

GRAND VALLEY ENGINEERING SOLUTIONS LLC

ELECTRICAL ENGINEERING/SOFTWARE

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Lights Program Description:

Purpose:

This program was written to automate the creation of lighting fixture schedules used on electrical drawings as a part of the electrical design of a building. It allows the user to rapidly assemble customized schedules from previously defined fixture templates. Each fixture template is a discrete object file that only needs to be told the name of the schedule it should associate itself with. The software provides the structure to create new objects from existing similar objects, store them, and generate alphabetized DXF lighting fixture schedules which can be inserted into AutoCad drawings. In addition to fixture schedules, the software provides a structure to write, edit and store general notes and include them in DXF files.

Program Structure:

This is a windows based program written and compiled using Microsoft's Visual Studio. Each fixture is simulated and stored as an individual object. As a windows application, screens are loosely connected, and the program direction is controlled by the user.

Features:

General:

- Creates any number of lighting fixture schedules for a single project, site lighting, building lighting, parking lot lighting, etc.
- Generates '.dxf' files for direct import into AutoCad drawings

Versions:

- This program is offered in two versions. Licensed use of the standard version is offered on a one-time cost basis with additional fees for optional program upgrades. Go to the 'software downloads' section of my web site and download the [Lights Program Order Blank](#).
- The free demonstration version is a limited time use version of the software that has been modified to limit free commercial use. It is however fully functional, and it is recommended that if you are considering purchasing this or other program, that you try the free demo version first. Go to the 'software downloads' section of my web site, click on [Lights Program Demo](#) and follow the on-screen installation instructions.

Recommendations:

1. Uninstall existing versions of the 'Lights' program before attempting a reinstallation.
2. Store created '.dxf' files in the same subdirectory which contains the drawings. If this is not done, it will be more difficult to update '.dxf' files in the drawings.
3. Although free form typing is possible in most cases, the drop-down menus should be used whenever possible.