



# CAST LED Perimeter Lighting System Kit

## 750 Ft. Fence / 20 Ft. Fixture Spacing

**CPLK75020**

### PLANNING INSTRUCTIONS

#### Introduction

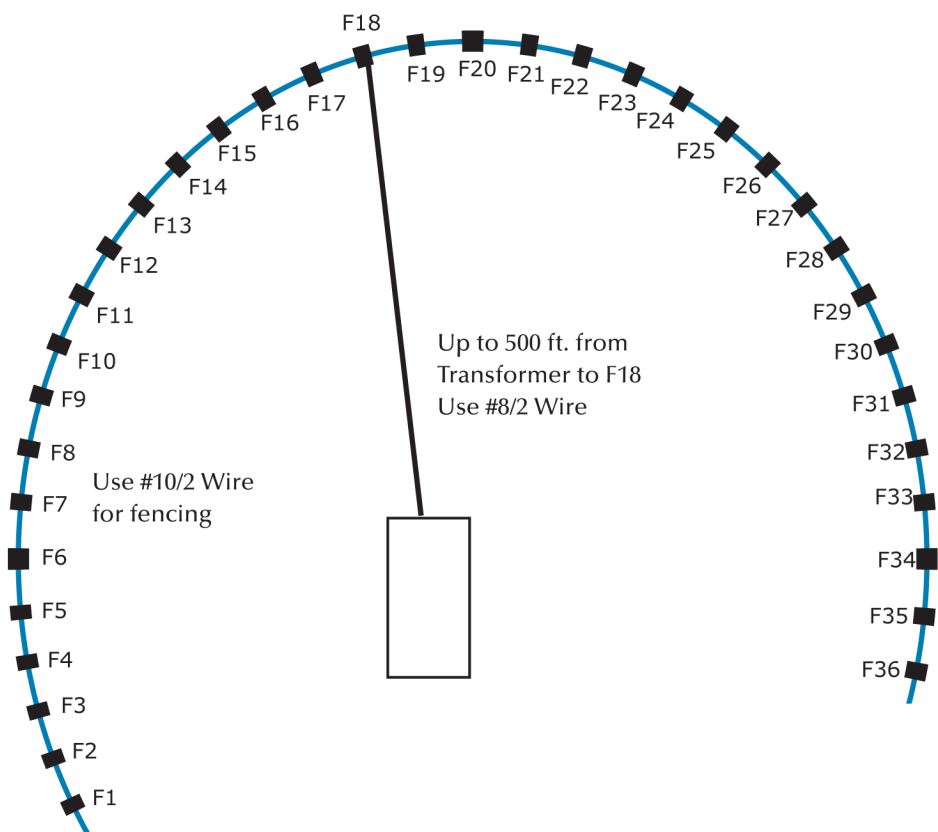
Congratulations on your purchase of the CAST LED Perimeter Lighting System Kit for up to a 750 ft. fence with fixtures spaced every 20 ft. This sheet is meant to assist you in planning the wiring configuration for your system.

Full installation instructions can be found in the "Planning, Installation, & Maintenance Guide" found in the packet attached to the transformer box.

#### Wiring Plan

The following illustration shows the typical T-Method wiring method used for a system of this size.

**Note that best results are achieved by connecting to the center fixture but there is some flexibility to this rule - use the CAST Perimeter Lighting calculator to confirm suitability of connecting to other fixtures.**



Questions on your system design?  
Call CAST Lighting at 973-423-2303

Important: Follow all local electrical codes and requirements.

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#### Kit Contents

**Please check that you received all of these components.**

- (36) CAST LED Perimeter Lights (CPL1)
- (1) 600VA CAST Perimeter Lighting Transformer (CPT600)
- (1) CAST Photocell (CTPC)
- (1) 250 Ft. Roll CAST #10/2 No-Ox Wire (CLW102250)
- (1) 500 Ft. Roll CAST #10/2 No-Ox Wire (CLW102250)
- (1) 500 Ft/ Roll CAST #8/2 No-Ox Wire (CLW82500)
- (4) Blue Dry Wire Nuts (XCEWBWN)
- (80) Ideal #NC8 Parallel Wire Crimps (WCEW30648)
- (1) CAST LED Perimeter Lighting System - Planning, Installation, and Maintenance Guide (in packet attached to transformer box)

#### Further Instructions

A complete Planning, Installation, & Maintenance guide is in a packet attached to the transformer box.

You can skip past the 'Planning Section' since the sheet you are currently reading covers planning for this kit.

#### System Calculator

The CAST LED Perimeter Lighting System Calculator (Excel format) can be downloaded from <http://www.cast-lighting.com/support-installers/system-calculator-installers/>.

This calculator predicts voltage loss, energy consumption and other useful data.