

TRACE
MINI
CB



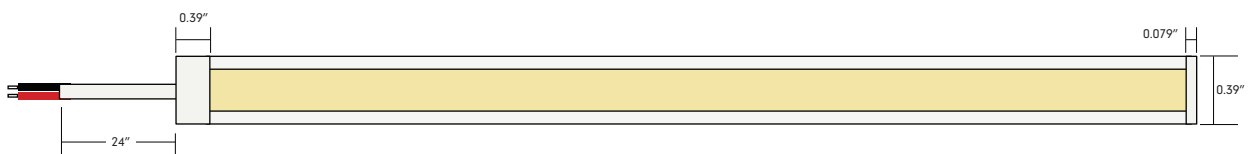
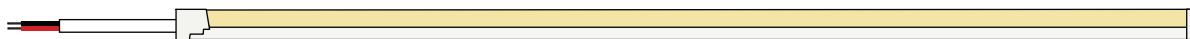
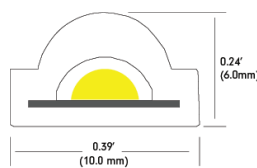
tivoli®



Project: _____ TYPE: _____

- Low bin tolerance with a 1 Step McAdam Ellipse
- Outdoor location suited
- High CRI value
- Factory soldered lead wire required
- IP67 Wet location available
- Multiple mounting channel options
- Large range of available Kelvin temperatures
- Low lead times
- 3 Year warranty

Dimensions



Order Guide

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

PRODUCT CODE	INTENSITY	PROFILE	LED COLOR	END PREP 1	END PREP 2	VOLTAGE	LENGTH
TRCEM	SB	CB		F		24	
TRCEM = Trace Mini	SB = Standard Output	CB = COB	27 = 2700K 30 = 3000K 35 = 3500K 40 = 4000K 50 = 5000K 65 = 6500K	F = Front Lead	F = Front Jumper E = End Cap	24 = 24V DC	Refer to chart page 4-9

Specification



Output						
Kelvin Temperature	2700K	3000K	3500K	4000K	5000K	6500K
Lumens/ft	222.5	219.5	222.5	231.7	213.4	222.5
Efficacy (Lm/W)	73	72	73	76	70	73
CRI	≥90					
Max Run Electrical	30'					
Max Run Mechanical	16'					
Power Consumption W/ft	3W					

Electrical	
Input Voltage	24V DC
Power Supply	Class 2
Wire Size (End Prep)	18 AWG, 2 wire
Dimming	MLV/ELV/0-10V (Consult factory for DMX dimming)
Physical	
LED Package	COB (Chip on FPC)
Adhesive	3M VHB Tape
Copper Trace	3 Ounce Copper Trace
Dimensions	0.39"x0.24" (10mm)
Cut Increments	0.98" (25mm)
Operating Temperature	-40°F (-40°C) ~ 140°F (60°C)
Certification and Testing	
Certification	cULus
Lumen Maintenance (L70) Hours	60,000
Binning Tolerance	1 Step MacAdam Elipse
Environment	IP67 Wet Location
Warranty	3 Years

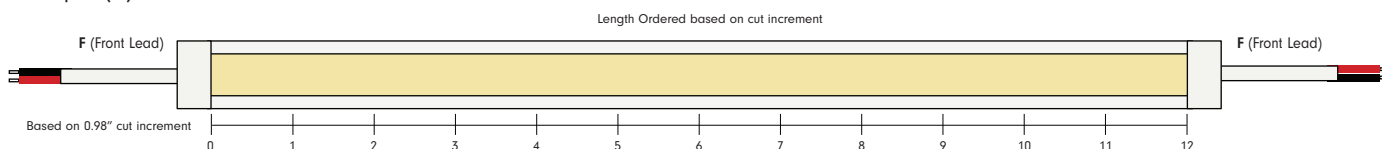
F - F Lead Prep Configuration Order Guide

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

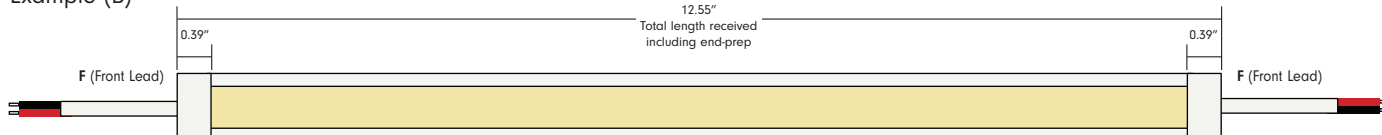
Order information is based on total amount of cut increments needed within a single run - See example (A) below

Total product length received will include added end-prep of choice within a tolerance ($\pm$ in 0.275) - See example (B) below

Example (A)



Example (B)



Part# Example: **TRCEM-SB-CB-27-F-F-24-12**

CUT INCREMENT	ACTUAL INCH	ACTUAL FOOT	WATTS/CUT INCREMENT	NOMINAL LENGTH
12	12.55	1.05	3	1'
13	13.53	1.13	3.25	
14	14.51	1.21	3.5	
15	15.49	1.29	3.75	
16	16.47	1.37	4	
17	17.45	1.45	4.25	
18	18.43	1.54	4.5	
19	19.41	1.62	4.75	
20	20.39	1.70	5	
21	21.37	1.78	5.25	
22	22.35	1.86	5.5	
23	23.33	1.94	5.75	
24	24.31	2.03	6	2'
25	25.29	2.11	6.25	
26	26.27	2.19	6.5	
27	27.25	2.27	6.75	
28	28.23	2.35	7	
29	29.21	2.43	7.25	
30	30.19	2.52	7.5	
31	31.17	2.60	7.75	
32	32.15	2.68	8	
33	33.13	2.76	8.25	
34	34.11	2.84	8.5	
35	35.09	2.92	8.75	
36	36.07	3.01	9	3'
37	37.05	3.09	9.25	
38	38.03	3.17	9.5	
39	39.01	3.25	9.75	
40	39.99	3.33	10	
41	40.97	3.41	10.25	
42	41.95	3.50	10.5	
43	42.93	3.58	10.75	
44	43.91	3.66	11	
45	44.89	3.74	11.25	
46	45.87	3.82	11.5	

CUT INCREMENT	ACTUAL INCH	ACTUAL FOOT	WATTS/CUT INCREMENT	NOMINAL LENGTH
47	46.85	3.90	11.75	
48	47.83	3.99	12	4'
49	48.81	4.07	12.25	
50	49.79	4.15	12.5	
51	50.77	4.23	12.75	
52	51.75	4.31	13	
53	52.73	4.39	13.25	
54	53.71	4.48	13.5	
55	54.69	4.56	13.75	
56	55.67	4.64	14	
57	56.65	4.72	14.25	
58	57.63	4.80	14.5	
59	58.61	4.88	14.75	
60	59.59	4.97	15	
61	60.57	5.05	15.25	5'
62	61.55	5.13	15.5	
63	62.53	5.21	15.75	
64	63.51	5.29	16	
65	64.49	5.37	16.25	
66	65.47	5.46	16.5	
67	66.45	5.54	16.75	
68	67.43	5.62	17	
69	68.41	5.70	17.25	
70	69.39	5.78	17.5	
71	70.37	5.86	17.75	
72	71.35	5.95	18	
73	72.33	6.03	18.25	6'
74	73.31	6.11	18.5	
75	74.29	6.19	18.75	
76	75.27	6.27	19	
77	76.25	6.35	19.25	
78	77.23	6.44	19.5	
79	78.21	6.52	19.75	
80	79.19	6.60	20	
81	80.17	6.68	20.25	

CUT INCREMENT	ACTUAL INCH	ACTUAL FOOT	WATTS/CUT INCREMENT	NOMINAL LENGTH
82	81.15	6.76	20.5	
83	82.13	6.84	20.75	
84	83.11	6.93	21	
85	84.09	7.01	21.25	7'
86	85.07	7.09	21.5	
87	86.05	7.17	21.75	
88	87.03	7.25	22	
89	88.01	7.33	22.25	
90	88.99	7.42	22.5	
91	89.97	7.50	22.75	
92	90.95	7.58	23	
93	91.93	7.66	23.25	
94	92.91	7.74	23.5	
95	93.89	7.82	23.75	
96	94.87	7.91	24	
97	95.85	7.99	24.25	8'
98	96.83	8.07	24.5	
99	97.81	8.15	24.75	
100	98.79	8.23	25	
101	99.77	8.31	25.25	
102	100.75	8.40	25.5	
103	101.73	8.48	25.75	
104	102.71	8.56	26	
105	103.69	8.64	26.25	
106	104.67	8.72	26.5	
107	105.65	8.80	26.75	
108	106.63	8.89	27	
109	107.61	8.97	27.25	
110	108.59	9.05	27.5	9'
111	109.57	9.13	27.75	
112	110.55	9.21	28	
113	111.53	9.29	28.25	
114	112.51	9.38	28.5	
115	113.49	9.46	28.75	
116	114.47	9.54	29	

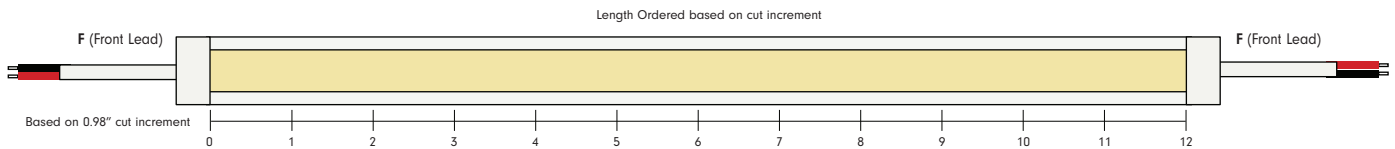
F - F Lead Prep Configuration Order Guide

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

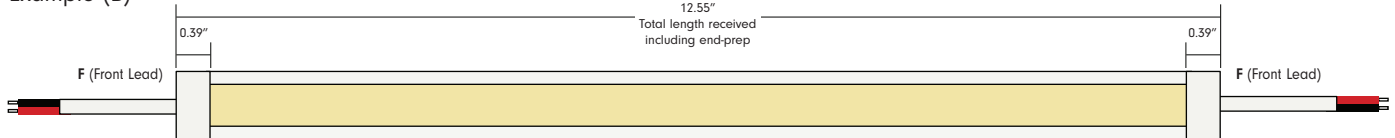
Order information is based on total amount of cut increments needed within a single run - See example (A) below

Total product length received will include added end-prep of choice within a tolerance ($\pm$ in 0.275) - See example (B) below

Example (A)



Example (B)



Part# Example: **TRCEM-SB-CB-27-F-F-24-12**

CUT INCREMENT	ACTUAL INCH	ACTUAL FOOT	WATTS/CUT INCREMENT	NOMINAL LENGTH
117	115.45	9.62	29.25	
118	116.43	9.70	29.5	
119	117.41	9.78	29.75	
120	118.39	9.87	30	
121	119.37	9.95	30.25	
122	120.35	10.03	30.5	10'
123	121.33	10.11	30.75	
124	122.31	10.19	31	
125	123.29	10.27	31.25	
126	124.27	10.36	31.5	
127	125.25	10.44	31.75	
128	126.23	10.52	32	
129	127.21	10.60	32.25	
130	128.19	10.68	32.5	
131	129.17	10.76	32.75	
132	130.15	10.85	33	
133	131.13	10.93	33.25	
134	132.11	11.01	33.5	11'
135	133.09	11.09	33.75	
136	134.07	11.17	34	
137	135.05	11.25	34.25	
138	136.03	11.34	34.5	
139	137.01	11.42	34.75	
140	137.99	11.50	35	
141	138.97	11.58	35.25	
142	139.95	11.66	35.5	
143	140.93	11.74	35.75	
144	141.91	11.83	36	
145	142.89	11.91	36.25	
146	143.87	11.99	36.5	12'
147	144.85	12.07	36.75	
148	145.83	12.15	37	
149	146.81	12.23	37.25	
150	147.79	12.32	37.5	
151	148.77	12.40	37.75	

CUT INCREMENT	ACTUAL INCH	ACTUAL FOOT	WATTS/CUT INCREMENT	NOMINAL LENGTH
152	149.75	12.48	38	
153	150.73	12.56	38.25	
154	151.71	12.64	38.5	
155	152.69	12.72	38.75	
156	153.67	12.81	39	
157	154.65	12.89	39.25	
158	155.63	12.97	39.5	
159	156.61	13.05	39.75	13'
160	157.59	13.13	40	
161	158.57	13.21	40.25	
162	159.55	13.30	40.5	
163	160.53	13.38	40.75	
164	161.51	13.46	41	
165	162.49	13.54	41.25	
166	163.47	13.62	41.5	
167	164.45	13.70	41.75	
168	165.43	13.79	42	
169	166.41	13.87	42.25	
170	167.39	13.95	42.5	
171	168.37	14.03	42.75	14'
172	169.35	14.11	43	
173	170.33	14.19	43.25	
174	171.31	14.28	43.5	
175	172.29	14.36	43.75	
176	173.27	14.44	44	
177	174.25	14.52	44.25	
178	175.23	14.60	44.5	
179	176.21	14.68	44.75	
180	177.19	14.77	45	
181	178.17	14.85	45.25	
182	179.15	14.93	45.5	
183	180.13	15.01	45.75	15'
184	181.11	15.09	46	
185	182.09	15.17	46.25	
186	183.07	15.26	46.5	

CUT INCREMENT	ACTUAL INCH	ACTUAL FOOT	WATTS/CUT INCREMENT	NOMINAL LENGTH
187	184.05	15.34	46.75	
188	185.03	15.42	47	
189	186.01	15.50	47.25	
190	186.99	15.58	47.5	
191	187.97	15.66	47.75	
192	188.95	15.75	48	
193	189.93	15.83	48.25	
194	190.91	15.91	48.5	
195	191.89	15.99	48.75	16'

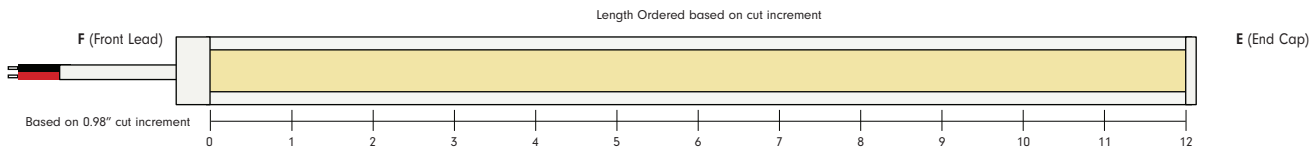
F - E Lead Prep Configuration Order Guide

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

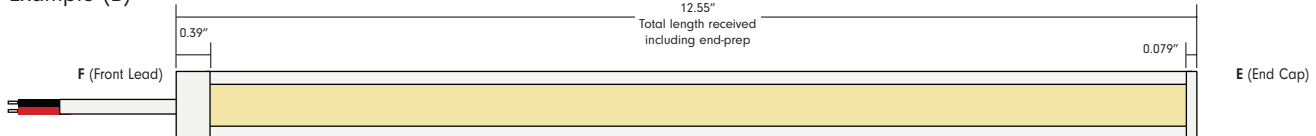
Order information is based on total amount of cut increments needed within a single run - See example (A) below

Total product length received will include added end-prep of choice within a tolerance ($\pm$ in 0.275) - See example (B) below

Example (A)



Example (B)



Part# Example: **TRCEM-SB-CB-27-F-E-24-12**

CUT INCREMENT	ACTUAL INCH	ACTUAL FOOT	WATTS/CUT INCREMENT	NOMINAL LENGTH
12	12.23	1.02	3	1'
13	13.21	1.10	3.25	
14	14.19	1.18	3.5	
15	15.17	1.26	3.75	
16	16.15	1.35	4	
17	17.13	1.43	4.25	
18	18.11	1.51	4.5	
19	19.09	1.59	4.75	
20	20.07	1.67	5	
21	21.05	1.75	5.25	
22	22.03	1.84	5.5	
23	23.01	1.92	5.75	
24	23.99	2.00	6	2'
25	24.97	2.08	6.25	
26	25.95	2.16	6.5	
27	26.93	2.24	6.75	
28	27.91	2.33	7	
29	28.89	2.41	7.25	
30	29.87	2.49	7.5	
31	30.85	2.57	7.75	
32	31.83	2.65	8	
33	32.81	2.73	8.25	
34	33.79	2.82	8.5	
35	34.77	2.90	8.75	
36	35.75	2.98	9	3'
37	36.73	3.06	9.25	
38	37.71	3.14	9.5	
39	38.69	3.22	9.75	
40	39.67	3.31	10	
41	40.65	3.39	10.25	
42	41.63	3.47	10.5	
43	42.61	3.55	10.75	
44	43.59	3.63	11	
45	44.57	3.71	11.25	
46	45.55	3.80	11.5	

CUT INCREMENT	ACTUAL INCH	ACTUAL FOOT	WATTS/CUT INCREMENT	NOMINAL LENGTH
47	46.53	3.88	11.75	
48	47.51	3.96	12	4'
49	48.49	4.04	12.25	
50	49.47	4.12	12.5	
51	50.45	4.20	12.75	
52	51.43	4.29	13	
53	52.41	4.37	13.25	
54	53.39	4.45	13.5	
55	54.37	4.53	13.75	
56	55.35	4.61	14	
57	56.33	4.69	14.25	
58	57.31	4.78	14.5	
59	58.29	4.86	14.75	
60	59.27	4.94	15	
61	60.25	5.02	15.25	5'
62	61.23	5.10	15.5	
63	62.21	5.18	15.75	
64	63.19	5.27	16	
65	64.17	5.35	16.25	
66	65.15	5.43	16.5	
67	66.13	5.51	16.75	
68	67.11	5.59	17	
69	68.09	5.67	17.25	
70	69.07	5.76	17.5	
71	70.05	5.84	17.75	
72	71.03	5.92	18	
73	72.01	6.00	18.25	6'
74	72.99	6.08	18.5	
75	73.97	6.16	18.75	
76	74.95	6.25	19	
77	75.93	6.33	19.25	
78	76.91	6.41	19.5	
79	77.89	6.49	19.75	
80	78.87	6.57	20	
81	79.85	6.65	20.25	

CUT INCREMENT	ACTUAL INCH	ACTUAL FOOT	WATTS/CUT INCREMENT	NOMINAL LENGTH
82	80.83	6.74	20.5	
83	81.81	6.82	20.75	
84	82.79	6.90	21	
85	83.77	6.98	21.25	7'
86	84.75	7.06	21.5	
87	85.73	7.14	21.75	
88	86.71	7.23	22	
89	87.69	7.31	22.25	
90	88.67	7.39	22.5	
91	89.65	7.47	22.75	
92	90.63	7.55	23	
93	91.61	7.63	23.25	
94	92.59	7.72	23.5	
95	93.57	7.80	23.75	
96	94.55	7.88	24	
97	95.53	7.96	24.25	8'
98	96.51	8.04	24.5	
99	97.49	8.12	24.75	
100	98.47	8.21	25	
101	99.45	8.29	25.25	
102	100.43	8.37	25.5	
103	101.41	8.45	25.75	
104	102.39	8.53	26	
105	103.37	8.61	26.25	
106	104.35	8.70	26.5	
107	105.33	8.78	26.75	
108	106.31	8.86	27	
109	107.29	8.94	27.25	
110	108.27	9.02	27.5	9'
111	109.25	9.10	27.75	
112	110.23	9.19	28	
113	111.21	9.27	28.25	
114	112.19	9.35	28.5	
115	113.17	9.43	28.75	
116	114.15	9.51	29	

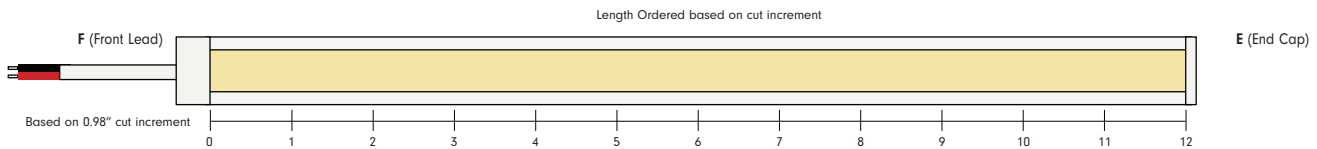
F - E Lead Prep Configuration Order Guide

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

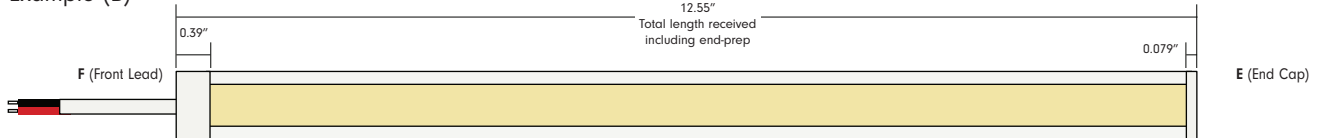
Order information is based on total amount of cut increments needed within a single run - See example (A) below

Total product length received will include added end-prep of choice within a tolerance ($\pm$ in 0.275) - See example (B) below

Example (A)



Example (B)



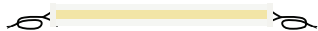
Part# Example: **TRCEM-SB-CB-27-F-E-24-12**

CUT INCREMENT	ACTUAL INCH	ACTUAL FOOT	WATTS/CUT INCREMENT	NOMINAL LENGTH
117	115.13	9.59	29.25	
118	116.11	9.68	29.5	
119	117.09	9.76	29.75	
120	118.07	9.84	30	
121	119.05	9.92	30.25	
122	120.03	10.00	30.5	10'
123	121.01	10.08	30.75	
124	121.99	10.17	31	
125	122.97	10.25	31.25	
126	123.95	10.33	31.5	
127	124.93	10.41	31.75	
128	125.91	10.49	32	
129	126.89	10.57	32.25	
130	127.87	10.66	32.5	
131	128.85	10.74	32.75	
132	129.83	10.82	33	
133	130.81	10.90	33.25	
134	131.79	10.98	33.5	11'
135	132.77	11.06	33.75	
136	133.75	11.15	34	
137	134.73	11.23	34.25	
138	135.71	11.31	34.5	
139	136.69	11.39	34.75	
140	137.67	11.47	35	
141	138.65	11.55	35.25	
142	139.63	11.64	35.5	
143	140.61	11.72	35.75	
144	141.59	11.80	36	
145	142.57	11.88	36.25	
146	143.55	11.96	36.5	12'
147	144.53	12.04	36.75	
148	145.51	12.13	37	
149	146.49	12.21	37.25	
150	147.47	12.29	37.5	
151	148.45	12.37	37.75	

CUT INCREMENT	ACTUAL INCH	ACTUAL FOOT	WATTS/CUT INCREMENT	NOMINAL LENGTH
152	149.43	12.45	38	
153	150.41	12.53	38.25	
154	151.39	12.62	38.5	
155	152.37	12.70	38.75	
156	153.35	12.78	39	
157	154.33	12.86	39.25	
158	155.31	12.94	39.5	
159	156.29	13.02	39.75	13'
160	157.27	13.11	40	
161	158.25	13.19	40.25	
162	159.23	13.27	40.5	
163	160.21	13.35	40.75	
164	161.19	13.43	41	
165	162.17	13.51	41.25	
166	163.15	13.60	41.5	
167	164.13	13.68	41.75	
168	165.11	13.76	42	
169	166.09	13.84	42.25	
170	167.07	13.92	42.5	
171	168.05	14.00	42.75	14'
172	169.03	14.09	43	
173	170.01	14.17	43.25	
174	170.99	14.25	43.5	
175	171.97	14.33	43.75	
176	172.95	14.41	44	
177	173.93	14.49	44.25	
178	174.91	14.58	44.5	
179	175.89	14.66	44.75	
180	176.87	14.74	45	
181	177.85	14.82	45.25	
182	178.83	14.90	45.5	
183	179.81	14.98	45.75	15'
184	180.79	15.07	46	
185	181.77	15.15	46.25	
186	182.75	15.23	46.5	

CUT INCREMENT	ACTUAL INCH	ACTUAL FOOT	WATTS/CUT INCREMENT	NOMINAL LENGTH
187	183.73	15.31	46.75	
188	184.71	15.39	47	
189	185.69	15.47	47.25	
190	186.67	15.56	47.5	
191	187.65	15.64	47.75	
192	188.63	15.72	48	
193	189.61	15.80	48.25	
194	190.59	15.88	48.5	
195	191.57	15.96	48.75	16'

Power Leads and Jumpers (Installed by Tivoli's certified solderers)



TRCEM-CB-LEAD-XEP

Extend lengths up to 20 ft. max
Sold per foot



GELJB-3-02-BK

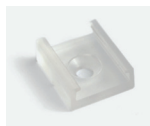
1/2/3 Wire IP67 Medium Gel Filled
Junction Box



GELJB-3-01-BK

1/2/3 Wire IP67 Gel Filled Junction
Box

Mounting Accessories



TRCEM-CB-10-CLP

10mm CB PC clip
length 0.55"
sold each

In-Wall Controls



Touchscreen

TVOQ-1-WH

White



Touchscreen

TVOQ-10-XX-7

XX = BK (Black), WH (White)



Touchscreen

TVOQ-2-BK

Black

Power Supplies

INFINITY - MLV / ELV / 0-10V / PWM / TRIAC

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	MIN LOAD	CIRCUIT CAPACITY
Infinity Series Class 2 Transformer	INF-J-30-1-1.3-24	Indoor / Outdoor	100 - 277V AC	24V DC	1	30W	3W	1.3A
	INF-J-60-1-2.5-24				1	60W	6W	2.5A
	INF-J-96-1-4-24				1	96W	9W	4A
	INF-J-192-2-4-24				2	2x96W	2x9W	2x4A
	INF-J-288-3-4-24				3	3x96W	3X9W	3x4A

Dimmers

DIMMING - 0-10V

DESCRIPTION	CAT NO	APPLICATION	INPUT VOLTAGE	OUTPUT VOLTAGE	MAX LOAD
0-10V Dimmer	DIM-LD-010	Indoor	12V/24V DC	12V/24V DC	30 mA max. output (sink only)

DIMMING - MLV

DESCRIPTION	CAT NO	APPLICATION	INPUT VOLTAGE	OUTPUT VOLTAGE	MAX LOAD
MLV Dimmer	N-600	Indoor	120V AC	120V AC	450W
	N-1000				800W
	N-1500				1200W
	D-600				450W
	M-600				450W
	M-1000				800W

DIMMING - ELV

DESCRIPTION	CAT NO	APPLICATION	INPUT VOLTAGE	OUTPUT VOLTAGE	MAX LOAD
ELV Dimmer	ME-600	Indoor	120V AC	120V AC	450W
	DE-300				300W