

BELA TAPE RGBW

Indoor ·RGBW

Features

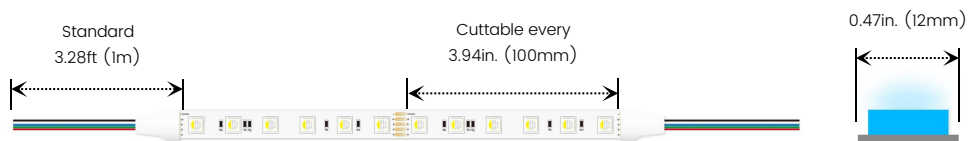
- 4 colors in 1 diode SMD tape, with changeable RGBW colors
- IP20 rated, ideal for indoor uses
- 5 years warranty

Applications

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



Dimensions



Order Code (For LED tape)

Series	Environment	Voltage	Temp./Color	Power	Assembly Builder			
BELA	D2-Dry (IP20)	24-DC24V	RGBW30-RGBW(w=3000K)	439-4.39W/ft	Left Feed Entry			
					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

Right Feed Entry			Illuminated Length ¹	
F	Front	OW	Open wire 3.28ft (1m), 22 AWG	Max. 17.5ft (5.3m)
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	

1. Production length = Illuminated length + End cap extension length (refer to below page for extension length of each end cap).

Channel Order Code

Product Code ¹	Colors	Lens	Lengths
Please select on the Channel Compatibility page	S = Silver anodized	OP - Opal	3.28ft (1m)
	W = White lacquered	FR - Frosted	6.56ft (2m)
	B = Black anodized	CL - Clear	

1. Including 3.28ft/6.56ft lens cover + 2pcs end caps+2pcs mounting clips.

Lumen Output (lm/ft)

Temp./Color	4.39W/ft		
R	30		
G	75		
B	21		
W30	69		
RGBW30	186		
Max. Run for Class 2*	17.5ft (5.3m)		
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	42.4lm/W @RGBW30 4.39W
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	-4-113°F (-20°C- 45°C)

Feed Entry Options

F: Front



C: Closed



Connector Wire Options



OW: Open wire, **Dry only**
Standard 3.28ft (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

Lens Type & Light Transmission

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

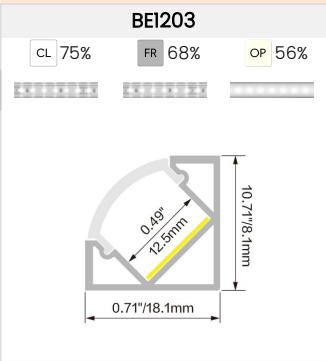
CL Clear FR Frosted OP Opal

Surface			
BEI201 CL 62%FR 57%OP 46%	BEI202 CL 63%FR 58%OP 47%	BEI303 CL 65%FR 59%OP 48%	BEI919 CL 76%FR 69%OP 57%
BE2020 CL 80%FR 73%OP 60%			
Mud-In			
BE5615 CL 59%FR 53%OP 44%	BE7615 CL 70%FR 64%OP 52%		
Recessed			
BEI207 CL 62%FR 57%OP 47%	BE5035 CL 51%FR 47%OP 38%	BE6575 CL 64%FR 58%OP 48%	

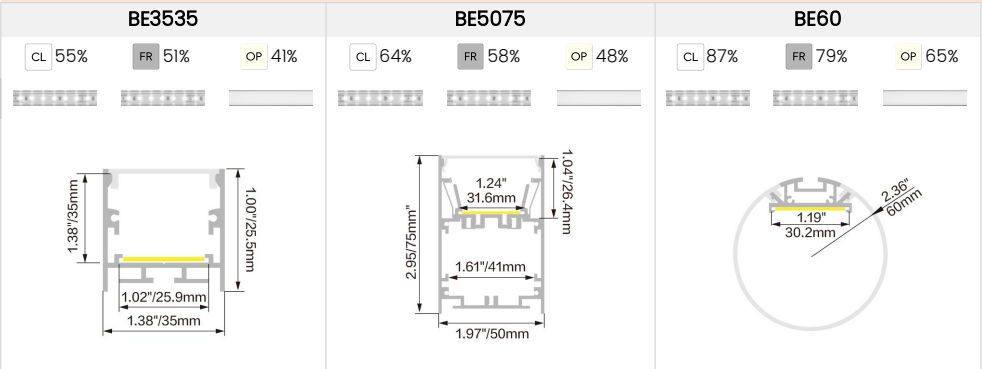
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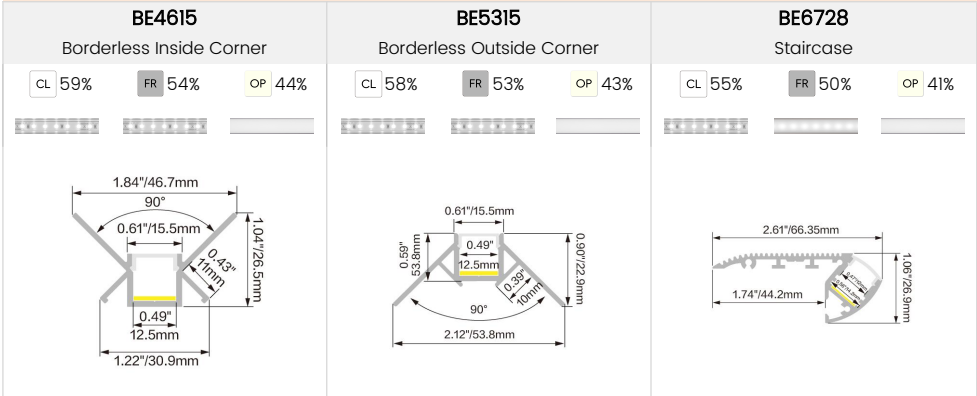
Corner



Suspended



Specialty



Additional Accessories (Optional, purchase for extra)



MCW-5P-67
Male connector with 0.98ft (30cm)
white cable, 5 pin, IP67, Wet, 22 AWG

FCW-5P-67
Female connector with 0.98ft (30cm)
white cable, 5 pin, IP67, Wet, 22 AWG



VHB
VHB 3M adhesive back tape, stronger
stickiness

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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						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	Environment	Size (L *W *H)
KVX-24100-5C-A	100W	100-277VAC	24V	Yes	Dry/Damp/Wet	9.05 x 3.07 x 0.98 in. (23.0 x 7.8 x 2.5 cm)

DMX Decoders

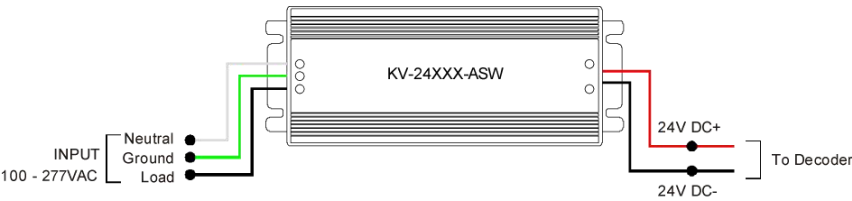
Code	Description
LT-904	4 channels output, up to 576W output power
LT-916	16 channels output, up to 1152W output power
LT-932	32 channels output, up to 1728W output power

Controllers

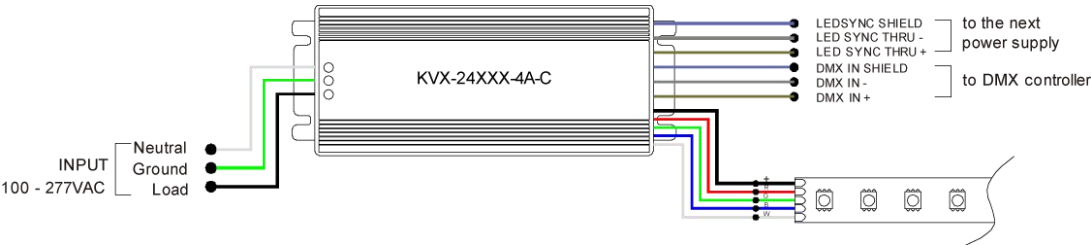
Code	Description
DINA-DR micro	DMX 60 channels, DMX Stand Alone controller with 10 scenes, USB connectivity for programming
SLESA-U9	DMX 256 channels, USB connection, standalone mode with 1 area and 20 scenes
STICK-GA2	DMX 512 channels, ready to use (pre-loaded with 8 scenes and 170 RGB fixtures)
STICK-CW4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

Wiring Diagram

Non-dimmable



DMX-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	10 AWG	12 AWG	14 AWG	16 AWG	18 AWG	20 AWG	22 AWG	24 AWG
5W / 0.2A	1730 ft (527.3 m)	1090 ft (332.2 m)	680 ft (207.3 m)	430 ft (131.1 m)	270 ft (82.3 m)	170 ft (51.8 m)	107 ft (32.6 m)	68 ft (20.7 m)
10W / 0.4A	784 ft (239.0 m)	539 ft (164.3 m)	345 ft (105.2 m)	215 ft (65.5 m)	134 ft (40.8 m)	85 ft (25.9 m)	52 ft (15.8 m)	34 ft (10.4 m)
15W / 0.6A	576 ft (175.6 m)	363 ft (110.6 m)	228 ft (69.5 m)	144 ft (43.9 m)	91 ft (27.7 m)	57 ft (17.4 m)	36 ft (11.0 m)	23 ft (7.0 m)
20W / 0.8A	397 ft (121.0 m)	272 ft (82.9 m)	174 ft (53.0 m)	109 ft (33.2 m)	68 ft (20.7 m)	43 ft (13.1 m)	27 ft (8.2 m)	17 ft (5.2 m)
25W / 1.0A	346 ft (105.5 m)	218 ft (66.4 m)	137 ft (41.8 m)	86 ft (26.2 m)	55 ft (16.8 m)	34 ft (10.4 m)	22 ft (6.7 m)	14 ft (4.3 m)
30W / 1.2A	263 ft (80.2 m)	181 ft (55.2 m)	115 ft (35.1 m)	72 ft (21.9 m)	45 ft (13.7 m)	27 ft (8.2 m)	17 ft (5.2 m)	12 ft (3.7 m)
35W / 1.5A	247 ft (75.3 m)	156 ft (47.5 m)	98 ft (29.9 m)	62 ft (18.9 m)	39 ft (11.9 m)	25 ft (7.6 m)	16 ft (4.9 m)	10 ft (3.0 m)
40W / 1.7A	197 ft (60.0 m)	135 ft (41.1 m)	86 ft (26.2 m)	54 ft (16.5 m)	33 ft (10.1 m)	21 ft (6.4 m)	13 ft (4.0 m)	9 ft (2.7 m)
45W / 1.9A	192 ft (58.5 m)	121 ft (36.9 m)	76 ft (23.2 m)	48 ft (14.6 m)	31 ft (9.4 m)	19 ft (5.8 m)	12 ft (3.7 m)	8 ft (2.4 m)
50W / 2.1A	158 ft (48.2 m)	108 ft (32.9 m)	69 ft (21.0 m)	43 ft (13.1 m)	27 ft (8.2 m)	17 ft (5.2 m)	10.5 ft (3.2 m)	7 ft (2.1 m)
60W / 2.5A	131 ft (39.9 m)	90 ft (27.4 m)	57 ft (17.4 m)	36 ft (11.0 m)	22 ft (6.7 m)	14 ft (4.3 m)	9 ft (2.7 m)	6 ft (1.8 m)
70W / 2.9A	112 ft (34.1 m)	77 ft (23.5 m)	49 ft (14.9 m)	31 ft (9.4 m)	19 ft (5.8 m)	12 ft (3.7 m)	7.5 ft (2.3 m)	5 ft (1.5 m)
80W / 3.3A	98 ft (29.9 m)	68 ft (20.7 m)	43 ft (13.1 m)	27 ft (8.2 m)	17 ft (5.2 m)	11 ft (3.4 m)	6.8 ft (2.1 m)	5 ft (1.5 m)
90W / 3.8A	97 ft (29.6 m)	61 ft (18.6 m)	39 ft (11.9 m)	24 ft (7.3 m)	15 ft (4.6 m)	9 ft (2.7 m)	6 ft (1.8 m)	4 ft (1.2 m)
100W / 4.2A	82 ft (25.0 m)	56 ft (17.1 m)	36 ft (11.0 m)	22 ft (6.7 m)	14 ft (4.3 m)	8 ft (2.4 m)	5.3 ft (1.6 m)	4 ft (1.2 m)