

THE REVOLUTIONARY HIGHWAY LIGHTING DESIGN SOLUTION

KeyLIGHTS provides user-friendly tools to enable all the necessary steps of lighting design to be quickly performed in the CAD environment.

KeyLIGHTS has a symbol library with over 500 variants for different types of lighting column, and this, together with facilities for drawing ducting and cabling, enables users to easily create working drawings of proposed lighting schemes. Columns can automatically be positioned on the plan and routines are available to quantify both the columns and ducting.



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Columns, ducting and cabling to columns can be drawn, labelled and quantified

3D views from any angle or height can be automatically created



Ducting and cabling can be shown using a linetype library, these items can then be quantified and labelled easily. Extra symbols are available for bollards, signs and other street furniture.

Columns can be automatically inserted at chosen spacings along a road, or by using tools for easy measurement between columns.

A 3D view is automatically generated by simply choosing your viewing position.

3D features such as buildings and trees can be inserted to make the view more realistic. A choice of view is available to show existing or proposed columns, or both, either in plan or 3D view.

It is possible to store column and lamp information in the drawing and export it to other programs. A logical column numbering and labelling system is also employed for ease of recognition.

“The KeyLIGHTS package is a very efficient and resourceful tool to assist us in producing professional presentations for our clients.”

John Rowell
Highway Lighting Designer
EDF Energy Contracting (PFI Projects)

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Symbols can be swapped automatically, for example from proposed to existing after scheme completion and customisable automatic keys can be created for symbols used in drawings.

Used in conjunction with Lighting Reality, column position data can be extracted and lighting levels calculated. These results can then be imported and correctly shown graphically to ascertain the correct position of the columns.

Lighting grids can be any size and spacing, with all masking options honoured with colour coding of results available to user-preferences. Values above and/or below threshold values can be suppressed.

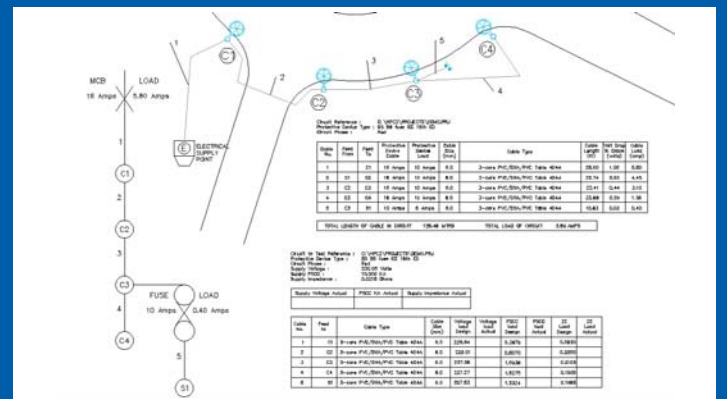
Isolux footprints can be effortlessly generated from any lamp using the Lighting Reality database.

An optional HPC module calculates cable sizes required to meet IEE Regulations. HPC outputs includes full report, tabulated summaries and schematic diagrams.



Results from Lighting Reality calculation shown on plan in seconds after placing columns in position

HPC can calculate required cable sizes, producing full report, summaries and schematic cable runs



- Automatically generate 3D view of a proposed lighting scheme.
- Many methods to assist positioning columns
- See calculated lighting levels in seconds using 'background' Lighting Reality link
- Automatic drawing key creation, quantities of ducting and cabling calculated
- Optional HPC module calculates required cable sizes

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KeyLIGHTS is backed by Key Traffic Systems' full range of support services, including training, support and user group meetings together with Autodesk product and hardware sales.

