TRACE

PRO PIXEL Vertical - White



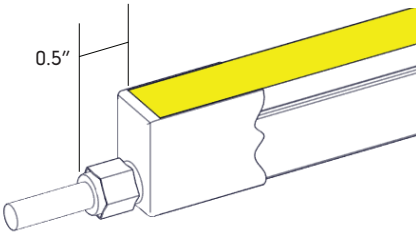


Project: _____ Type: _____

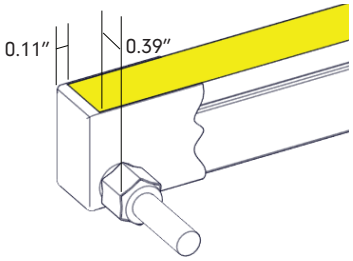
- Vertical bending UV stabilized for exterior use with silicone housing (no yellowing or cracking)
- White pixel mixing and advance chasing with programmable scenes using DMX control
- Perfect for stunning visual display and animated lighting sequences
- Constructed using flexible SMD LEDs with zero voltage drop for reliability and uniformity of light
- 24V DC
- Long-life LEDs
- IP67 Rating
- 5 Year warrant

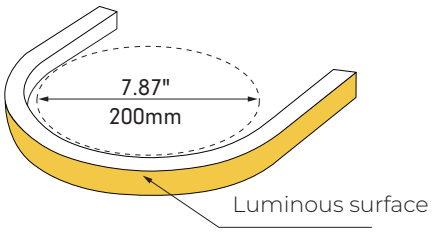
Dimensions

Front Lead

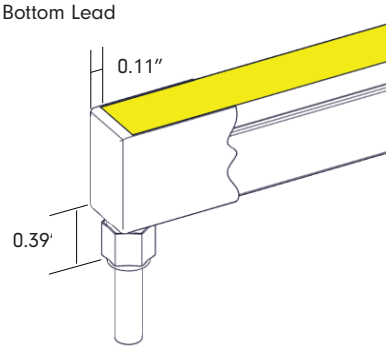


Side Lead

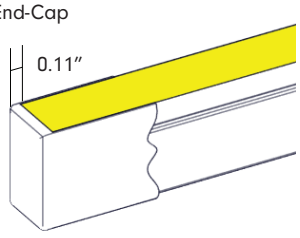


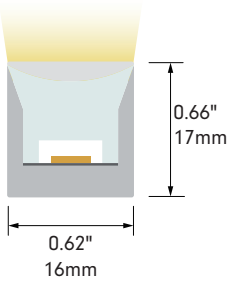


Bottom Lead



End-Cap





Tivoli, LLC. reserves the right to modify this specification without prior notice.

Order Guide

NOTE: Lengths and quantity of each run must be submitted at time of order.
TRACE Pixel is factory prep only. In-field cutting will void warranty.

PRODUCT CODE	INTENSITY	PROFILE	LED COLOR	JACKET COLOR	END PREP 1	END PREP 2	VOLTAGE	LENGTH
TRCEPR		V	30PX				24	
TRCEPR = Trace Pro	L = Low Output S = Standard Output H = High Output	V = Vertical	30PX = 3000K Pixel	BLK = Black WHT = White	F1 = Front (Bare Wire) S1 = Side (Bare Wire) B1 = Bottom (Bare Wire) F2 = Front (M12 Water Proof) S2 = Side (M12 Water Proof) B2 = Bottom (M12 Water Proof) E = End Cap	F1 = Front (Bare Wire) S1 = Side (Bare Wire) B1 = Bottom (Bare Wire) F2 = Front (M12 Water Proof) S2 = Side (M12 Water Proof) B2 = Bottom (M12 Water Proof) E = End Cap	24 = 24V DC	See Chart

- Maximum Run length refers to single side feed in serial connection
- The given color temperature is the strip (after coating) color temperature
- The given data are typical values due to the tolerances of the production process and electrical components; values for the light output and electrical power can vary up to 10%

Specifications

Low Output	
Kelvin Temperature	3000K
Lumens (lm/ft)	CF
Efficacy	CF
CRI	CF
R9	CF
Power Consumption (W/ft)	1.5
Maximum Electrical Run	45'

Standard Output	
Kelvin Temperature	3000K
Lumens (lm/ft)	124.8
Efficacy	39.65
CRI	>90
R9	73
Power Consumption (W/ft)	3.0
Maximum Electrical Run	29'

High Output	
Kelvin Temperature	3000K
Lumens (lm/ft)	CF
Efficacy	CF
CRI	CF
R9	CF
Power Consumption (W/ft)	4.5
Maximum Electrical Run	21'

Overall Specifications

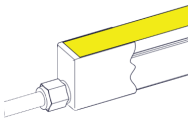
Physical	
Pixel/ft	2.4
LED Package	2835
Beam Angle	124.4°
Dimensions	0.66" (17MM) X 0.62" (16MM)
Cutting Increments	5"
Material	UV, Solvent, Saltwater resistant silicone
LED PIN Temperature Max	65°C (149°F)
Storage Temperature	-25°C (-13°F) ~ 60°C (140°F)
Ambient Temperature 1.5W	-25°C (-13°F) ~ 55°C (131°F)
Ambient Temperature 3W	-25°C (-13°F) ~ 45°C (113°F)
Ambient Temperature 4.5W	-25°C (-13°F) ~ 35°C (95°F)

Electrical	
Input Voltage	24V DC
Control	
Control System	DMX
IC Model	UCS512CL
Certification and Testing	
Certification	cULus, IK10, RoHS
Rated Life L70/hrs	30,000
Environment	Wet Location
IP Rating	IP67
Warranty	5 Years

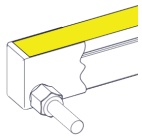
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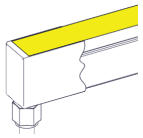
Molded End-Prep Example



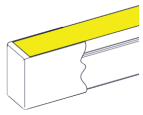
FRONT (F1,F2)
Front Lead Entry
10' Power Lead Cable with End Cap



SIDE (S1, S2)
Side Lead Entry
10' Power Lead Cable with End Cap

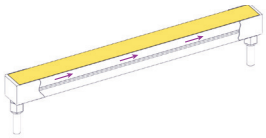


BOTTOM (B1, B2)
Bottom Lead Entry
10' Power Lead Cable with End Cap

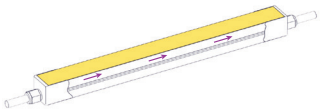


END CAP (E)
End Cap (No Lead)
1 pc End Cap

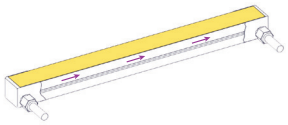
Molded Power Lead Configurations



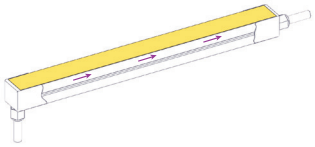
B-B
Left Facing Bottom Lead
Right Facing Bottom Lead



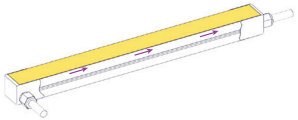
F-F
Left Facing Front Lead
Right Facing Front Lead



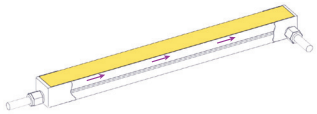
S-S
Left Facing Side Lead
Right Facing Side Lead



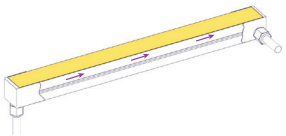
B-F
Left Facing Bottom Lead
Right Facing Front Lead



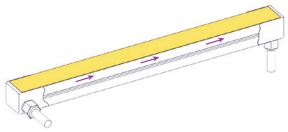
S-F
Left Facing Side Lead
Right Facing Front Lead



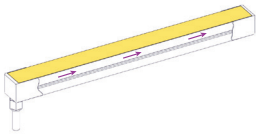
F-S
Left Facing Front Lead
Right Facing Side Lead



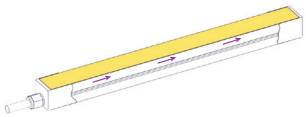
B-S
Left Facing Bottom Lead
Right Facing Side Lead



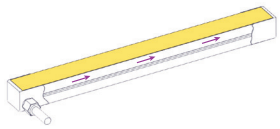
S-B
Left Facing Side Lead
Right Facing Bottom Lead



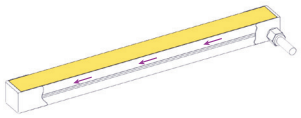
B-E
Left Facing Bottom Lead
Right End Cap



F-E
Left Facing Front Lead
Right End Cap



S-E
Left Facing Side Lead
Right Facing End Cap



E-S
Left Facing End Cap Lead
Right Facing Side Lead

Note: TRACE Pro Pixel is data directional product. Data only flows in one direction. When ordering lead prep configuration consider data flow to avoid any onsite issue

Tivoli, LLC. reserves the right to modify this specification without prior notice.

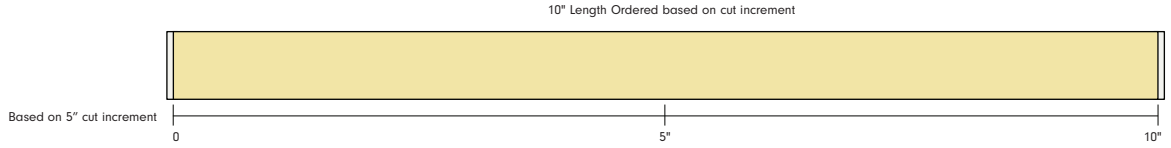
Length Order Guide (Front - Front)

Note: TRACE Pro Pixel is data directional product. Data only flows in one direction. When ordering lead prep configuration consider data flow to avoid any onsite issue

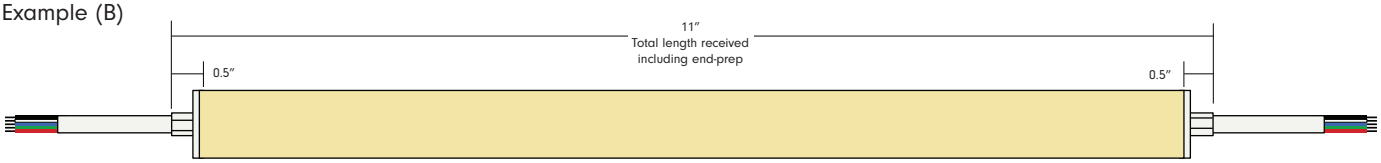
Note: Use "**Cut Increment**" number for order enty information (see chart below)

Order information is based on total amount of cut incrments needed within a single run - See example (A) below
Total product length received will include added end-prep of choice within a tolerance (±in 0.275) - See example (B) below

Example (A)



Example (B)



CUT INCREMENT	ACTUAL INCH	ACTUAL FOOT	WATTS 1.5W	WATTS 3.0W	WATTS 4.5W	NOMINAL LENGTH
002	11	0.92	1.25	2.50	3.75	1'
003	16	1.33	1.88	3.75	5.63	
004	21	1.75	2.50	5.00	7.50	2'
005	26	2.17	3.13	6.25	9.38	
006	31	2.58	3.75	7.50	11.25	
007	36	3.00	4.38	8.75	13.13	3'
008	41	3.42	5.00	10.00	15.00	
009	46	3.83	5.63	11.25	16.88	4'
010	51	4.25	6.25	12.50	18.75	
011	56	4.67	6.88	13.75	20.63	
012	61	5.08	7.50	15.00	22.50	5'
013	66	5.50	8.13	16.25	24.38	
014	71	5.92	8.75	17.50	26.25	6'
015	76	6.33	9.38	18.75	28.13	
016	81	6.75	10.00	20.00	30.00	7'
017	86	7.17	10.63	21.25	31.88	
018	91	7.58	11.25	22.50	33.75	
019	96	8.00	11.88	23.75	35.63	8'
020	101	8.42	12.50	25.00	37.50	
021	106	8.83	13.13	26.25	39.38	9'
022	111	9.25	13.75	27.50	41.25	
023	116	9.67	14.38	28.75	43.13	
024	121	10.08	15.00	30.00	45.00	10'
025	126	10.50	15.63	31.25	46.88	
026	131	10.92	16.25	32.50	48.75	11'
027	136	11.33	16.88	33.75	50.63	
028	141	11.75	17.50	35.00	52.50	12'
029	146	12.17	18.13	36.25	54.38	
030	151	12.58	18.75	37.50	56.25	
031	156	13.00	19.38	38.75	58.13	13'
032	161	13.42	20.00	40.00	60.00	
033	166	13.83	20.63	41.25	61.88	14'
034	171	14.25	21.25	42.50	63.75	
035	176	14.67	21.88	43.75	65.63	
036	181	15.08	22.50	45.00	67.50	15'

CUT INCREMENT	ACTUAL INCH	ACTUAL FOOT	WATTS 1.5W	WATTS 3.0W	WATTS 4.5W	NOMINAL LENGTH
037	186	15.50	23.13	46.25	69.38	
038	191	15.92	23.75	47.50	71.25	16'
039	196	16.33	24.38	48.75	73.13	
040	201	16.75	25.00	50.00	75.00	17'
041	206	17.17	25.63	51.25	76.88	
042	211	17.58	26.25	52.50	78.75	
043	216	18.00	26.88	53.75	80.63	18'
044	221	18.42	27.50	55.00	82.50	
045	226	18.83	28.13	56.25	84.38	19'
046	231	19.25	28.75	57.50	86.25	
047	236	19.67	29.38	58.75	88.13	
048	241	20.08	30.00	60.00	90.00	20'
049	246	20.50	30.63	61.25	91.88	
050	251	20.92	31.25	62.50	93.75	21'
051	256	21.33	31.88	63.75	X	
052	261	21.75	32.50	65.00	X	22'
053	266	22.17	33.13	66.25	X	
054	271	22.58	33.75	67.50	X	
055	276	23.00	34.38	68.75	X	23'
056	281	23.42	35.00	70.00	X	
057	286	23.83	35.63	71.25	X	24'
058	291	24.25	36.25	72.50	X	
059	296	24.67	36.88	73.75	X	
060	301	25.08	37.50	75.00	X	25'
061	306	25.50	38.13	76.25	X	
062	311	25.92	38.75	77.50	X	26'
063	316	26.33	39.38	78.75	X	
064	321	26.75	40.00	80.00	X	27'
065	326	27.17	40.63	81.25	X	
066	331	27.58	41.25	82.50	X	
067	336	28.00	41.88	83.75	X	28'
068	341	28.42	42.50	85.00	X	
069	346	28.83	43.13	86.25	X	29'
070	351	29.25	43.75	X	X	
071	356	29.67	44.38	X	X	

CUT INCREMENT	ACTUAL INCH	ACTUAL FOOT	WATTS 1.5W	WATTS 3.0W	WATTS 4.5W	NOMINAL LENGTH
072	361	30.08	45.00	X	X	30'
073	366	30.50	45.63	X	X	
074	371	30.92	46.25	X	X	31'
075	376	31.33	46.88	X	X	
076	381	31.75	47.50	X	X	32'
077	386	32.17	48.13	X	X	
078	391	32.58	48.75	X	X	
079	396	33.00	49.38	X	X	33'
080	401	33.42	50.00	X	X	
081	406	33.83	50.63	X	X	34'
082	411	34.25	51.25	X	X	
083	416	34.67	51.88	X	X	
084	421	35.08	52.50	X	X	35'
085	426	35.50	53.13	X	X	
086	431	35.92	53.75	X	X	36'
087	436	36.33	54.38	X	X	
088	441	36.75	55.00	X	X	37'
089	446	37.17	55.63	X	X	
090	451	37.58	56.25	X	X	
091	456	38.00	56.88	X	X	38'
092	461	38.42	57.50	X	X	
093	466	38.83	58.13	X	X	39'
094	471	39.25	58.75	X	X	
095	476	39.67	59.38	X	X	
096	481	40.08	60.00	X	X	40'
097	486	40.50	60.63	X	X	
098	491	40.92	61.25	X	X	41'
099	496	41.33	61.88	X	X	
100	501	41.75	62.50	X	X	
101	506	42.17	63.13	X	X	42'
102	511	42.58	63.75	X	X	
103	516	43.00	64.38	X	X	43
104	521	43.42	65.00	X	X	
105	526	43.83	65.63	X	X	44'
106	531	44.25	66.25	X	X	
107	536	44.67	66.88	X	X	
108	541	45.08	67.50	X	X	45'

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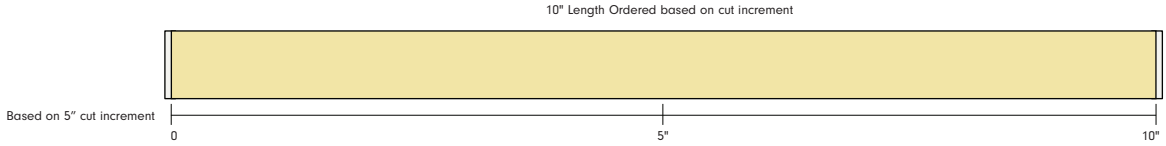
Length Order Guide (Front - Bottom/Side/End Cap)

Note: TRACE Pro Pixel is data directional product. Data only flows in one direction. When ordering lead prep configuration consider data flow to avoid any onsite issue

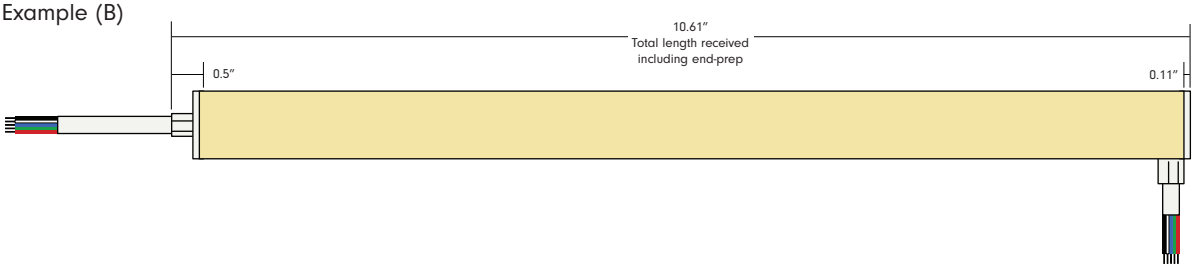
Note: Use "**Cut Increment**" number for order enty information (see chart below)

Order information is based on total amount of cut incrments needed within a single run - See example (A) below
Total product length received will include added end-prep of choice within a tolerance (±in 0.275) - See example (B) below

Example (A)



Example (B)



CUT INCREMENT	ACTUAL INCH	ACTUAL FOOT	WATTS 1.5W	WATTS 3.0W	WATTS 4.5W	NOMINAL LENGTH
002	10.61	0.88	1.25	2.50	3.75	1'
003	15.61	1.30	1.88	3.75	5.63	
004	20.61	1.72	2.50	5.00	7.50	2'
005	25.61	2.13	3.13	6.25	9.38	
006	30.61	2.55	3.75	7.50	11.25	
007	35.61	2.97	4.38	8.75	13.13	3'
008	40.61	3.38	5.00	10.00	15.00	
009	45.61	3.80	5.63	11.25	16.88	4'
010	50.61	4.22	6.25	12.50	18.75	
011	55.61	4.63	6.88	13.75	20.63	
012	60.61	5.05	7.50	15.00	22.50	5'
013	65.61	5.47	8.13	16.25	24.38	
014	70.61	5.88	8.75	17.50	26.25	6'
015	75.61	6.30	9.38	18.75	28.13	
016	80.61	6.72	10.00	20.00	30.00	7'
017	85.61	7.13	10.63	21.25	31.88	
018	90.61	7.55	11.25	22.50	33.75	
019	95.61	7.97	11.88	23.75	35.63	8'
020	100.61	8.38	12.50	25.00	37.50	
021	105.61	8.80	13.13	26.25	39.38	9'
022	110.61	9.22	13.75	27.50	41.25	
023	115.61	9.63	14.38	28.75	43.13	
024	120.61	10.05	15.00	30.00	45.00	10'
025	125.61	10.47	15.63	31.25	46.88	
026	130.61	10.88	16.25	32.50	48.75	11'
027	135.61	11.30	16.88	33.75	50.63	
028	140.61	11.72	17.50	35.00	52.50	12'
029	145.61	12.13	18.13	36.25	54.38	
030	150.61	12.55	18.75	37.50	56.25	
031	155.61	12.97	19.38	38.75	58.13	13'
032	160.61	13.38	20.00	40.00	60.00	
033	165.61	13.80	20.63	41.25	61.88	14'
034	170.61	14.22	21.25	42.50	63.75	
035	175.61	14.63	21.88	43.75	65.63	
036	180.61	15.05	22.50	45.00	67.50	15'

CUT INCREMENT	ACTUAL INCH	ACTUAL FOOT	WATTS 1.5W	WATTS 3.0W	WATTS 4.5W	NOMINAL LENGTH
037	185.61	15.47	23.13	46.25	69.38	
038	190.61	15.88	23.75	47.50	71.25	16'
039	195.61	16.30	24.38	48.75	73.13	
040	200.61	16.72	25.00	50.00	75.00	17'
041	205.61	17.13	25.63	51.25	76.88	
042	210.61	17.55	26.25	52.50	78.75	
043	215.61	17.97	26.88	53.75	80.63	18'
044	220.61	18.38	27.50	55.00	82.50	
045	225.61	18.80	28.13	56.25	84.38	19'
046	230.61	19.22	28.75	57.50	86.25	
047	235.61	19.63	29.38	58.75	88.13	
048	240.61	20.05	30.00	60.00	90.00	20'
049	245.61	20.47	30.63	61.25	91.88	
050	250.61	20.88	31.25	62.50	93.75	21'
051	255.61	21.30	31.88	63.75	X	
052	260.61	21.72	32.50	65.00	X	22'
053	265.61	22.13	33.13	66.25	X	
054	270.61	22.55	33.75	67.50	X	
055	275.61	22.97	34.38	68.75	X	23'
056	280.61	23.38	35.00	70.00	X	
057	285.61	23.80	35.63	71.25	X	24'
058	290.61	24.22	36.25	72.50	X	
059	295.61	24.63	36.88	73.75	X	
060	300.61	25.05	37.50	75.00	X	25'
061	305.61	25.47	38.13	76.25	X	
062	310.61	25.88	38.75	77.50	X	26'
063	315.61	26.30	39.38	78.75	X	
064	320.61	26.72	40.00	80.00	X	27'
065	325.61	27.13	40.63	81.25	X	
066	330.61	27.55	41.25	82.50	X	
067	335.61	27.97	41.88	83.75	X	28'
068	340.61	28.38	42.50	85.00	X	
069	345.61	28.80	43.13	86.25	X	29'
070	350.61	29.22	43.75	X	X	
071	355.61	29.63	44.38	X	X	

CUT INCREMENT	ACTUAL INCH	ACTUAL FOOT	WATTS 1.5W	WATTS 3.0W	WATTS 4.5W	NOMINAL LENGTH
072	360.61	30.05	45.00	X	X	30'
073	365.61	30.47	45.63	X	X	
074	370.61	30.88	46.25	X	X	31'
075	375.61	31.30	46.88	X	X	
076	380.61	31.72	47.50	X	X	32'
077	385.61	32.13	48.13	X	X	
078	390.61	32.55	48.75	X	X	
079	395.61	32.97	49.38	X	X	33'
080	400.61	33.38	50.00	X	X	
081	405.61	33.80	50.63	X	X	34'
082	410.61	34.22	51.25	X	X	
083	415.61	34.63	51.88	X	X	
084	420.61	35.05	52.50	X	X	35'
085	425.61	35.47	53.13	X	X	
086	430.61	35.88	53.75	X	X	36'
087	435.61	36.30	54.38	X	X	
088	440.61	36.72	55.00	X	X	37'
089	445.61	37.13	55.63	X	X	
090	450.61	37.55	56.25	X	X	
091	455.61	37.97	56.88	X	X	38'
092	460.61	38.38	57.50	X	X	
093	465.61	38.80	58.13	X	X	39'
094	470.61	39.22	58.75	X	X	
095	475.61	39.63	59.38	X	X	
096	480.61	40.05	60.00	X	X	40'
097	485.61	40.47	60.63	X	X	
098	490.61	40.88	61.25	X	X	41'
099	495.61	41.30	61.88	X	X	
100	500.61	41.72	62.50	X	X	
101	505.61	42.13	63.13	X	X	42'
102	510.61	42.55	63.75	X	X	
103	515.61	42.97	64.38	X	X	43
104	520.61	43.38	65.00	X	X	
105	525.61	43.80	65.63	X	X	44'
106	530.61	44.22	66.25	X	X	
107	535.61	44.63	66.88	X	X	
108	540.61	45.05	67.50	X	X	45'

Tivoli, LLC. reserves the right to modify this specification without prior notice.

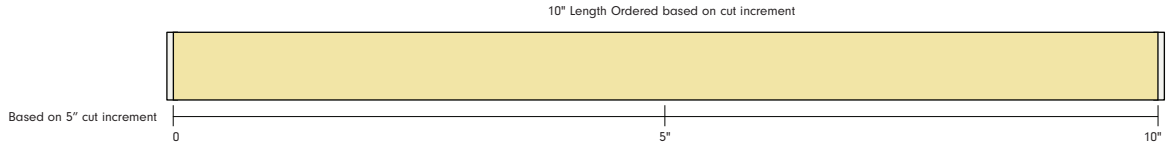
Length Order Guide (Bottom/Side/End Cap - Bottom/Side/End Cap)

Note: TRACE Pro Pixel is data directional product. Data only flows in one direction. When ordering lead prep configuration consider data flow to avoid any onsite issue

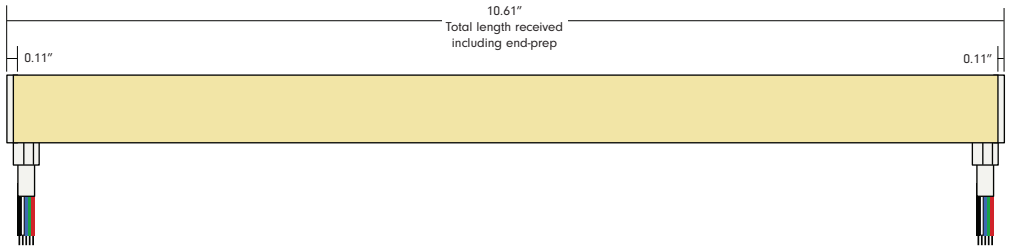
Note: Use "**Cut Increment**" number for order enty information (see chart below)

Order information is based on total amount of cut incrments needed within a single run - See example (A) below
Total product length received will include added end-prep of choice within a tolerance (±in 0.275) - See example (B) below

Example (A)



Example (B)



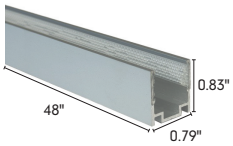
CUT INCREMENT	ACTUAL INCH	ACTUAL FOOT	WATTS 1.5W	WATTS 3.0W	WATTS 4.5W	NOMINAL LENGTH
002	10.22	0.85	1.25	2.50	3.75	1'
003	15.22	1.27	1.88	3.75	5.63	
004	20.22	1.69	2.50	5.00	7.50	2'
005	25.22	2.10	3.13	6.25	9.38	
006	30.22	2.52	3.75	7.50	11.25	
007	35.22	2.94	4.38	8.75	13.13	3'
008	40.22	3.35	5.00	10.00	15.00	
009	45.22	3.77	5.63	11.25	16.88	4'
010	50.22	4.19	6.25	12.50	18.75	
011	55.22	4.60	6.88	13.75	20.63	
012	60.22	5.02	7.50	15.00	22.50	5'
013	65.22	5.44	8.13	16.25	24.38	
014	70.22	5.85	8.75	17.50	26.25	6'
015	75.22	6.27	9.38	18.75	28.13	
016	80.22	6.69	10.00	20.00	30.00	7'
017	85.22	7.10	10.63	21.25	31.88	
018	90.22	7.52	11.25	22.50	33.75	
019	95.22	7.94	11.88	23.75	35.63	8'
020	100.22	8.35	12.50	25.00	37.50	
021	105.22	8.77	13.13	26.25	39.38	9'
022	110.22	9.19	13.75	27.50	41.25	
023	115.22	9.60	14.38	28.75	43.13	
024	120.22	10.02	15.00	30.00	45.00	10'
025	125.22	10.44	15.63	31.25	46.88	
026	130.22	10.85	16.25	32.50	48.75	11'
027	135.22	11.27	16.88	33.75	50.63	
028	140.22	11.69	17.50	35.00	52.50	12'
029	145.22	12.10	18.13	36.25	54.38	
030	150.22	12.52	18.75	37.50	56.25	
031	155.22	12.94	19.38	38.75	58.13	13'
032	160.22	13.35	20.00	40.00	60.00	
033	165.22	13.77	20.63	41.25	61.88	14'
034	170.22	14.19	21.25	42.50	63.75	
035	175.22	14.60	21.88	43.75	65.63	
036	180.22	15.02	22.50	45.00	67.50	15'

CUT INCREMENT	ACTUAL INCH	ACTUAL FOOT	WATTS 1.5W	WATTS 3.0W	WATTS 4.5W	NOMINAL LENGTH
037	185.22	15.44	23.13	46.25	69.38	
038	190.22	15.85	23.75	47.50	71.25	16'
039	195.22	16.27	24.38	48.75	73.13	
040	200.22	16.69	25.00	50.00	75.00	17'
041	205.22	17.10	25.63	51.25	76.88	
042	210.22	17.52	26.25	52.50	78.75	
043	215.22	17.94	26.88	53.75	80.63	18'
044	220.22	18.35	27.50	55.00	82.50	
045	225.22	18.77	28.13	56.25	84.38	19'
046	230.22	19.19	28.75	57.50	86.25	
047	235.22	19.60	29.38	58.75	88.13	
048	240.22	20.02	30.00	60.00	90.00	20'
049	245.22	20.44	30.63	61.25	91.88	
050	250.22	20.85	31.25	62.50	93.75	21'
051	255.22	21.27	31.88	63.75	X	
052	260.22	21.69	32.50	65.00	X	22'
053	265.22	22.10	33.13	66.25	X	
054	270.22	22.52	33.75	67.50	X	
055	275.22	22.94	34.38	68.75	X	23'
056	280.22	23.35	35.00	70.00	X	
057	285.22	23.77	35.63	71.25	X	24'
058	290.22	24.19	36.25	72.50	X	
059	295.22	24.60	36.88	73.75	X	
060	300.22	25.02	37.50	75.00	X	25'
061	305.22	25.44	38.13	76.25	X	
062	310.22	25.85	38.75	77.50	X	26'
063	315.22	26.27	39.38	78.75	X	
064	320.22	26.69	40.00	80.00	X	27'
065	325.22	27.10	40.63	81.25	X	
066	330.22	27.52	41.25	82.50	X	
067	335.22	27.94	41.88	83.75	X	28'
068	340.22	28.35	42.50	85.00	X	
069	345.22	28.77	43.13	86.25	X	29'
070	350.22	29.19	43.75	X	X	
071	355.22	29.60	44.38	X	X	

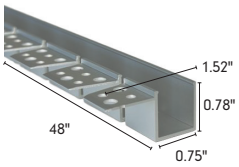
CUT INCREMENT	ACTUAL INCH	ACTUAL FOOT	WATTS 1.5W	WATTS 3.0W	WATTS 4.5W	NOMINAL LENGTH
072	360.22	30.02	45.00	X	X	30'
073	365.22	30.44	45.63	X	X	
074	370.22	30.85	46.25	X	X	31'
075	375.22	31.27	46.88	X	X	
076	380.22	31.69	47.50	X	X	32'
077	385.22	32.10	48.13	X	X	
078	390.22	32.52	48.75	X	X	
079	395.22	32.94	49.38	X	X	33'
080	400.22	33.35	50.00	X	X	
081	405.22	33.77	50.63	X	X	34'
082	410.22	34.19	51.25	X	X	
083	415.22	34.60	51.88	X	X	
084	420.22	35.02	52.50	X	X	35'
085	425.22	35.44	53.13	X	X	
086	430.22	35.85	53.75	X	X	36'
087	435.22	36.27	54.38	X	X	
088	440.22	36.69	55.00	X	X	37'
089	445.22	37.10	55.63	X	X	
090	450.22	37.52	56.25	X	X	
091	455.22	37.94	56.88	X	X	38'
092	460.22	38.35	57.50	X	X	
093	465.22	38.77	58.13	X	X	39'
094	470.22	39.19	58.75	X	X	
095	475.22	39.60	59.38	X	X	
096	480.22	40.02	60.00	X	X	40'
097	485.22	40.44	60.63	X	X	
098	490.22	40.85	61.25	X	X	41'
099	495.22	41.27	61.88	X	X	
100	500.22	41.69	62.50	X	X	
101	505.22	42.10	63.13	X	X	42'
102	510.22	42.52	63.75	X	X	
103	515.22	42.94	64.38	X	X	43
104	520.22	43.35	65.00	X	X	
105	525.22	43.77	65.63	X	X	44'
106	530.22	44.19	66.25	X	X	
107	535.22	44.60	66.88	X	X	
108	540.22	45.02	67.50	X	X	45'

Tivoli, LLC. reserves the right to modify this specification without prior notice.

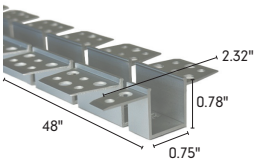
Accessories Mounting



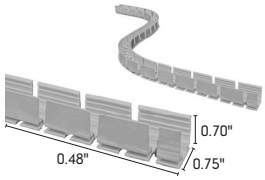
TRCEPR-SLV-CHAN-4
Aluminum Channel
with internal grip
4' Length



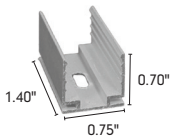
TRCEPR-SLV-SF-CHAN-4
Aluminum Single Flange
Mud-In Horizontal-Bend Channel
4' Length



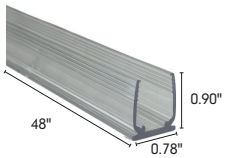
TRCEPR-SLV-DF-CHAN-4
Aluminum Double Flange
Mud-In Dual-Bend Channel
4' Length



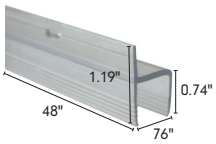
TRCEPR-SLV-NCHAN-4
Aluminum Notched
Dual-Bend Channel
4' Length



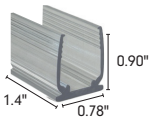
TRCEPR-XXX-MTCLIPS
XXX= **SLV** (silver), **BLK** (black)
3 Mounting clips with 3 screws



TRCEPR-CLR-PCCHAN-01-4
Polycarbonate Channel
4' Length



TRCEPR-CLR-PCCHAN-02-4
Polycarbonate Channel
4' Length



TRCEPR-CLR-PCCLIPS
Polycarbonate Clip
3 Mounting clips with 3 screws



TRCEPR-NS-EC
Trace Pro Assembled
Closed Clear Mechanical End
Cap (Screwless)



FLXD-SIL-GE-10
GE Silicone 10oz Tube
Use to adhere TRACE into
entire run length of channel
25' estimated bead length per
10oz tube

Tivoli, LLC. reserves the right to modify this specification without prior notice.

Network Hardware



ARTNET-S-8-512
8 port universe Artnet to DMX interface, 4096 DMX channels Programmable for playback and live support
(Online or Offline option)



MDRX-AURA-XX
X = 02, 08, 32 (ports)
MADRIX Luna 2, 8, 32 port universe Artnet to DMX interface. Programmable for playback and live support
(Online or Offline option)



DMX-WRTR
DMX writer for addressable pixel product



DMX-SPLT-X
X= 2, 4, 8 (Output Channels)
DMX Splitter 1 Input to 8 Output Ethernet or Hardwire Connection

Note: If the number of DMX sub-controllers exceed 32 units, a DMX Splitter is required.



MDRX-LUNA-XX
XX = 04, 08, 16 (ports)
MADRIX Luna 4, 8, 16 port universe Artnet to DMX interface 16 port 8192, 8 port 4096, 4 port 2048 DMX channels



ARTNET-L-XX-512
XX = 8, 16 (ports)
8 or 16 port universe Artnet to DMX interface,
16 port 8192 DMX channels
8 port 4096 DMX channels



NTG-SWI-XXPT
XX = 8 (8 Port), 16 (16 Port)
NETGEAR 8, 16 Port gigabit Unmanaged Switch



DMX3-CAT5-F-ADPTR
DMX adapter
3-pin XLR female to RJ45



RJ45-HRDW-ADPTR
8 Wire Hardwire to CAT-5/6 Adapter

Accessories Power & Data



TRCEPR-JUMPER-5P-XX
XX = **5** (5'), **10** (10'), **25** (25')
M12 (5-Pin) Jumper Cable



TRCEPR-T-CONN-01-5P
M12 - M12 (5-PIN) T-Connection Power With Data Pass



GELJB-6-BK
1/2/3/4/5/6 Wire IP67 Gel Filled Junction Box

Tivoli, LLC. reserves the right to modify this specification without prior notice.

In-Wall DMX Controls



TVOQ-10-XX-7
XX = BK (black), WH (white)
1024 DMX channel, 500 scene,
10 zone, glass touch screen



TVOQ-2-XX
XX = BK (black), WH (white)
512 DMX channel, 99 scene,
1 zone, glass touch screen



TVOQ-1-WHT
512 DMX channel, 16 scene,
4 zone, glass touch screen

Key & Software Levels

PRODUCT CODE		CONTROL		5 KEY & SOFTWARE LEVEL
MDRX	-	**LC**	-	
MDRX = MADRIX		LC = Lighting Control		5S = Start Level 5E = Entry Level 5B = Basic Level 5P = Professional Level 5U = Ultimate Level 5M = Maximum Level

Level	START	ENTRY	BASIC		ULTIMATE	MAXIMUM
MADRIX 5 Order Code	MDRX-LC-5S	MDRX-LC-5E	MDRX-LC-5B	MDRX-LC-5P	MDRX-LC-5U	MDRX-LC-5M
DMX-Based Output						
DMX Channels	1,024	4,096	16,384	65,536	262,144	1,048,576
DMX Universe Example	2	8	32	128	512	2,048
RGB Voxels Example	341	1,365	5,461	21,845	87,381	349,525
DVI-Based Output						
DVI Voxels	4,096	16,384	262,144	1,048,576	2,097,152	2,097,152
Render Resolution (Pixel x Pixel)	64 x 64	128 x 128	512 x 512	1,024 x 1,024	2,048 x 1,024	2,048 x 1,024

Tivoli Commissioning Service

Tivoli's DMX Commissioning service involves the setup and configuration of our DMX lighting and control system, ensuring the seamless integration of our lighting fixtures with the specified DMX Control system ordered.

For more information about commission service, contact:
sales@tivoliusa.com
714-957-6101 (Engineering Tech Support)

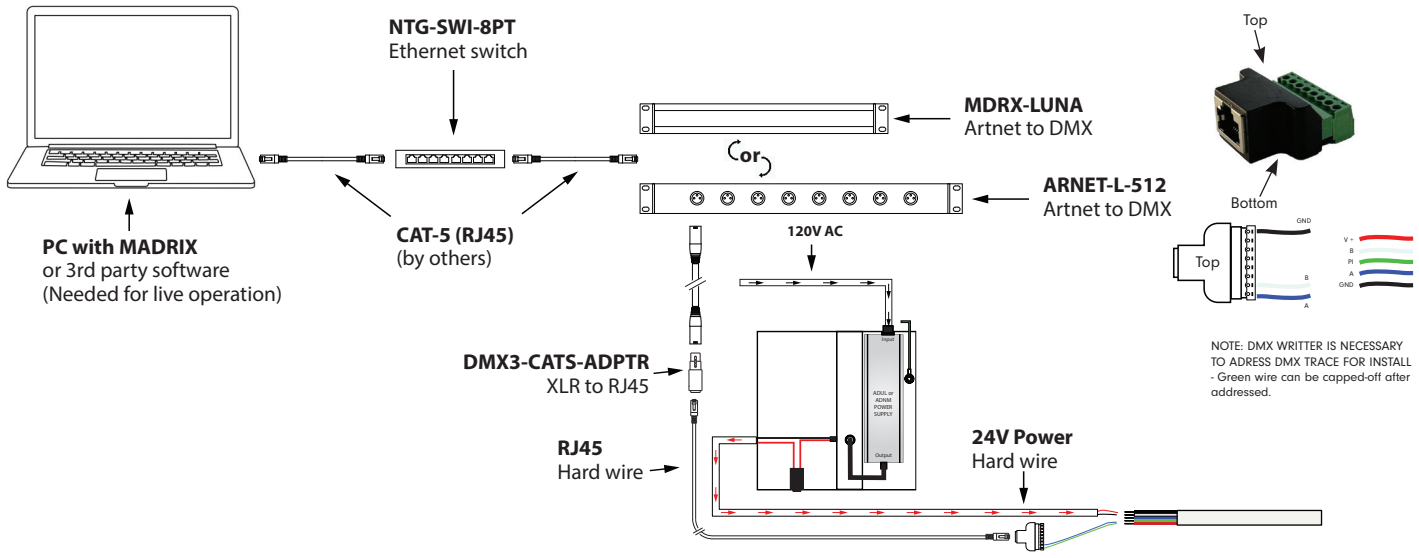
Tivocue Wall Controllers (Default Scenes: White, Red,Green, Blue, Light Blue, Purple, Pink, Dim White, Yellow, Cool Cycle, Warm Cycle, All Cycle, Rainbow Scroll, Blackout)	
TVOQ-REM-COMM-1	Remote DMX commissioning for TIVOCUE 2 and 10 dmx wall controller. Pixel mapping/control is not offered for remote commissioning
TVOQ-ONS-COMM-1	Onsite DMX comissioning for TIVOCUE 2 and 10 dmx wall controller (est. 2 days)
ARTNET-S-8-512 (Default Scenes: White, Red,Green, Blue, Light Blue, Purple, Pink, Dim White, Yellow, Cool Cycle, Warm Cycle, All Cycle, Rainbow Scroll, Blackout)	
ARTNET-S-REM-COMM-8	Remote DMX commissioning for artnet s recorder up to 8 universes. Pixel mapping/control is not offered for remote commissioning
ARTNET-S-ONS-COMM-8	Onsite DMX commissioning for artnet s recorder up to 8 universes (est. 3 days)
MADRIX DMX SYSTEM	
DMX-COMM-2U-MDRX	Onsite commissioning for mardix, up to 2 universes (est. 3 days)
DMX-COMM-8U-MDRX	Onsite commissioning for mardix, up to 8 universes (est. 3 days)
DMX-COMM-16U-MDRX	Onsite commissioning for mardix, up to 16 universes (est. 4 days)
DMX-COMM-24U-MDRX	Onsite commissioning for mardix, up to 24 universes (est. 4 days)
DMX-COMM-32U-MDRX	Onsite commissioning for mardix, up to 32 universes (est. 5 days)
32+ UNIVERSE	Contact factory

Tivoli, LLC. reserves the right to modify this specification without prior notice.

Data Operation & Wiring Diagram Artnet to DMX ON-LINE operation

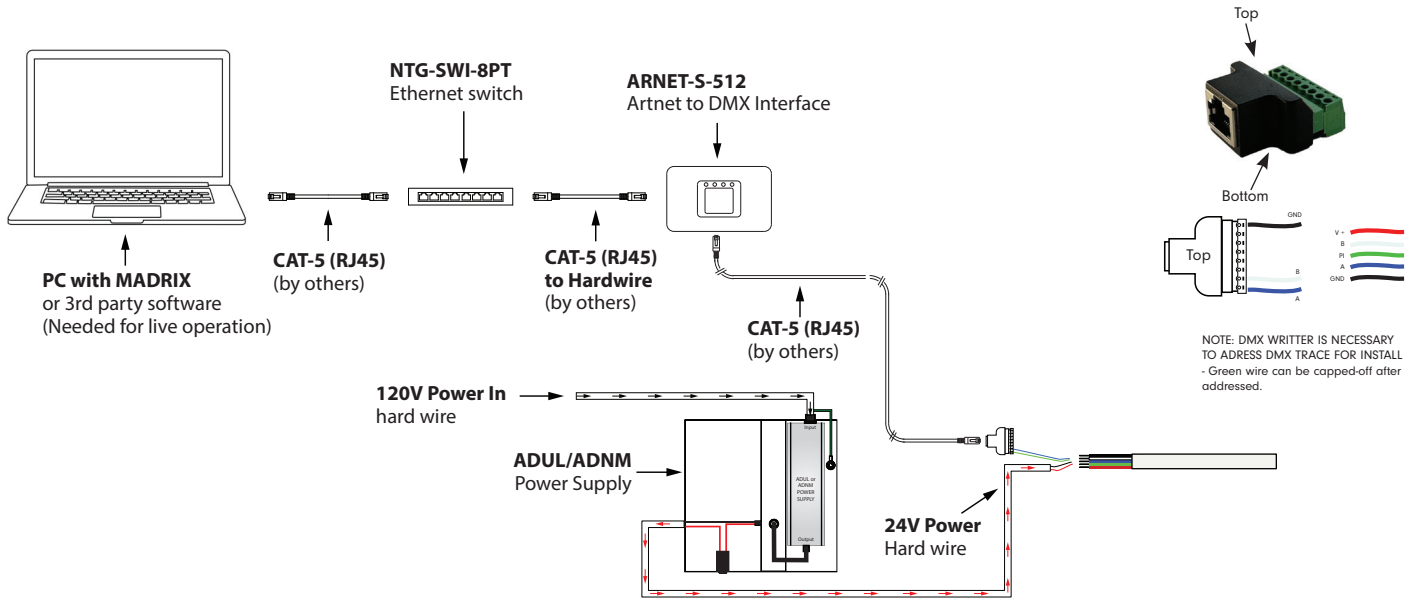
MDRX-LUNA or ARTNET-L (Live)

This is a live control performance setup using the MDRX-LUNA-XX or ARTNET-L-XX-512 interface. Widely used for concerts or performance-based manipulation. Use of a live network is necessary for communication between MADRIX 5 software and Magic Tape.



ARTNET-S (Live)

This is a live control performance setup using the ARTNET-S-512 interface. Widely used for concerts or performance-based manipulation. Use of a live network is necessary for communication between MADRIX 5 software and Magic Tape.

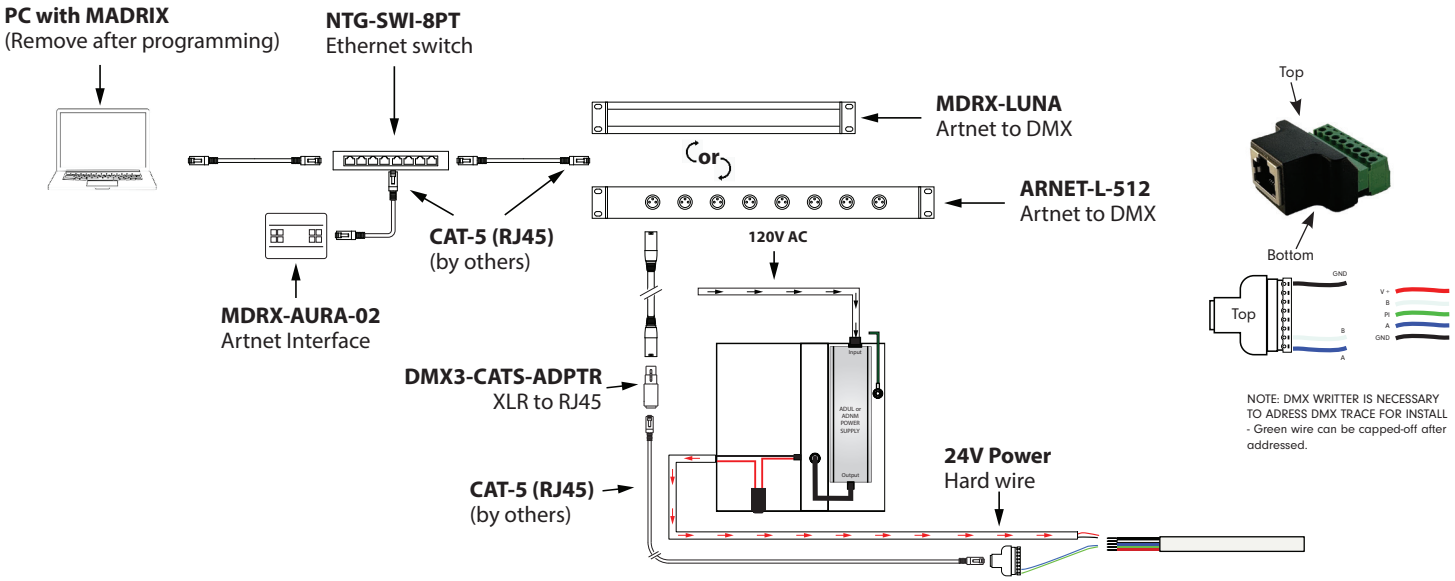


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Data & Wiring Diagram TivoCUE, LUNA or ARTNET-L OFF-LINE operation

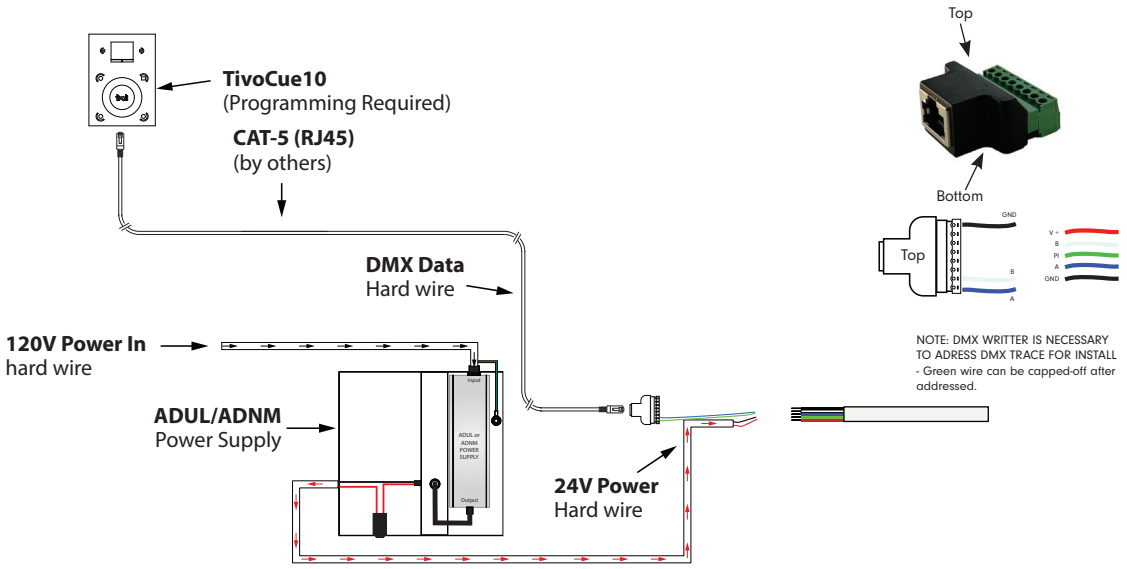
MDRX-LUNA or ARTNET-L (Preset)

A stand-alone system with no need for support via network/software (MADRIX 5). Once scene playback is saved to AURA hardware via lighting software, PC/network can be removed form the system using only the AURA to control playback. Integrate with MDRX-LUNA or ARTNET-L for DMX system. Please refer to the AURA, MDRX-LUNA or ARTNET-L-512 specification for setup and record information.



TivoCUE (Preset)

A stand-alone system with no need for support via network/software (MADRIX 5). Once scene playback is saved to TivoCUE 10/2 hardware via lighting software, PC/network can be removed form the system using only the TivoCUE 10/2 to control playback. Please refer to the TivoCUE 10/2 specification for setup and record information.

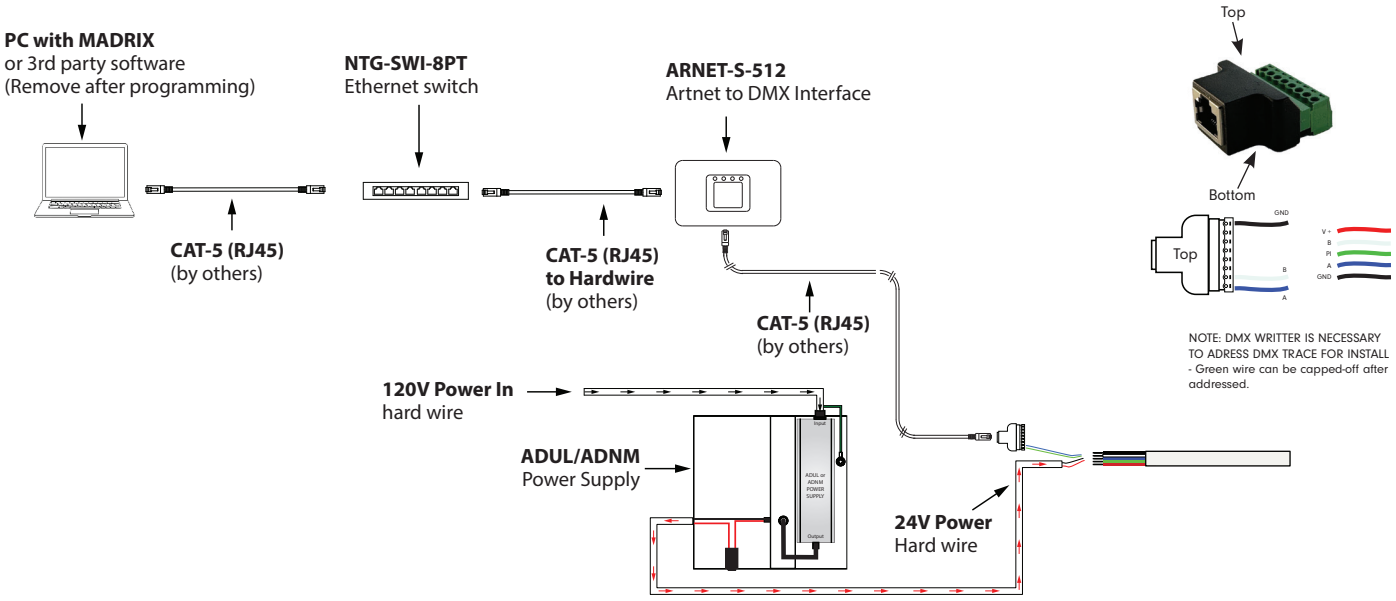


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Data & Wiring Diagram OFF-LINE operation

ARTNET-S (Preset)

A stand-alone system with no need for support via network/software (MADRIX 5). Once scene playback is saved to ARTNET-S-512 hardware via lighting software, PC/network can be removed form the system using only the ARTNET-S-512 hardware to control playback. Please refer to the ARTNET-S-512 specification for setup/record information.



Power Supplies - Indoor / Outdoor

ADNM - NON DIMMING

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	CIRCUIT CAPACITY
ADNM Series Class 2 Transformer	ADNM-90-1-4-24-D	Indoor / Outdoor	100-277V AC 50/60 HZ	24V DC	1	90W	3.75A
	ADNM-120-1-4-24-D				1	96W	4A
	ADNM-240-2-4-24-D				2	2x96W	2x4A
	ADNM-320-3-4-24-D				3	3x96W	3x4A

ADUL - NON DIMMING

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	CIRCUIT CAPACITY
ADUL Series Class 2 Transformer	ADUL-120-1-4-24-D	Indoor or Damp	100-277V AC 50/60 HZ	24V DC	1	96W	4A
	ADUL-240-2-4-24-D				2	2x96W	2x4A
	ADUL-320-3-4-24-D				3	3x96W	3x4A

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www.tivolilighting.com tel: 714-957-6101 fax: 714-427-3458

Warnings - Handling and Care

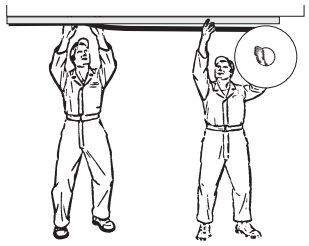
TRACE™ Pixel RGB+W VERTICAL MAY BE EASILY DAMAGED! The reliability of the product can only be ensured if these warnings and cautions are complied with faithfully. Keep these instructions for future maintenance work.

WARNING! Risk of product damage. Longer runs of Trace™ Pixel RGB+W Vertical lighting strands must be installed by at least two people.

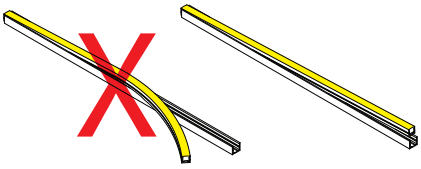
IMPORTANT! The Trace™ Pixel RGB+W Vertical luminaire must not be allowed to bend or hang down. That way, the bending limit will not be inadvertently exceeded, resulting in product damage.

Warning! Risk of product damage. Trace™ Pixel RGB+W Vertical must not be bent at less than 9.45" diameter or damage will result. Do not allow Trace™ Pixel RGB+W Vertical to twist or bend in the wrong direction.

WARNING! Risk of product damage. Insert Trace™ Pixel RGB+W Vertical into channel evenly and gradually to keep twisting and bending to a minimum.



Keep Trace™ Pixel Vertical from twisting or bending in the wrong direction. Two person installation.



TRACE™ Pixel VERTICAL
Do not allow to twist or bend in the wrong direction.

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