tivoli®

TRACE

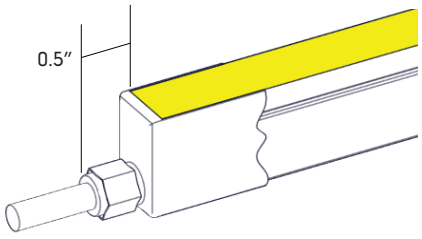
PRO RGB Vertical

Project: _____ Type: _____

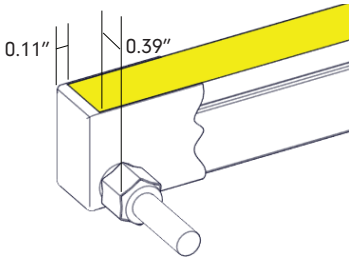
- Vertical bend configuration
- RGB mixing for over 65 million combinations of vivid color
- Constructed using flexible SMD LEDs with zero voltage drop for reliability and uniformity of light
- Factory molded power lead and end cap
- Used to outline structures or applications where traditional glass neon is used
- Low Voltage 24V DC
- Available in Non-Dimming or Dimming version
- Long-life LEDs with tight cutting increments for precise field installation
- UV Stabilized for exterior use with silicone housing (no yellowing or cracking)
- IP67 Rating
- IK10 Rating - protected against up to 20 joules of impact
- 1 Bin, 1.5 step color consistency

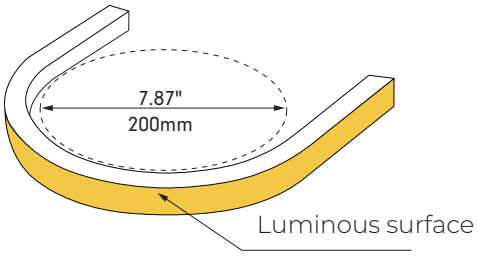
Dimensions

Front Lead

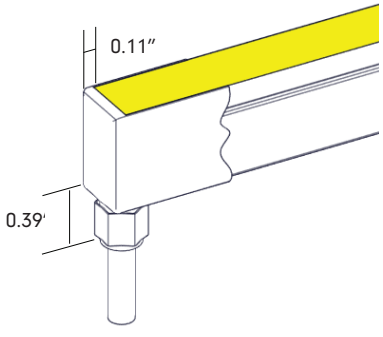


Side Lead

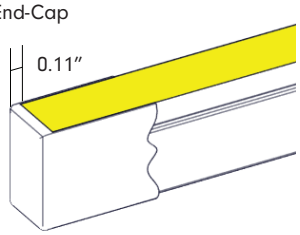


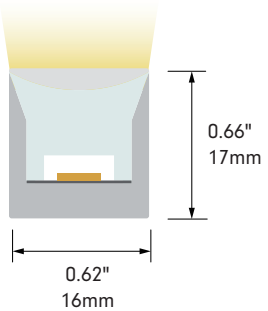


Bottom Lead



End-Cap





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Order Guide

NOTE: Lengths and quantity of each run must be submitted at time of order.
TRACE Pro 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**	**RGB**				**24**	
TRCEPR = Trace Pro	L = Low Output S = Standard Output H = High Output	V = Vertical	RGB = Red, Green, Blue mixing	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

L (Low Output)	Red	Green	Blue	All On
Lumens (lm/ft)	10	50.5	8.6	68.9
Efficacy (lm/W)	22.99	102.78	17.12	48.31
Power Consumption (W/	1.5			
Maximum Run	40'			

S (Standard Output)	Red	Green	Blue	All On
Lumens (lm/ft)	23	88.5	14.8	125.4
Efficacy (lm/W)	23.48	88.59	15.07	42.27
Power Consumption (W/	3.0			
Maximum Run	28'			

H (High Output)	Red	Green	Blue	All On
Lumens (lm/ft)	33.5	111.5	20.2	163.1
Efficacy (lm/W)	22.98	80.25	13.61	37.71
Power Consumption (W/	4.5			
Maximum Run	19'			

Overall Specifications

Physical	
LEDs	5050
Nm Range	Red (615-625), Green (520 - 530), Blue (460-470)
Beam Angle	115.8°
Dimensions	0.62" (16mm) x 0.66" (17mm)
Cutting Increments	3"
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	
Dimming	DMX
Input Voltage	24V DC
Certification and Testing	
Certification	cULus, IK10
Rated Life L70/hrs	54,000
Environment	Wet Location
IP Rating	IP67
Warranty	5 Years

- 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%

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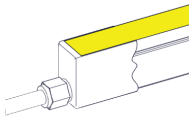
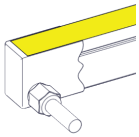
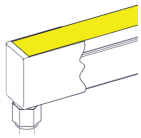
Molded End-Prep Example



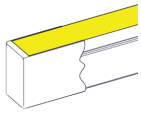
FRONT (F1,F2)
Front Lead Entry
10' Power Lead Cable with End Cap



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

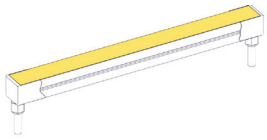


BOTTOM (B1, B2)
Bottom Lead Entry
10' Power Lead Cable with End Cap

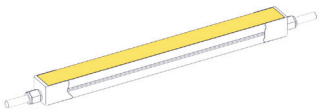


END CAP (E)
End Cap (No Lead)
1 pc End Cap

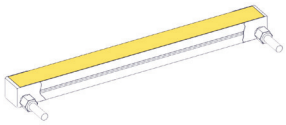
Molded Power Lead Configurations



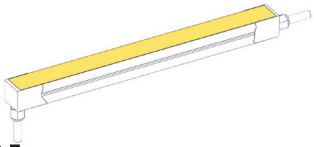
B-B
Left Facing Bottom Lead
Right Facing Bottom Lead



F-F
Left Facing Front Lead
Right Facing Front Lead

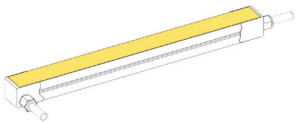


S-S
Left Facing Side Lead
Right Facing Side Lead

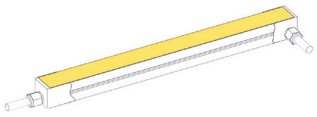


B-F
Left Facing Bottom Lead
Right Facing Front Lead

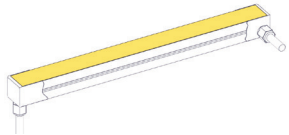
F-B
Left Facing Front Lead
Right Facing Bottom Lead



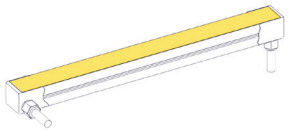
S-F
Left Facing Side Lead
Right Facing Front Lead



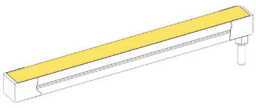
F-S
Left Facing Front Lead
Right Facing Side Lead



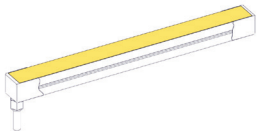
B-S
Left Facing Bottom Lead
Right Facing Side Lead



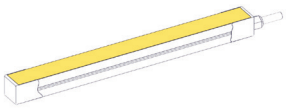
S-B
Left Facing Side Lead
Right Facing Bottom Lead



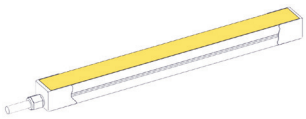
E-B
Left End Cap Lead
Right Facing Bottom Lead



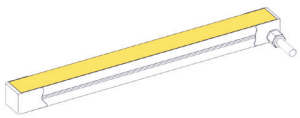
B-E
Left Facing Bottom Lead
Right End Cap



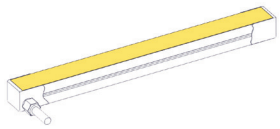
E-F
Left End Cap Lead
Right Facing Front Lead



F-E
Left Facing Front Lead
Right End Cap



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



S-E
Left Facing Side Lead
Right Facing End Cap

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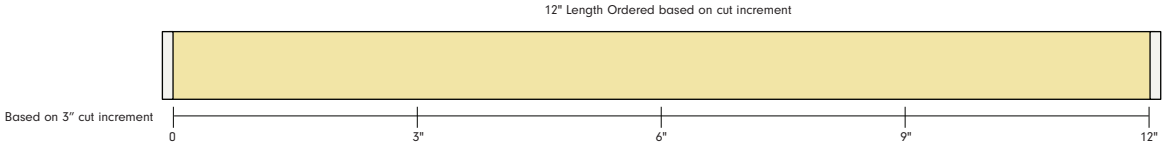
Length Order Guide (Front - Front)

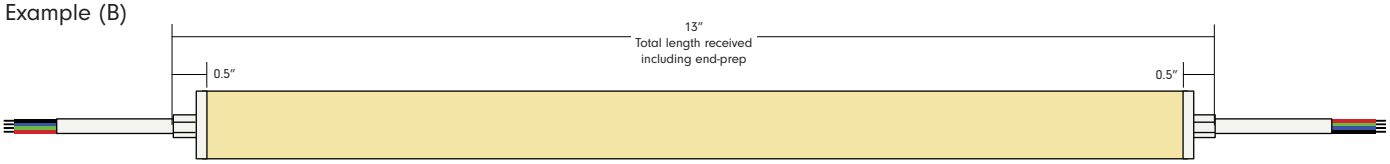
Note: Use "**Cut Increment**" number for order enty information (see chart below)

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
004	13	1.08	1.50	3.00	4.50	1
005	16	1.33	1.88	3.75	5.63	
006	19	1.58	2.25	4.50	6.75	
007	22	1.83	2.63	5.25	7.88	
008	25	2.08	3.00	6.00	9.00	2
009	28	2.33	3.38	6.75	10.13	
010	31	2.58	3.75	7.50	11.25	
011	34	2.83	4.13	8.25	12.38	
012	37	3.08	4.50	9.00	13.50	3
013	40	3.33	4.88	9.75	14.63	
014	43	3.58	5.25	10.50	15.75	
015	46	3.83	5.63	11.25	16.88	
016	49	4.08	6.00	12.00	18.00	4
017	52	4.33	6.38	12.75	19.13	
018	55	4.58	6.75	13.50	20.25	
019	58	4.83	7.13	14.25	21.38	
020	61	5.08	7.50	15.00	22.50	5
021	64	5.33	7.88	15.75	23.63	
022	67	5.58	8.25	16.50	24.75	
023	70	5.83	8.63	17.25	25.88	
024	73	6.08	9.00	18.00	27.00	6
025	76	6.33	9.38	18.75	28.13	
026	79	6.58	9.75	19.50	29.25	
027	82	6.83	10.13	20.25	30.38	
028	85	7.08	10.50	21.00	31.50	7
029	88	7.33	10.88	21.75	32.63	
030	91	7.58	11.25	22.50	33.75	
031	94	7.83	11.63	23.25	34.88	
032	97	8.08	12.00	24.00	36.00	8
033	100	8.33	12.38	24.75	37.13	
034	103	8.58	12.75	25.50	38.25	
035	106	8.83	13.13	26.25	39.38	
036	109	9.08	13.50	27.00	40.50	9
037	112	9.33	13.88	27.75	41.63	
038	115	9.58	14.25	28.50	42.75	
039	118	9.83	14.63	29.25	43.88	
040	121	10.08	15.00	30.00	45.00	10
041	124	10.33	15.38	30.75	46.13	
042	127	10.58	15.75	31.50	47.25	
043	130	10.83	16.13	32.25	48.38	
044	133	11.08	16.50	33.00	49.50	11
045	136	11.33	16.88	33.75	50.63	
046	139	11.58	17.25	34.50	51.75	
047	142	11.83	17.63	35.25	52.88	
048	145	12.08	18.00	36.00	54.00	12
049	148	12.33	18.38	36.75	55.13	
050	151	12.58	18.75	37.50	56.25	
051	154	12.83	19.13	38.25	57.38	
052	157	13.08	19.50	39.00	58.50	13
053	160	13.33	19.88	39.75	59.63	
054	163	13.58	20.25	40.50	60.75	
055	166	13.83	20.63	41.25	61.88	
056	169	14.08	21.00	42.00	63.00	14
057	172	14.33	21.38	42.75	64.13	
058	175	14.58	21.75	43.50	65.25	
059	178	14.83	22.13	44.25	66.38	
060	181	15.08	22.50	45.00	67.50	15
061	184	15.33	22.88	45.75	68.63	
062	187	15.58	23.25	46.50	69.75	
063	190	15.83	23.63	47.25	70.88	
064	193	16.08	24.00	48.00	72.00	16
065	196	16.33	24.38	48.75	73.13	
066	199	16.58	24.75	49.50	74.25	
067	202	16.83	25.13	50.25	75.38	
068	205	17.08	25.50	51.00	76.50	17
069	208	17.33	25.88	51.75	77.63	
070	211	17.58	26.25	52.50	78.75	
071	214	17.83	26.63	53.25	79.88	
072	217	18.08	27.00	54.00	81.00	18
073	220	18.33	27.38	54.75	82.13	
074	223	18.58	27.75	55.50	83.25	
075	226	18.83	28.13	56.25	84.38	
076	229	19.08	28.50	57.00	85.50	19
077	232	19.33	28.88	57.75	X	
078	235	19.58	29.25	58.50	X	
079	238	19.83	29.63	59.25	X	
080	241	20.08	30.00	60.00	X	20
081	244	20.33	30.38	60.75	X	
082	247	20.58	30.75	61.50	X	
083	250	20.83	31.13	62.25	X	
084	253	21.08	31.50	63.00	X	21
085	256	21.33	31.88	63.75	X	
086	259	21.58	32.25	64.50	X	
087	262	21.83	32.63	65.25	X	
088	265	22.08	33.00	66.00	X	22
089	268	22.33	33.38	66.75	X	
090	271	22.58	33.75	67.50	X	
091	274	22.83	34.13	68.25	X	
092	277	23.08	34.50	69.00	X	23
093	280	23.33	34.88	69.75	X	
094	283	23.58	35.25	70.50	X	
095	286	23.83	35.63	71.25	X	
096	289	24.08	36.00	72.00	X	24
097	292	24.33	36.38	72.75	X	
098	295	24.58	36.75	73.50	X	
099	298	24.83	37.13	74.25	X	
100	301	25.08	37.50	75.00	X	25
101	304	25.33	37.88	75.75	X	
102	307	25.58	38.25	76.50	X	
103	310	25.83	38.63	77.25	X	
104	313	26.08	39.00	78.00	X	26
105	316	26.33	39.38	78.75	X	
106	319	26.58	39.75	79.50	X	
107	322	26.83	40.13	80.25	X	
108	325	27.08	40.50	81.00	X	27
109	328	27.33	40.88	81.75	X	
110	331	27.58	41.25	82.50	X	
111	334	27.83	41.63	83.25	X	
112	337	28.08	42.00	84.00	X	28
113	340	28.33	42.38	X	X	
114	343	28.58	42.75	X	X	
115	346	28.83	43.13	X	X	
116	349	29.08	43.50	X	X	29
117	352	29.33	43.88	X	X	

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Length Order Guide (Front - Front)

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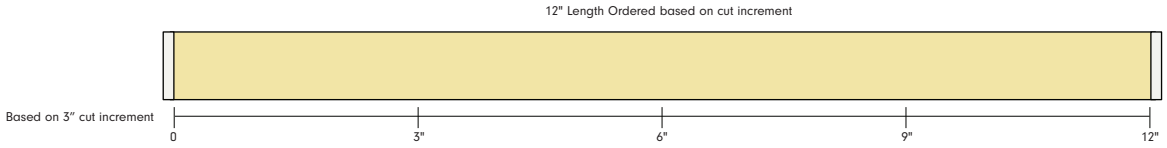
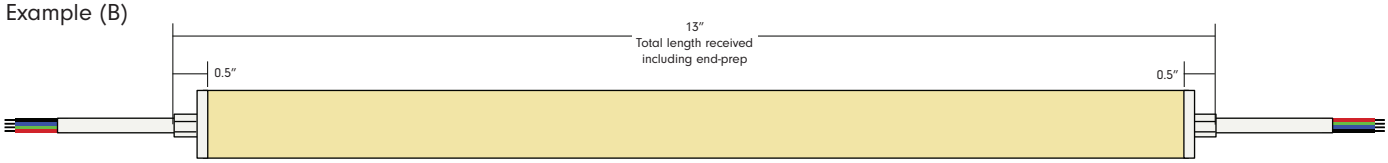
Example (A)



Example (B)



CUT INCREMENT	ACTUAL INCH	ACTUAL FOOT	WATTS 1.5W	WATTS 3.0W	WATTS 4.5W	NOMINAL LENGTH
118	355	29.58	44.25	X	X	
119	358	29.83	44.63	X	X	
120	361	30.08	45.00	X	X	30
121	364	30.33	45.38	X	X	
122	367	30.58	45.75	X	X	
123	370	30.83	46.13	X	X	
124	373	31.08	46.50	X	X	31
125	376	31.33	46.88	X	X	
126	379	31.58	47.25	X	X	
127	382	31.83	47.63	X	X	
128	385	32.08	48.00	X	X	32
129	388	32.33	48.38	X	X	
130	391	32.58	48.75	X	X	
131	394	32.83	49.13	X	X	
132	397	33.08	49.50	X	X	33
133	400	33.33	49.88	X	X	
134	403	33.58	50.25	X	X	
135	406	33.83	50.63	X	X	
136	409	34.08	51.00	X	X	34
137	412	34.33	51.38	X	X	
138	415	34.58	51.75	X	X	
139	418	34.83	52.13	X	X	
140	421	35.08	52.50	X	X	35
141	424	35.33	52.88	X	X	
142	427	35.58	53.25	X	X	
143	430	35.83	53.63	X	X	
144	433	36.08	54.00	X	X	36
145	436	36.33	54.38	X	X	
146	439	36.58	54.75	X	X	
147	442	36.83	55.13	X	X	
148	445	37.08	55.50	X	X	37
149	448	37.33	55.88	X	X	
150	451	37.58	56.25	X	X	
151	454	37.83	56.63	X	X	
152	457	38.08	57.00	X	X	38
153	460	38.33	57.38	X	X	
154	463	38.58	57.75	X	X	
155	466	38.83	58.13	X	X	

CUT INCREMENT	ACTUAL INCH	ACTUAL FOOT	WATTS 1.5W	WATTS 3.0W	WATTS 4.5W	NOMINAL LENGTH
156	469	39.08	58.50	X	X	39
157	472	39.33	58.88	X	X	
158	475	39.58	59.25	X	X	
159	478	39.83	59.63	X	X	
160	481	40.08	60.00	X	X	40

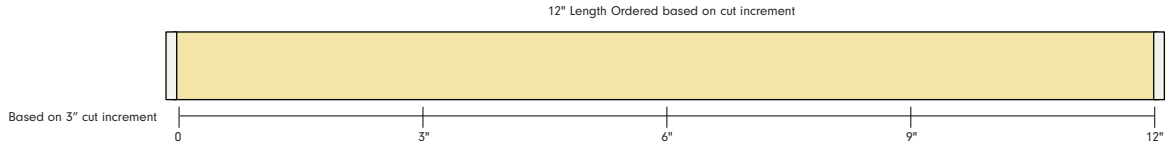
Tivoli, LLC. reserves the right to modify this specification without prior notice.

Length Order Guide (Front - End Cap)

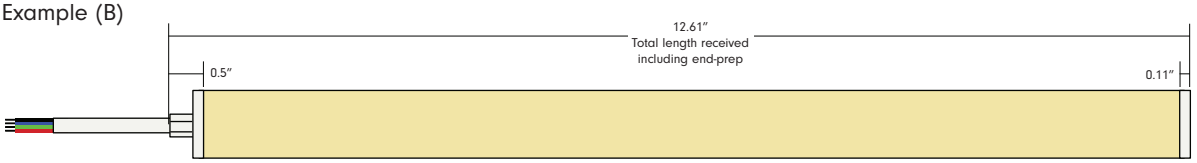
Note: Use "**Cut Increment**" number for order enty information (see chart below)

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
004	12.61	1.05	1.50	3.00	4.50	1
005	15.61	1.30	1.88	3.75	5.63	
006	18.61	1.55	2.25	4.50	6.75	
007	21.61	1.80	2.63	5.25	7.88	
008	24.61	2.05	3.00	6.00	9.00	2
009	27.61	2.30	3.38	6.75	10.13	
010	30.61	2.55	3.75	7.50	11.25	
011	33.61	2.80	4.13	8.25	12.38	
012	36.61	3.05	4.50	9.00	13.50	3
013	39.61	3.30	4.88	9.75	14.63	
014	42.61	3.55	5.25	10.50	15.75	
015	45.61	3.80	5.63	11.25	16.88	
016	48.61	4.05	6.00	12.00	18.00	4
017	51.61	4.30	6.38	12.75	19.13	
018	54.61	4.55	6.75	13.50	20.25	
019	57.61	4.80	7.13	14.25	21.38	
020	60.61	5.05	7.50	15.00	22.50	5
021	63.61	5.30	7.88	15.75	23.63	
022	66.61	5.55	8.25	16.50	24.75	
023	69.61	5.80	8.63	17.25	25.88	
024	72.61	6.05	9.00	18.00	27.00	6
025	75.61	6.30	9.38	18.75	28.13	
026	78.61	6.55	9.75	19.50	29.25	
027	81.61	6.80	10.13	20.25	30.38	
028	84.61	7.05	10.50	21.00	31.50	7
029	87.61	7.30	10.88	21.75	32.63	
030	90.61	7.55	11.25	22.50	33.75	
031	93.61	7.80	11.63	23.25	34.88	
032	96.61	8.05	12.00	24.00	36.00	8
033	99.61	8.30	12.38	24.75	37.13	
034	102.61	8.55	12.75	25.50	38.25	
035	105.61	8.80	13.13	26.25	39.38	
036	108.61	9.05	13.50	27.00	40.50	9
037	111.61	9.30	13.88	27.75	41.63	
038	114.61	9.55	14.25	28.50	42.75	
039	117.61	9.80	14.63	29.25	43.88	
040	120.61	10.05	15.00	30.00	45.00	10
041	123.61	10.30	15.38	30.75	46.13	
042	126.61	10.55	15.75	31.50	47.25	
043	129.61	10.80	16.13	32.25	48.38	
044	132.61	11.05	16.50	33.00	49.50	11
045	135.61	11.30	16.88	33.75	50.63	
046	138.61	11.55	17.25	34.50	51.75	
047	141.61	11.80	17.63	35.25	52.88	
048	144.61	12.05	18.00	36.00	54.00	12
049	147.61	12.30	18.38	36.75	55.13	
050	150.61	12.55	18.75	37.50	56.25	
051	153.61	12.80	19.13	38.25	57.38	
052	156.61	13.05	19.50	39.00	58.50	13
053	159.61	13.30	19.88	39.75	59.63	
054	162.61	13.55	20.25	40.50	60.75	
055	165.61	13.80	20.63	41.25	61.88	
056	168.61	14.05	21.00	42.00	63.00	14
057	171.61	14.30	21.38	42.75	64.13	
058	174.61	14.55	21.75	43.50	65.25	
059	177.61	14.80	22.13	44.25	66.38	
060	180.61	15.05	22.50	45.00	67.50	15
061	183.61	15.30	22.88	45.75	68.63	
062	186.61	15.55	23.25	46.50	69.75	
063	189.61	15.80	23.63	47.25	70.88	
064	192.61	16.05	24.00	48.00	72.00	16
065	195.61	16.30	24.38	48.75	73.13	
066	198.61	16.55	24.75	49.50	74.25	
067	201.61	16.80	25.13	50.25	75.38	
068	204.61	17.05	25.50	51.00	76.50	17
069	207.61	17.30	25.88	51.75	77.63	
070	210.61	17.55	26.25	52.50	78.75	
071	213.61	17.80	26.63	53.25	79.88	
072	216.61	18.05	27.00	54.00	81.00	18
073	219.61	18.30	27.38	54.75	82.13	
074	222.61	18.55	27.75	55.50	83.25	
075	225.61	18.80	28.13	56.25	84.38	
076	228.61	19.05	28.50	57.00	85.50	19
077	231.61	19.30	28.88	57.75	X	
078	234.61	19.55	29.25	58.50	X	
079	237.61	19.80	29.63	59.25	X	
080	240.61	20.05	30.00	60.00	X	20
081	243.61	20.30	30.38	60.75	X	
082	246.61	20.55	30.75	61.50	X	
083	249.61	20.80	31.13	62.25	X	
084	252.61	21.05	31.50	63.00	X	21
085	255.61	21.30	31.88	63.75	X	
086	258.61	21.55	32.25	64.50	X	
087	261.61	21.80	32.63	65.25	X	
088	264.61	22.05	33.00	66.00	X	22
089	267.61	22.30	33.38	66.75	X	
090	270.61	22.55	33.75	67.50	X	
091	273.61	22.80	34.13	68.25	X	
092	276.61	23.05	34.50	69.00	X	23
093	279.61	23.30	34.88	69.75	X	
094	282.61	23.55	35.25	70.50	X	
095	285.61	23.80	35.63	71.25	X	
096	288.61	24.05	36.00	72.00	X	24
097	291.61	24.30	36.38	72.75	X	
098	294.61	24.55	36.75	73.50	X	
099	297.61	24.80	37.13	74.25	X	
100	300.61	25.05	37.50	75.00	X	25
101	303.61	25.30	37.88	75.75	X	
102	306.61	25.55	38.25	76.50	X	
103	309.61	25.80	38.63	77.25	X	
104	312.61	26.05	39.00	78.00	X	26
105	315.61	26.30	39.38	78.75	X	
106	318.61	26.55	39.75	79.50	X	
107	321.61	26.80	40.13	80.25	X	
108	324.61	27.05	40.50	81.00	X	27
109	327.61	27.30	40.88	81.75	X	
110	330.61	27.55	41.25	82.50	X	
111	333.61	27.80	41.63	83.25	X	
112	336.61	28.05	42.00	84.00	X	28
113	339.61	28.30	42.38	X	X	
114	342.61	28.55	42.75	X	X	
115	345.61	28.80	43.13	X	X	
116	348.61	29.05	43.50	X	X	29
117	351.61	29.30	43.88	X	X	

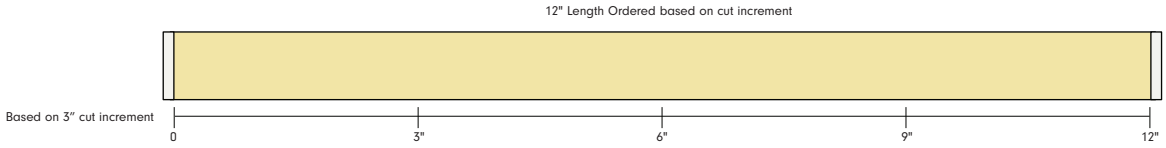
Tivoli, LLC. reserves the right to modify this specification without prior notice.

Length Order Guide (Front - End Cap)

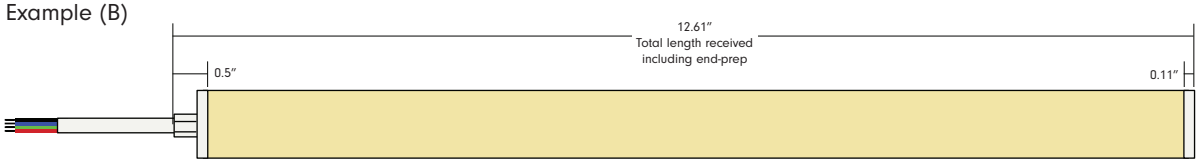
Note: Use "**Cut Increment**" number for order enty information (see chart below)

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
118	354.61	29.55	44.25	X	X	
119	357.61	29.80	44.63	X	X	
120	360.61	30.05	45.00	X	X	30
121	363.61	30.30	45.38	X	X	
122	366.61	30.55	45.75	X	X	
123	369.61	30.80	46.13	X	X	
124	372.61	31.05	46.50	X	X	31
125	375.61	31.30	46.88	X	X	
126	378.61	31.55	47.25	X	X	
127	381.61	31.80	47.63	X	X	
128	384.61	32.05	48.00	X	X	32
129	387.61	32.30	48.38	X	X	
130	390.61	32.55	48.75	X	X	
131	393.61	32.80	49.13	X	X	
132	396.61	33.05	49.50	X	X	33
133	399.61	33.30	49.88	X	X	
134	402.61	33.55	50.25	X	X	
135	405.61	33.80	50.63	X	X	
136	408.61	34.05	51.00	X	X	34
137	411.61	34.30	51.38	X	X	
138	414.61	34.55	51.75	X	X	
139	417.61	34.80	52.13	X	X	
140	420.61	35.05	52.50	X	X	35
141	423.61	35.30	52.88	X	X	
142	426.61	35.55	53.25	X	X	
143	429.61	35.80	53.63	X	X	
144	432.61	36.05	54.00	X	X	36
145	435.61	36.30	54.38	X	X	
146	438.61	36.55	54.75	X	X	
147	441.61	36.80	55.13	X	X	
148	444.61	37.05	55.50	X	X	37
149	447.61	37.30	55.88	X	X	
150	450.61	37.55	56.25	X	X	
151	453.61	37.80	56.63	X	X	
152	456.61	38.05	57.00	X	X	38
153	459.61	38.30	57.38	X	X	
154	462.61	38.55	57.75	X	X	
155	465.61	38.80	58.13	X	X	

CUT INCREMENT	ACTUAL INCH	ACTUAL FOOT	WATTS 1.5W	WATTS 3.0W	WATTS 4.5W	NOMINAL LENGTH
156	468.61	39.05	58.50	X	X	39
157	471.61	39.30	58.88	X	X	
158	474.61	39.55	59.25	X	X	
159	477.61	39.80	59.63	X	X	
160	480.61	40.05	60.00	X	X	40

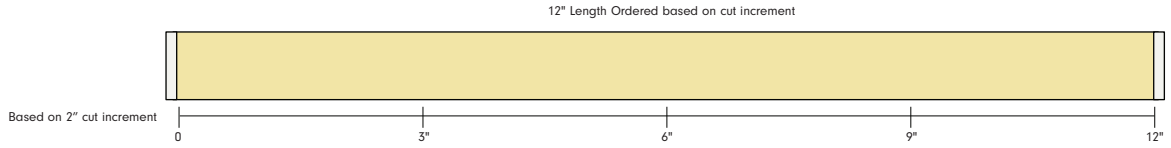
Tivoli, LLC. reserves the right to modify this specification without prior notice.

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

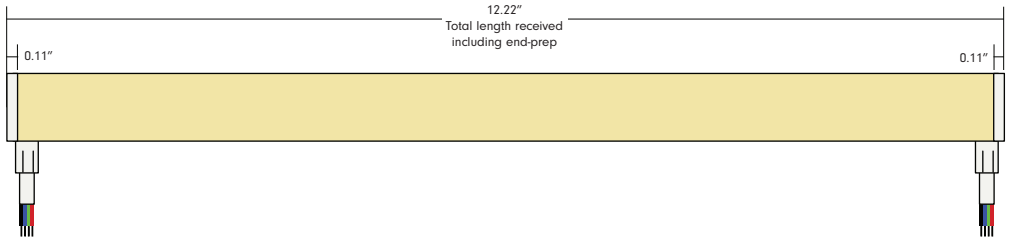
Note: Use "**Cut Increment**" number for order enty information (see chart below)

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
004	12.22	1.02	1.50	3.00	4.50	1
005	15.22	1.27	1.88	3.75	5.63	
006	18.22	1.52	2.25	4.50	6.75	
007	21.22	1.77	2.63	5.25	7.88	
008	24.22	2.02	3.00	6.00	9.00	2
009	27.22	2.27	3.38	6.75	10.13	
010	30.22	2.52	3.75	7.50	11.25	
011	33.22	2.77	4.13	8.25	12.38	
012	36.22	3.02	4.50	9.00	13.50	3
013	39.22	3.27	4.88	9.75	14.63	
014	42.22	3.52	5.25	10.50	15.75	
015	45.22	3.77	5.63	11.25	16.88	
016	48.22	4.02	6.00	12.00	18.00	4
017	51.22	4.27	6.38	12.75	19.13	
018	54.22	4.52	6.75	13.50	20.25	
019	57.22	4.77	7.13	14.25	21.38	
020	60.22	5.02	7.50	15.00	22.50	5
021	63.22	5.27	7.88	15.75	23.63	
022	66.22	5.52	8.25	16.50	24.75	
023	69.22	5.77	8.63	17.25	25.88	
024	72.22	6.02	9.00	18.00	27.00	6
025	75.22	6.27	9.38	18.75	28.13	
026	78.22	6.52	9.75	19.50	29.25	
027	81.22	6.77	10.13	20.25	30.38	
028	84.22	7.02	10.50	21.00	31.50	7
029	87.22	7.27	10.88	21.75	32.63	
030	90.22	7.52	11.25	22.50	33.75	
031	93.22	7.77	11.63	23.25	34.88	
032	96.22	8.02	12.00	24.00	36.00	8
033	99.22	8.27	12.38	24.75	37.13	
034	102.22	8.52	12.75	25.50	38.25	
035	105.22	8.77	13.13	26.25	39.38	
036	108.22	9.02	13.50	27.00	40.50	9
037	111.22	9.27	13.88	27.75	41.63	
038	114.22	9.52	14.25	28.50	42.75	
039	117.22	9.77	14.63	29.25	43.88	
040	120.22	10.02	15.00	30.00	45.00	10
041	123.22	10.27	15.38	30.75	46.13	
042	126.22	10.52	15.75	31.50	47.25	
043	129.22	10.77	16.13	32.25	48.38	
044	132.22	11.02	16.50	33.00	49.50	11
045	135.22	11.27	16.88	33.75	50.63	
046	138.22	11.52	17.25	34.50	51.75	
047	141.22	11.77	17.63	35.25	52.88	
048	144.22	12.02	18.00	36.00	54.00	12
049	147.22	12.27	18.38	36.75	55.13	
050	150.22	12.52	18.75	37.50	56.25	
051	153.22	12.77	19.13	38.25	57.38	
052	156.22	13.02	19.50	39.00	58.50	13
053	159.22	13.27	19.88	39.75	59.63	
054	162.22	13.52	20.25	40.50	60.75	
055	165.22	13.77	20.63	41.25	61.88	
056	168.22	14.02	21.00	42.00	63.00	14
057	171.22	14.27	21.38	42.75	64.13	
058	174.22	14.52	21.75	43.50	65.25	
059	177.22	14.77	22.13	44.25	66.38	
060	180.22	15.02	22.50	45.00	67.50	15
061	183.22	15.27	22.88	45.75	68.63	
062	186.22	15.52	23.25	46.50	69.75	
063	189.22	15.77	23.63	47.25	70.88	
064	192.22	16.02	24.00	48.00	72.00	16
065	195.22	16.27	24.38	48.75	73.13	
066	198.22	16.52	24.75	49.50	74.25	
067	201.22	16.77	25.13	50.25	75.38	
068	204.22	17.02	25.50	51.00	76.50	17
069	207.22	17.27	25.88	51.75	77.63	
070	210.22	17.52	26.25	52.50	78.75	
071	213.22	17.77	26.63	53.25	79.88	
072	216.22	18.02	27.00	54.00	81.00	18
073	219.22	18.27	27.38	54.75	82.13	
074	222.22	18.52	27.75	55.50	83.25	
075	225.22	18.77	28.13	56.25	84.38	
076	228.22	19.02	28.50	57.00	85.50	19
077	231.22	19.27	28.88	57.75	X	
078	234.22	19.52	29.25	58.50	X	
079	237.22	19.77	29.63	59.25	X	
080	240.22	20.02	30.00	60.00	X	20
081	243.22	20.27	30.38	60.75	X	
082	246.22	20.52	30.75	61.50	X	
083	249.22	20.77	31.13	62.25	X	
084	252.22	21.02	31.50	63.00	X	21
085	255.22	21.27	31.88	63.75	X	
086	258.22	21.52	32.25	64.50	X	
087	261.22	21.77	32.63	65.25	X	
088	264.22	22.02	33.00	66.00	X	22
089	267.22	22.27	33.38	66.75	X	
090	270.22	22.52	33.75	67.50	X	
091	273.22	22.77	34.13	68.25	X	
092	276.22	23.02	34.50	69.00	X	23
093	279.22	23.27	34.88	69.75	X	
094	282.22	23.52	35.25	70.50	X	
095	285.22	23.77	35.63	71.25	X	
096	288.22	24.02	36.00	72.00	X	24
097	291.22	24.27	36.38	72.75	X	
098	294.22	24.52	36.75	73.50	X	
099	297.22	24.77	37.13	74.25	X	
100	300.22	25.02	37.50	75.00	X	25
101	303.22	25.27	37.88	75.75	X	
102	306.22	25.52	38.25	76.50	X	
103	309.22	25.77	38.63	77.25	X	
104	312.22	26.02	39.00	78.00	X	26
105	315.22	26.27	39.38	78.75	X	
106	318.22	26.52	39.75	79.50	X	
107	321.22	26.77	40.13	80.25	X	
108	324.22	27.02	40.50	81.00	X	27
109	327.22	27.27	40.88	81.75	X	
110	330.22	27.52	41.25	82.50	X	
111	333.22	27.77	41.63	83.25	X	
112	336.22	28.02	42.00	84.00	X	28
113	339.22	28.27	42.38	X	X	
114	342.22	28.52	42.75	X	X	
115	345.22	28.77	43.13	X	X	
116	348.22	29.02	43.50	X	X	29
117	351.22	29.27	43.88	X	X	

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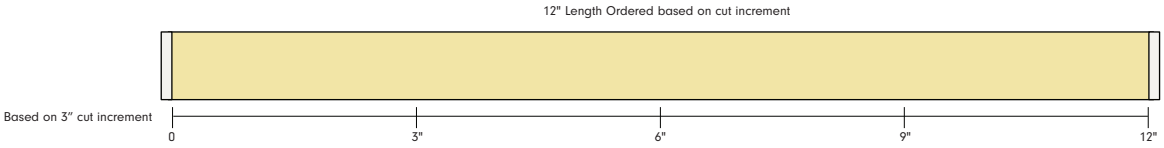
Length Order Guide (Bottom/Side/End Cap - Bottom/Side/End Cap)

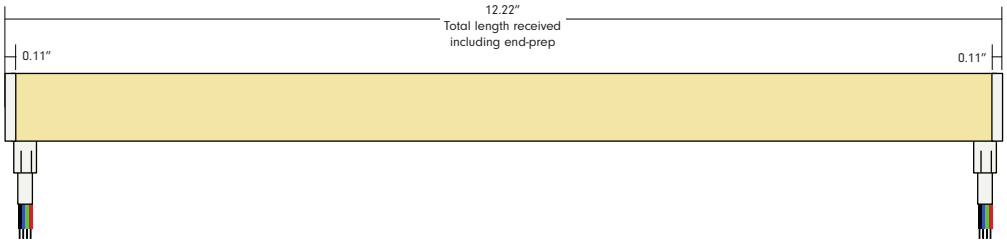
Note: Use "**Cut Increment**" number for order enty information (see chart below)

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
118	354.22	29.52	44.25	X	X	
119	357.22	29.77	44.63	X	X	
120	360.22	30.02	45.00	X	X	30
121	363.22	30.27	45.38	X	X	
122	366.22	30.52	45.75	X	X	
123	369.22	30.77	46.13	X	X	
124	372.22	31.02	46.50	X	X	31
125	375.22	31.27	46.88	X	X	
126	378.22	31.52	47.25	X	X	
127	381.22	31.77	47.63	X	X	
128	384.22	32.02	48.00	X	X	32
129	387.22	32.27	48.38	X	X	
130	390.22	32.52	48.75	X	X	
131	393.22	32.77	49.13	X	X	
132	396.22	33.02	49.50	X	X	33
133	399.22	33.27	49.88	X	X	
134	402.22	33.52	50.25	X	X	
135	405.22	33.77	50.63	X	X	
136	408.22	34.02	51.00	X	X	34
137	411.22	34.27	51.38	X	X	
138	414.22	34.52	51.75	X	X	
139	417.22	34.77	52.13	X	X	
140	420.22	35.02	52.50	X	X	35
141	423.22	35.27	52.88	X	X	
142	426.22	35.52	53.25	X	X	
143	429.22	35.77	53.63	X	X	
144	432.22	36.02	54.00	X	X	36
145	435.22	36.27	54.38	X	X	
146	438.22	36.52	54.75	X	X	
147	441.22	36.77	55.13	X	X	
148	444.22	37.02	55.50	X	X	37
149	447.22	37.27	55.88	X	X	
150	450.22	37.52	56.25	X	X	
151	453.22	37.77	56.63	X	X	
152	456.22	38.02	57.00	X	X	38
153	459.22	38.27	57.38	X	X	
154	462.22	38.52	57.75	X	X	
155	465.22	38.77	58.13	X	X	

CUT INCREMENT	ACTUAL INCH	ACTUAL FOOT	WATTS 1.5W	WATTS 3.0W	WATTS 4.5W	NOMINAL LENGTH
156	468.22	39.02	58.50	X	X	39
157	471.22	39.27	58.88	X	X	
158	474.22	39.52	59.25	X	X	
159	477.22	39.77	59.63	X	X	
160	480.22	40.02	60.00	X	X	40

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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)

MDRX-NBLA-08
Up to 8 universes. SPI decoder receives control over ethernet network or USB delivering zero lag to your fixture

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

Accessories Power & Data

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

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

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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

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Power Supplies - Indoor

ADUL - DMX SINGLE ADDRESS

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

ADUL - DMX MULTI ADDRESS

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	CIRCUIT CAPACITY
ADUL Series Class 2 Transformer	ADUL-240-2-4-24-DIN-2	Indoor / Damp	100-277V AC 5o/60 Hz	24V DC	2	2x96W	2x4A
	ADUL-320-3-4-24-DIN-3				3	3x96W	3x4A

Power Supplies - Outdoor

ADNM - DMX SINGLE ADDRESS

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	CIRCUIT CAPACITY
ADNM Series Class 2 Transformer	ADNM-90-1-4-24-DIN	Indoor / Outdoor	100-277V AC 5o/60 Hz	24V DC	1	90W	3.75A
	ADNM-120-1-4-24-DIN				1	96W	4A
	ADNM-240-2-4-24-DIN				2	2x96W	2x4A
	ADNM-320-3-4-24-DIN				3	3x96W	3x4A

ADNM - DMX MULTI ADDRESS

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	CIRCUIT CAPACITY
ADNM Series Class 2 Transformer	ADNM-240-2-4-24-DIN-2	Indoor / Outdoor	100-277V AC 5o/60 Hz	24V DC	2	2x96W	2x4A
	ADNM-320-3-4-24-DIN-3				3	3x96W	3x4A

ADNM - DMX/DALI FLICKER-FREE FOR TV STUDIO RGB/RGBW

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

DMX Sub-Controller

DESCRIPTION	CAT NO	MODES	WATTAGE	PRIMARY VOLTAGE	DIMENSION
DMX Basic Subcontroller	TPL-RGBW-180-24	Subcontroller only	5X96W	24V DC	2.87" W X 6.46" L X 1.45" H

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

Warnings - Handling and Care

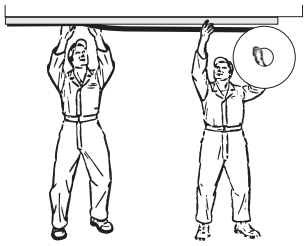
TRACE™ Pixel RGB+W VERTICAL MAY BE EASILY DAMAGED! The reliability of the product can only be ensured if these warnings and cautions are complied with faithfully. Keep these instructions for future maintenance work.

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

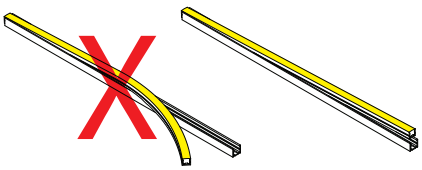
IMPORTANT! The Trace™ Pixel RGB+W Vertical luminaire must not be allowed to bend or hang down. That way, the bending limit will not be inadvertently exceeded, resulting in product damage.

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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