Max. Length Per Reel	164ft (50m)
Storage Temperature	-13-140°F (-25°C- 60°C)
Ambient Temperature	-13-113°F (-25°C- 45°C)

Feed Entry Options

F: Front



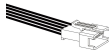
C: Closed



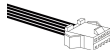
Connector Wire Options



OW: Open wire, **Dry only**
Standard 3.28' (1m), 22 AWG
(wire length made to order)



MC: Male connector, **Wet**
Standard 0.98ft (30cm), 22 AWG



FC: Female connector, **Wet**
Standard 0.98ft (30cm), 22 AWG

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Channel Compatibility

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

Lens Type & Light Transmission

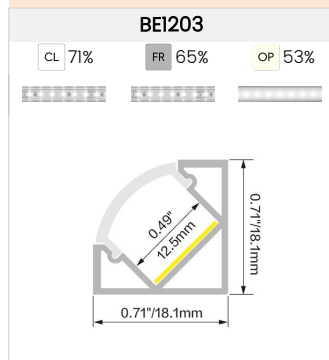
CL Clear FR Frosted OP Opal

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%

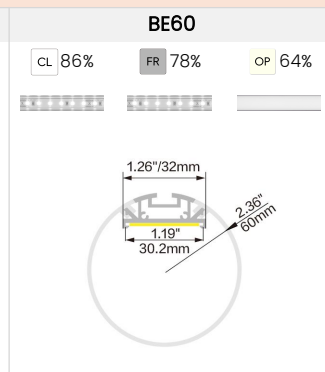
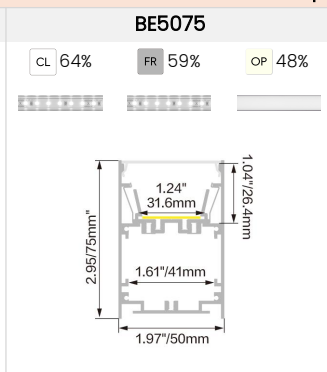
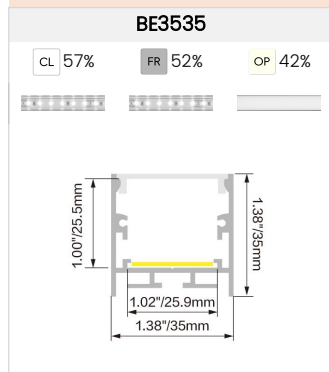
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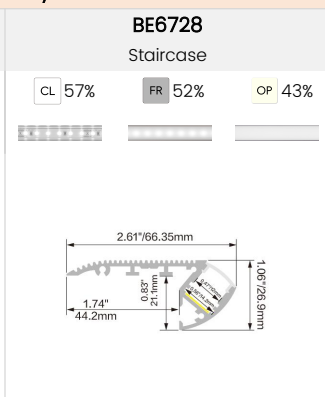
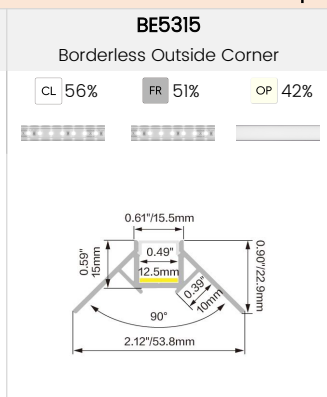
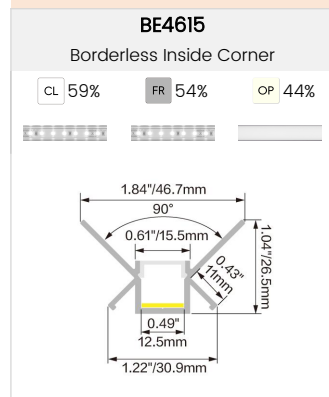
Corner



Suspended



Specialty



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Connectors & Additional Accessories (Optional, purchase for extra)



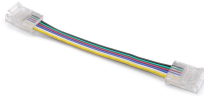
N6012-STCN-6P-12
Strip to cable connector without wire, for 0.47in. (12mm) tape, 6 pin, IP20



N6012-STTS-6P-12
Strip to strip connector, for 0.47in. (12mm) tape, 6 pin, IP20



N6012-STC-6P-12
Strip to cable connector with 5.9lin. (15cm) wire, for 0.47in. (12mm) tape, 6 pin. IP20



N6012-STSJ-6P-12
Strip to strip jumper connector with 5.9lin. (15cm) wire, for 0.47in. (12mm) tape, 6 pin, IP20



C6012-LC-6P-12
L-shaped corner connector, for 0.47in. (12mm) tape, 6 pin, IP20



C6012-RC-6P-12
R-shaped corner connector, for 0.47in. (12mm) tape, 6 pin, IP20



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



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

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Drivers

Non-dimmable							
Code	Max Load	Input	Output	Class 2	With Junction Box	Environment	Size (L x W x H)
KV-24030-ASW	30W	100-277VAC	24V	Yes	No	Dry/Damp	6.1 x 2.1 x 0.8in. (15.5 x 5.4 x 2cm)
KV-24060-ASW	60W					Dry/Damp	7 x 2.4 x 0.9in. (17.8 x 6.1 x 2.4cm)
KV-24096-ASW	96W					Dry/Damp/Wet	9.1 x 2.8 x 1.7in. (23 x 7 x 4.3cm)
DMX-dimmable							
Code	Max Load	Input	Output	Class 2	With Junction Box	Environment	Size (L x W x H)
KVX-24100-5C-A	100W	100-277VAC	24V	Yes	No	Dry/Damp/Wet	9.05 x 3.07 x 0.98in. (230 x 78x 25cm)
KVX-24150-5C-A	150W			No			10.9* x 3.07 x 0.98in. (277 x 78x 25cm)
KVX-24200-5C-A	200W						10.9* x 3.07 x 0.98in. (277 x 78x 25cm)
KVX-24300-5C-A	300W						11.85 x 3.07 x 0.98in. (301 x 78x 25cm)

DMX Decoders

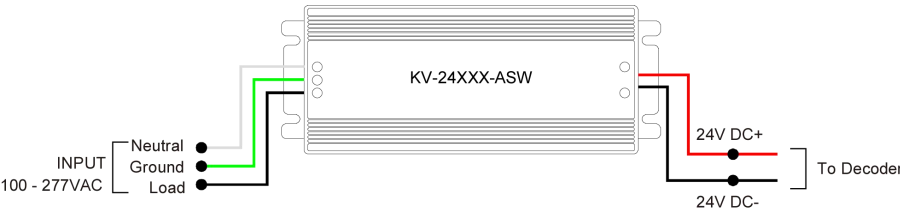
Code	Description
LT-905	5 channels output, up to 600W output power

Controllers

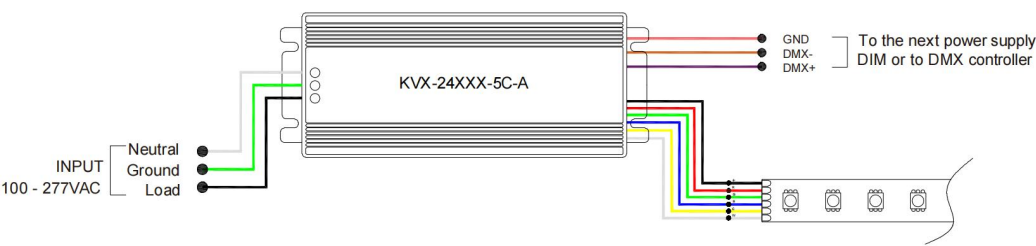
Code	Description
DINA-DR micro	DMX 60 channels, DMX Stand Alone controller with 10 scenes, USB connectivity for programming
SLESA-U9	DMX 256 channels, USB connection, standalone mode with 1 area and 20 scenes
STICK-GA2	DMX 512 channels, ready to use (pre-loaded with 8 scenes and 170 RGB fixtures)
STICK-CW4	DMX 1024 channels, up to 36 scenes stored and directly recalled via 6 touch sensitive buttons

Wiring Diagram

Non-dimmable driver



DMX-dimmable driver



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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	1588ft (484.0m)	999ft (304.5m)	628ft (191.4m)	395ft (120.4m)	248ft (75.5m)	156ft (47.5m)	98ft (29.8m)	61ft (18.5m)
20W / 0.8A	794ft (242.0m)	499ft (152.1m)	314ft (95.7m)	197ft (60.0m)	124ft (37.8m)	78ft (23.7m)	49ft (14.9m)	30ft (9.1m)
30W / 1.3A	529ft (161.2m)	333ft (101.5m)	209ft (63.7m)	131ft (39.9m)	82ft (24.9m)	52ft (15.8m)	32ft (9.7m)	20ft (6.1m)
40W / 1.7A	397ft (121.0m)	249ft (75.9m)	157ft (47.8m)	98ft (29.8m)	62ft (18.9m)	39ft (11.8m)	24ft (7.3m)	15ft (4.5m)
50W / 2.1A	317ft (96.6m)	199ft (60.6m)	125ft (38.1m)	79ft (24.0m)	49ft (14.9m)	31ft (9.4m)	19ft (5.7m)	12ft (3.6m)
60W / 2.5A	264ft (80.4m)	166ft (50.6m)	104ft (31.7m)	65ft (19.8m)	41ft (12.5m)	26ft (7.9m)	16ft (4.8m)	10ft (3.0m)
70W / 2.9A	226ft (68.8m)	142ft (43.2m)	89ft (27.1m)	56ft (17.0m)	35ft (10.6m)	22ft (6.7m)	14ft (4.2m)	8ft (2.4m)
80W / 3.3A	198ft (60.3m)	124ft (37.8m)	78ft (23.7m)	49ft (14.9m)	31ft (9.4m)	19ft (5.7m)	12ft (3.6m)	7ft (2.1m)
90W / 3.8A	176ft (53.6m)	111ft (33.8m)	69ft (21.0m)	43ft (13.1m)	27ft (8.2m)	17ft (5.1m)	10ft (3.0m)	6ft (1.8m)
100W / 4.2A	158ft (48.1m)	99ft (30.1m)	62ft (18.9m)	39ft (11.8m)	24ft (7.3m)	15ft (4.5m)	9ft (2.7m)	6ft (1.8m)
110W / 4.6A	144ft (43.8m)	90ft (27.4m)	57ft (17.3m)	35ft (10.6m)	22ft (6.7m)	14ft (4.2m)	9ft (2.7m)	5ft (1.5m)
120W / 5.0A	132ft (40.2m)	83ft (25.3m)	52ft (15.8m)	32ft (9.7m)	20ft (6.1m)	13ft (3.9m)	8ft (2.4m)	5ft (1.5m)
130W / 5.4A	122ft (37.1m)	76ft (23.1m)	48ft (14.6m)	30ft (9.1m)	19ft (5.7m)	12ft (3.6m)	7ft (2.1m)	4ft (1.2m)
140W / 5.8A	113ft (34.4m)	71ft (21.6m)	44ft (13.4m)	28ft (8.5m)	17ft (5.1m)	11ft (3.3m)	7ft (2.1m)	4ft (1.2m)
150W / 6.3A	105ft (32.0m)	66ft (20.1m)	41ft (12.5m)	26ft (7.9m)	16ft (4.8m)	10ft (3.0m)	6ft (1.8m)	4ft (1.2m)
160W / 6.7A	99ft (30.1m)	62ft (18.9m)	39ft (11.8m)	24ft (7.3m)	15ft (4.5m)	9ft (2.7m)	6ft (1.8m)	3ft (0.9m)
170W / 7.1A	93ft (28.3m)	58ft (17.6m)	36ft (10.9m)	23ft (7.0m)	14ft (4.2m)	9ft (2.7m)	5ft (1.5m)	3ft (0.9m)
180W / 7.5A	88ft (26.8m)	55ft (16.7m)	34ft (10.3m)	22ft (6.7m)	13ft (3.9m)	8ft (2.4m)	5ft (1.5m)	3ft (0.9m)
190W / 7.9A	83ft (25.3m)	52ft (15.8m)	33ft (10.0m)	20ft (6.0m)	13ft (3.9m)	8ft (2.4m)	5ft (1.5m)	3ft (0.9m)
200W / 8.3A	79ft (24.0m)	49ft (14.9m)	31ft (9.4m)	19ft (5.7m)	12ft (3.6m)	7ft (2.1m)	4ft (1.2m)	3ft (0.9m)
210W / 8.8A	75ft (22.8m)	47ft (14.3m)	29ft (8.8m)	18ft (5.4m)	11ft (3.3m)	7ft (2.1m)	4ft (1.2m)	2ft (0.6m)
220W / 9.2A	72ft (21.9m)	45ft (13.7m)	28ft (8.5m)	18ft (5.4m)	11ft (3.3m)	7ft (2.1m)	4ft (1.2m)	2ft (0.6m)
230W / 9.6A	69ft (21.0m)	43ft (13.1m)	27ft (8.2m)	17ft (5.1m)	10ft (3.0m)	6ft (1.8m)	4ft (1.2m)	2ft (0.6m)
240W / 10.0A	66ft (20.1m)	41ft (12.5m)	26ft (7.9m)	16ft (4.8m)	10ft (3.0m)	6ft (1.8m)	4ft (1.2m)	2ft (0.6m)
250W / 10.4A	63ft (19.2m)	40ft (12.1m)	25ft (7.6m)	15ft (4.5m)	9ft (2.7m)	6ft (1.8m)	3ft (0.9m)	2ft (0.6m)