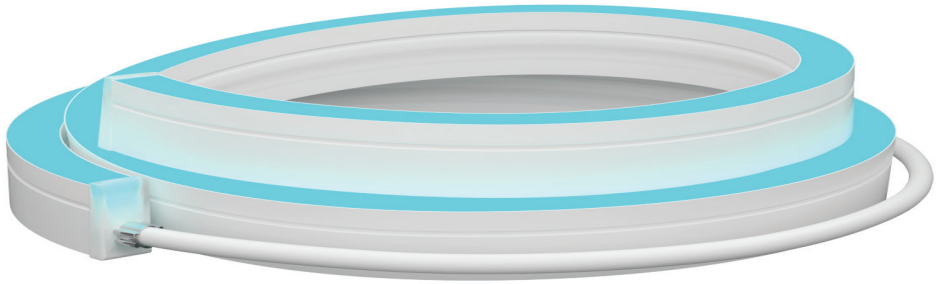
# TRACE

## PRO RGB Horizontal

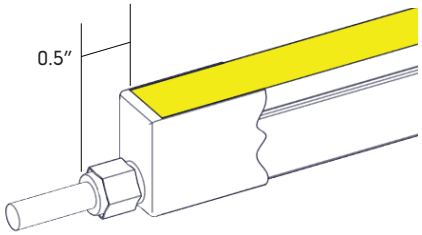


Project: _____ Type: _____

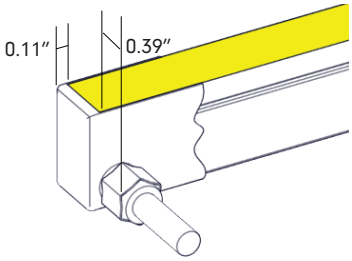
- Horizontal bend configuration
- RGB mixing for over 65 million combinations of vivid color
- Constructed using flexible SMD LEDs with zero voltage drop for reliability and uniformity of light
- Factory molded power lead and end cap
- Used to outline structures or applications where traditional glass 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

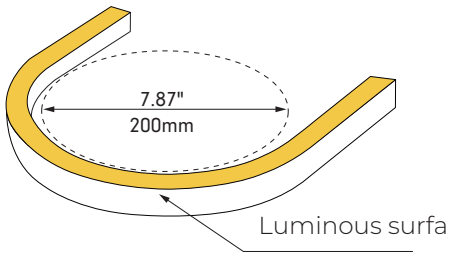
## Dimensions

Front Lead

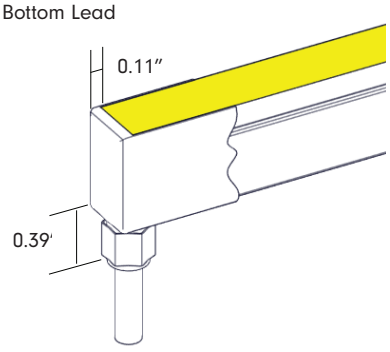



Side Lead

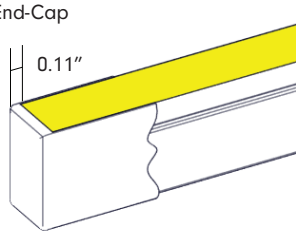


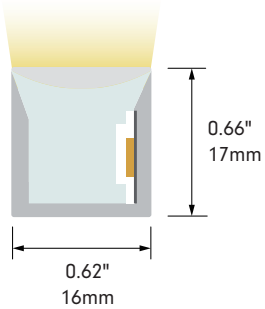




Bottom Lead




End-Cap




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 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** | | **H** | **RGB** | | | | **24** | |
| TRCEPR = Trace Pro | L = Low Output<br>S = Standard Output<br>H = High Output | H = Horizontal | RGB = Red, Green, Blue mixing | BLK = Black<br>WHT = White | F1 = Front (Bare Wire)<br>S1 = Side (Bare Wire)<br>B1 = Bottom (Bare Wire)<br>F2 = Front (M12 Water Proof)<br>S2 = Side (M12 Water Proof)<br>B2 = Bottom (M12 Water Proof)<br>E = End Cap | F1 = Front (Bare Wire)<br>S1 = Side (Bare Wire)<br>B1 = Bottom (Bare Wire)<br>F2 = Front (M12 Water Proof)<br>S2 = Side (M12 Water Proof)<br>B2 = Bottom (M12 Water Proof)<br>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) | 8.1 | 41.9 | 7.1 | 57 |
| Efficacy (lm/W) | 18.71 | 85.33 | 14.13 | 39.88 |
| Power Consumption (W/ | 1.5 | | | |
| Maximum Run | 40' | | | |

| S (Standard Output) | Red | Green | Blue | All On |
|---|---|---|---|---|
| Lumens (lm/ft) | 19.55 | 76.1 | 13 | 107.7 |
| Efficacy (lm/W) | 19.98 | 76.34 | 13.12 | 36.28 |
| Power Consumption (W/ | 3.0 | | | |
| Maximum Run | 28' | | | |

| H (High Output) | Red | Green | Blue | All On |
|---|---|---|---|---|
| Lumens (lm/ft) | 27.7 | 92.8 | 16.5 | 135.6 |
| Efficacy (lm/W) | 19.05 | 65.84 | 11.09 | 31.07 |
| 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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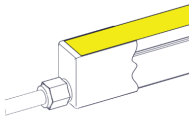
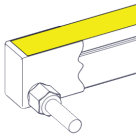
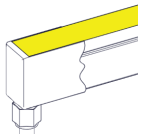
## Molded End-Prep Example



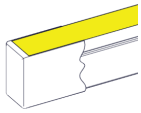
**FRONT (F1,F2)**
Front Lead Entry
10' Power Lead Cable with End Cap



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

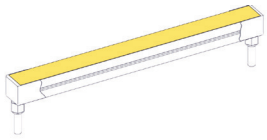


**BOTTOM (B1, B2)**
Bottom Lead Entry
10' Power Lead Cable with End Cap

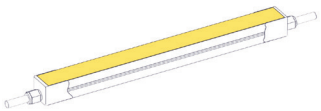


**END CAP (E)**
End Cap (No Lead)
1 pc End Cap

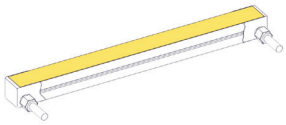
## Molded Power Lead Configurations



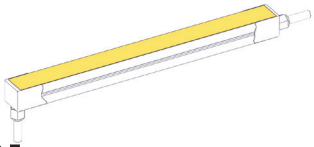
**B-B**
Left Facing Bottom Lead
Right Facing Bottom Lead



**F-F**
Left Facing Front Lead
Right Facing Front Lead

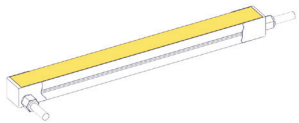


**S-S**
Left Facing Side Lead
Right Facing Side Lead

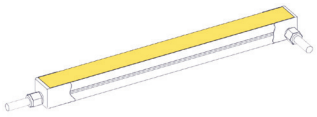


**B-F**
Left Facing Bottom Lead
Right Facing Front Lead

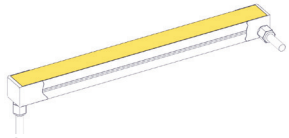
**F-B**
Left Facing Front Lead
Right Facing Bottom Lead



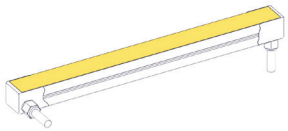
**S-F**
Left Facing Side Lead
Right Facing Front Lead



**F-S**
Left Facing Front Lead
Right Facing Side Lead

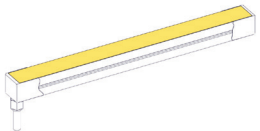


**B-S**
Left Facing Bottom Lead
Right Facing Side Lead

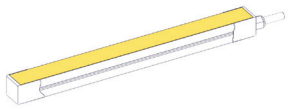


**S-B**
Left Facing Side Lead
Right Facing Bottom Lead

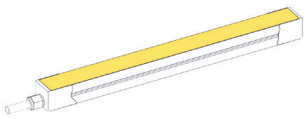
**E-B**
Left End Cap Lead
Right Facing Bottom Lead



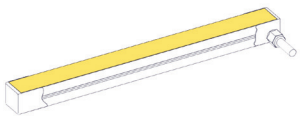
**B-E**
Left Facing Bottom Lead
Right End Cap



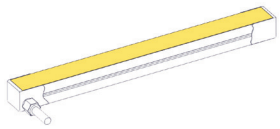
**E-F**
Left End Cap Lead
Right Facing Front Lead



**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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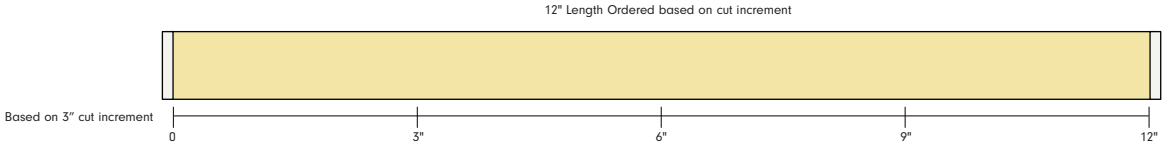
## Length Order Guide (Front - Front)

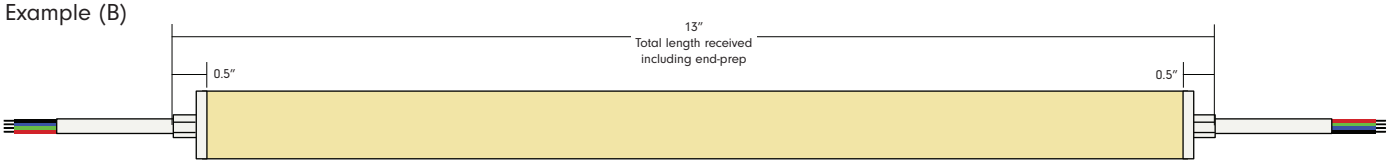
Note: Use "**Cut Increment**" number for order enty information (see chart below)

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 | |

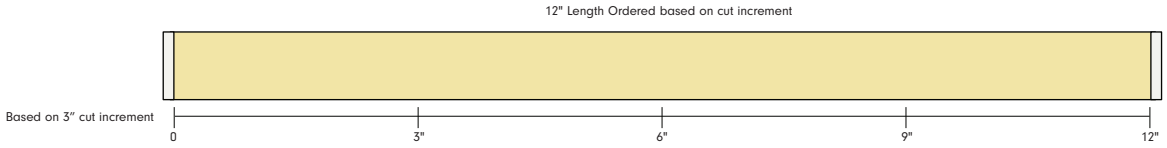
Tivoli, LLC. reserves the right to modify this specification without prior notice.

## Length Order Guide (Front - Front)

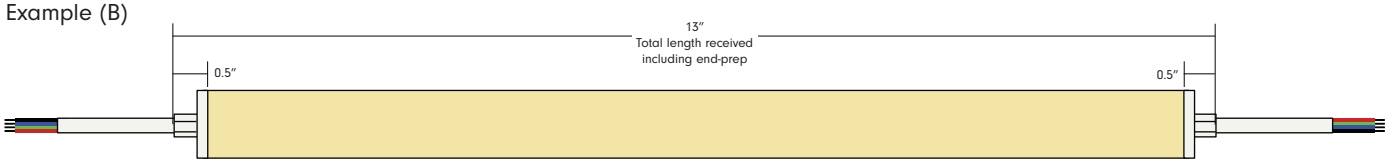
Note: Use "**Cut Increment**" number for order enty information (see chart below)

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 |
|---|---|---|---|---|---|---|
| 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 |

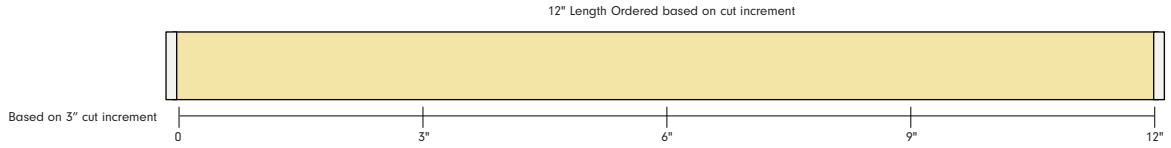
Tivoli, LLC. reserves the right to modify this specification without prior notice.

## Length Order Guide (Front - End Cap)

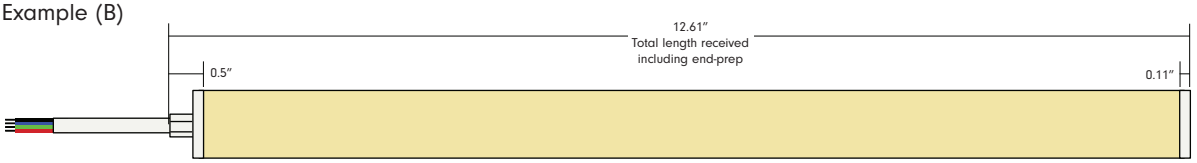
Note: Use "**Cut Increment**" number for order enty information (see chart below)

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 | |

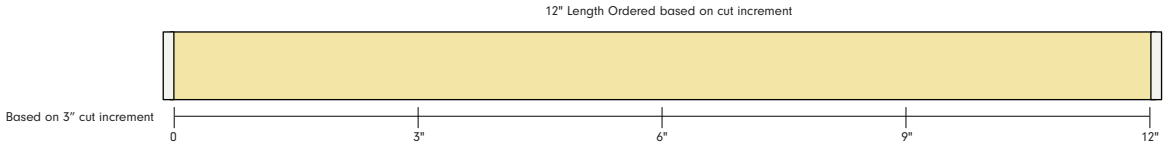
Tivoli, LLC. reserves the right to modify this specification without prior notice.

## Length Order Guide (Front - End Cap)

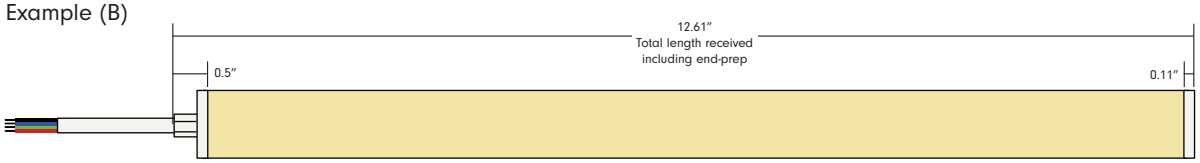
Note: Use "**Cut Increment**" number for order enty information (see chart below)

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 |

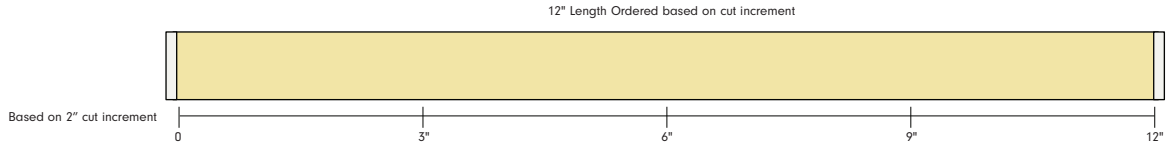
Tivoli, LLC. reserves the right to modify this specification without prior notice.

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

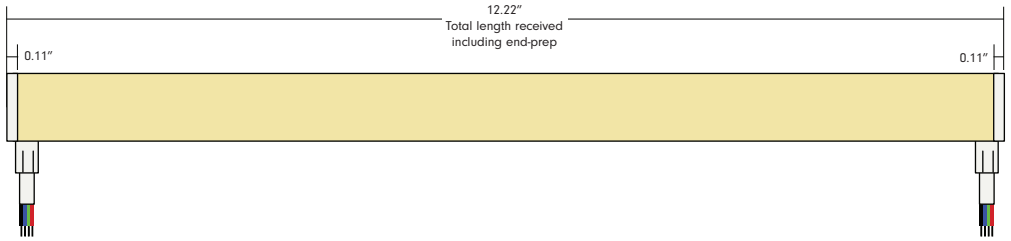
Note: Use "**Cut Increment**" number for order enty information (see chart below)

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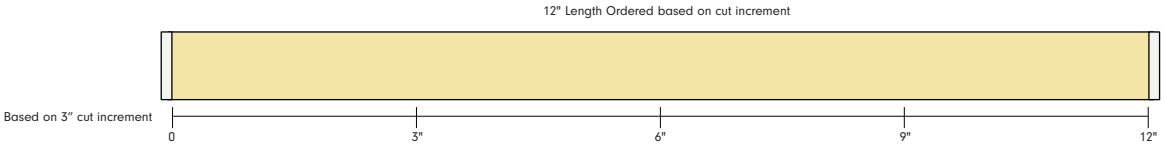
## Length Order Guide (Bottom/Side/End Cap - Bottom/Side/End Cap)

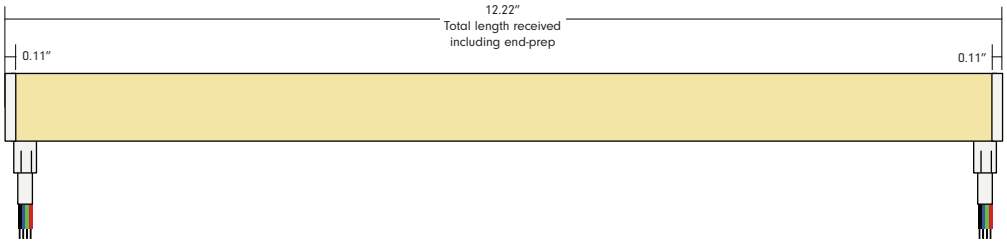
Note: Use "**Cut Increment**" number for order enty information (see chart below)

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<br>5E = Entry Level<br>5B = Basic Level<br>5P = Professional Level<br>5U = Ultimate Level<br>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

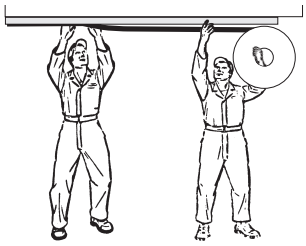
**TRACE™ Pixel RGB+W VERTICAL MAY BE EASILY DAMAGED!** The reliability of the product can only be ensured if these warnings and cautions are complied with faithfully. Keep these instructions for future maintenance work.

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

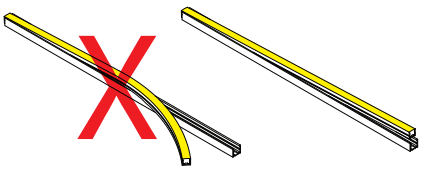
**IMPORTANT!** The Trace™ Pixel RGB+W Vertical luminaire must not be allowed to bend or hang down. That way, the bending limit will not be inadvertently exceeded, resulting in product damage.

**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.**

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