

BELA TAPE HD RGBW Indoor RGBW

Features

- Max run length up to 16.4ft (5m) from single power feed
- Field cuttable & joinable
- Low voltage DC24V
- 300 lumen outputs
- IP20 rated, ideal for indoor uses
- 5 years warranty

Applications

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

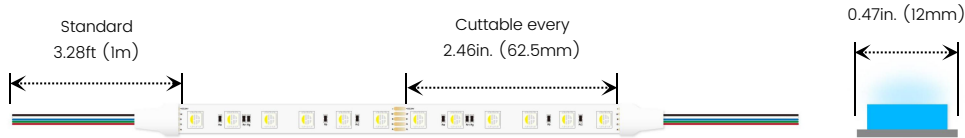


Date _____ Fixture type _____

Project name _____ Project phase _____



Dimensions



Order Code (For LED tape)

Series	Environment	Voltage	Temp./Color	Power
BELAHD	D2-Dry (IP20)	24-DC24V	RGBW30- RGBW (w=3000K)	585-5.85W/ft

Assembly Builder

		Left Feed Entry	
F Front	OW Open wire 3.28ft (1m)	MC Male connector with 0.98ft (30cm) cable	
C Closed	FC Female connector with 0.98ft (30cm) cable	NA Only for Closed Feed Entry	

Assembly Builder

		Right Feed Entry	Illuminated Length ¹
F Front	OW Open wire 3.28ft (1m)		Max. 16.4ft (5m)
C Closed	MC Male connector with 0.98ft (30cm) cable		
	FC Female connector with 0.98ft (30cm) cable		Increment 2.46in. (62.5mm)
	NA Only for Closed Feed Entry		

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

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

Temp./Color	5.85W/ft
R	44
G	117
B	30
W30	109
RGBW30	290
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	29 LEDs/ft (96 LEDs/M)
Beam Angle	120°
Efficacy	49.5lm/W @RGBW30 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	-4-113°F (-20°C- 45°C)

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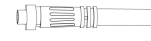
Feed Entry Options

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

Channel Compatibility

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

Lens Type & Light Transmission

CL Clear

FR Frosted

OP Opal

Surface

BE1202	BE1303	BE1919	BE2020
<input type="checkbox"/> CL 63% <input type="checkbox"/> FR 58% <input type="checkbox"/> OP 47%	<input type="checkbox"/> CL 65% <input type="checkbox"/> FR 59% <input type="checkbox"/> OP 48%	<input type="checkbox"/> CL 76% <input type="checkbox"/> FR 69% <input type="checkbox"/> OP 57%	<input type="checkbox"/> CL 80% <input type="checkbox"/> FR 73% <input type="checkbox"/> OP 60%

Mud-In

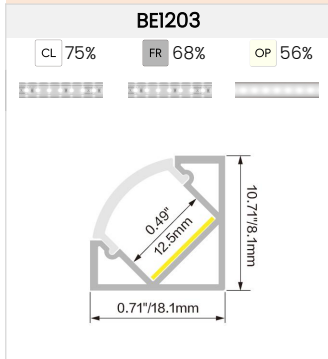
BE5615	BE7615
<input type="checkbox"/> CL 59% <input type="checkbox"/> FR 53% <input type="checkbox"/> OP 44%	<input type="checkbox"/> CL 70% <input type="checkbox"/> FR 64% <input type="checkbox"/> OP 52%

Recessed

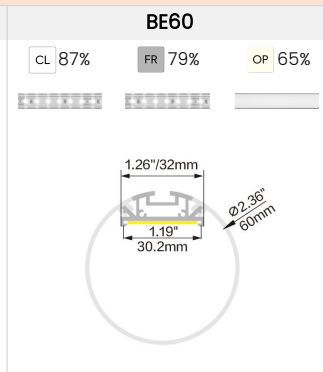
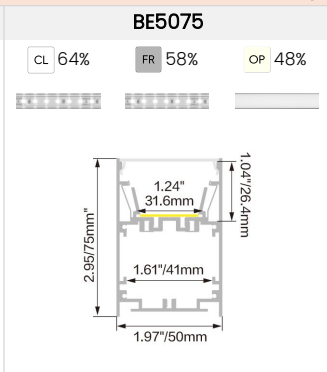
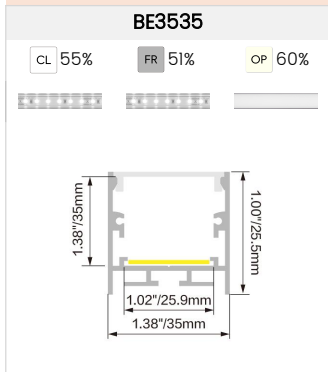
BE1207	BE5035	BE6575	BE1201
<input type="checkbox"/> CL 62% <input type="checkbox"/> FR 57% <input type="checkbox"/> OP 47%	<input type="checkbox"/> CL 51% <input type="checkbox"/> FR 47% <input type="checkbox"/> OP 38%	<input type="checkbox"/> CL 64% <input type="checkbox"/> FR 58% <input type="checkbox"/> OP 48%	<input type="checkbox"/> CL 62% <input type="checkbox"/> FR 57% <input type="checkbox"/> OP 46%

BELA TAPE HD RGBW Indoor ·RGBW

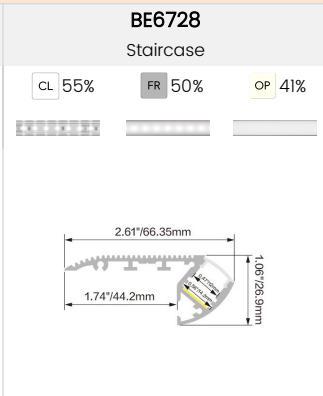
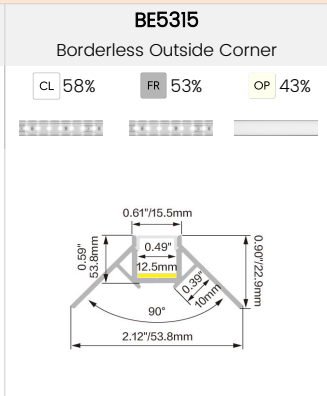
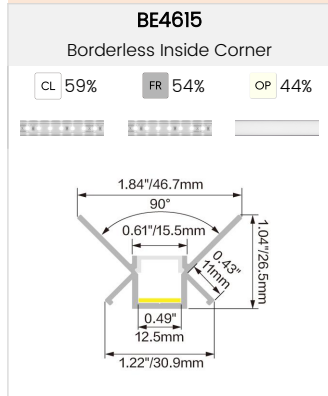
Corner



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

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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

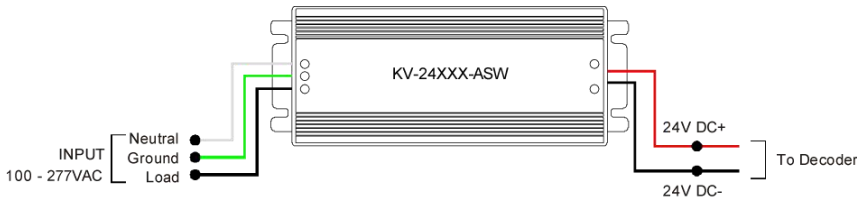
Code	Description
LT-904	4 channels output, up to 576W output power
LT-916	16 channels output, up to 1152W output power
LT-932	32 channels output, up to 1728W output power

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)