

ANNO TAPE RGB

Indoor · RGB

Features

- High-density diode-free COB tape, with changeable RGB 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	Left Feed Entry			
ANNO	D2-Dry (IP20)	24-DC24V	RGB-RGB	457-4.57W/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			Illuminated Length ¹	
F	Front	OW	Open wire 3.28ft (1m), 22AWG	Max. 16.4ft (5m)
C	Closed	MC	Male connector with 0.66ft (20cm) cable, 22AWG	Increment 1.57in (50mm)
		FC	Female connector with 0.66ft (20cm) cable, 22AWG	
		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.

Lumen Output (lm/ft)

Temp./Color	4.57W/ft
R	50
G	111
B	17
Max. Run for Class 2*	16.4ft (5m)
Max. Run Supported Length	16.4ft (5m)

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

Technical Details

Width	0.39in. (10mm)
LED Quantity	256 LEDs/ft (840 LEDs/M)
Beam Angle	180°
Efficacy	38.3lm/W @RGB 4.57W
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



Connector Wire Options



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

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

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

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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 53% FR 48% OP 39%	BEI202 CL 53% FR 48% OP 40%	BEI302 CL 73% FR 67% OP 55%	BEI415 CL 44% FR 41% OP 33%
BEI919 CL 66% FR 60% OP 49%	BE2020 CL 66% FR 60% OP 49%	BE2601 CL 71% FR 65% OP 53%	
Mud-In			
BE5615 CL 49% FR 45% OP 37%	BE7615 CL 62% FR 57% OP 46%		
Recessed			
BEI207 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%

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Indoor · RGB

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 54% OP 44%	BE60 CL 83% FR 76% OP 62%	BE3535 CL 49% FR 44% OP 36%	
Specialty			
BE1806 Bendable surface mounted CL 79% FR 72% OP 59%	BE2009 Coves CL 48% FR 43% OP 36%	BE4615 Borderless Inside Corner CL 53% FR 48% OP 39%	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 0.39in. (10mm) tape, 4 pin



NCO-STC-4P-10
Strip to cable connector with 5.9lin. (15cm) wire, for 0.39in. (10mm) tape, 4 pin



NCO-STSJ-4P-10
Strip to strip jumper connector with 5.9lin. (15cm) wire, for 0.39in. (10mm) tape, 4 pin



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



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



NI4CO-ST5-4P-10
Strip to strip connector, for 0.39in. (10mm) tape, 4 pin



MCW-4P-67
Male connector with 0.98ft (30cm) white cable, 4 pin, IP67, Wet, 20 AWG



FCW-4P-67
Female connector with 0.98ft (30cm) white cable, 4 pin, IP67, Wet, 20 AWG



VHB
VHB 3M adhesive back tape, stronger stickiness

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-24100-3C-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-903	3 channels output, up to 576W output power
LT-912	12 channels output, up to 1152W output power
LT-924	24 channels output, up to 1728W output power

Controllers

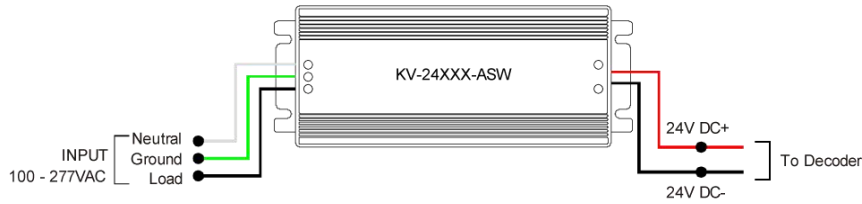
Code	Description
DINA-DR micro	DMX 60 channels, DMX Stand Alone controller with 10 scenes, USB connectivity for programming
SLESA-U9	DMX 256 channels, USB connection, standalone mode with 1 area and 20 scenes
STICK-GA2	DMX 512 channels, ready to use (pre-loaded with 8 scenes and 170 RGB fixtures)
STICK-CW4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

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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	20AWG	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)