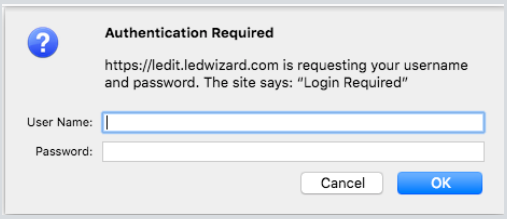
HOW TO CalcuLEDIT

How to access the LEDIT calculation tool?

Launch your internet browser enter the following address:

https://ledit.ledwizard.com



Enter your USERNAME and PASSWORD and click on connect
The calculating software will open.

QUICK START

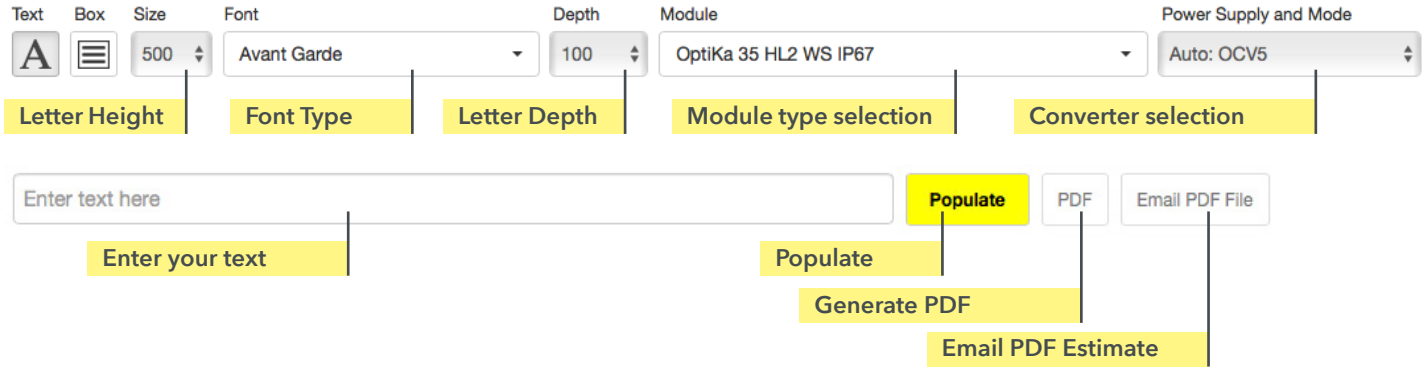
Welcome to your fast & easy CalcuLEDIT tool!

- Select calculation type with the following icons:

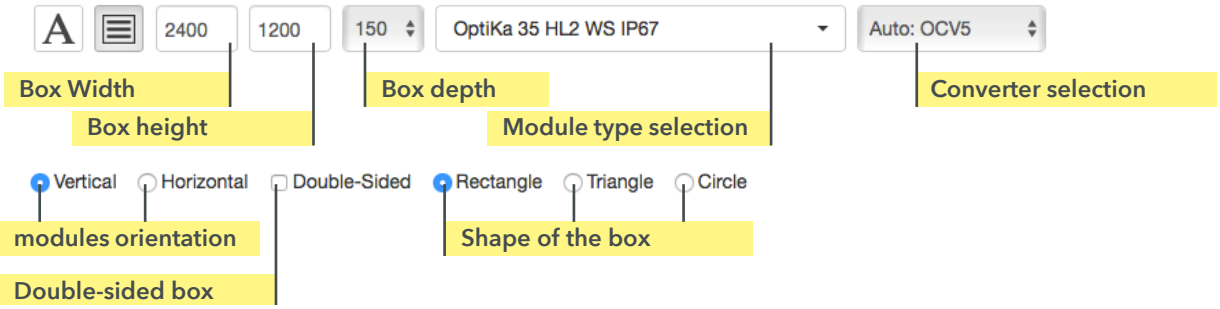
Channel Letter **Light Box**

- Select the appropriate data for your channel letter or light box (type, dimensions, depth, font, etc.).
- Keep in mind that you can select the type of LED module, and for Converters you can choose either 1 piece per letter to integrate it inside, or Optimal number to minimize the quantity needed.
- Enter the text and Click Populate or the Enter button.
- Voila!
- The layout is populated accordingly, and the summary is at the bottom of the layout.
- If you wish a Material estimate list, click on the PDF and the Email PDF buttons.

Channel Letter settings



LightBox settings



LED IT COMPANY LIMITED
Room A, 21/F, Gaylord Commercial building,
114 -118 Lochkart Road, Wanchai, Hong Kong
Contact : sales@leditinternational.com

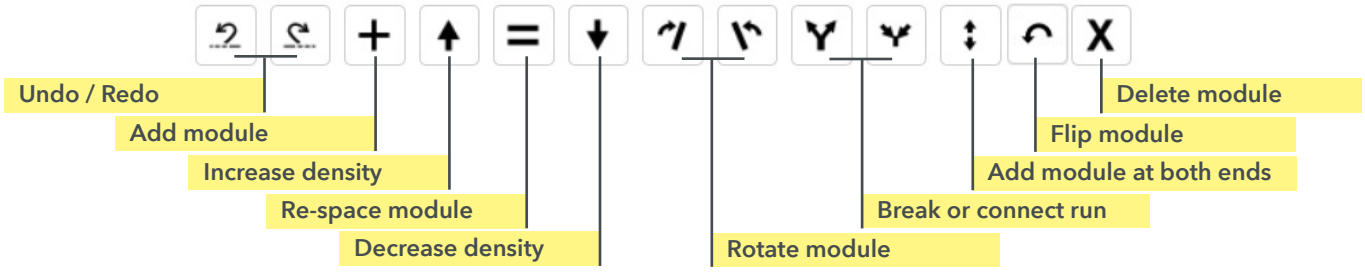
VIEW

You can Zoom in or out and also Scroll left or right the individual letters with the following icon:

EDIT

If you wish to make changes into the layout and calculation, use the tools available and detailed below:

The easiest way to edit the position of the module is simply to click and drag it.
When you click on a module, it will be highlighted, meaning that it is the selected module.
You can move this module as needed, but if you adjust the spacing too far for the cable to reach, it will turn red.



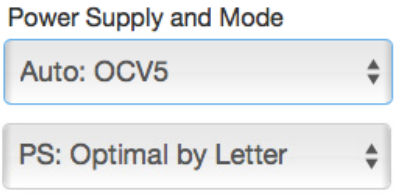
Converter Mode

There are different possibilities to estimate the converters needed for you sign:

- **Auto OCV 5** - calculate the capacity (W) and quantity of 5 years warranty Converter(s).
- **Auto OCV 7** - calculate the capacity (W) and quantity of 7 years warranty Converter(s).
- Select always the same reference (capacity) of Converters (power supplies) for the calculation.

When "Auto" is selected CalcuLEDIT can calculate the quantity of converters under different rules:

- **Simple Optimal** - Will load the first converter to the maximum, then break the run and add another converter, etc... until all modules are powered.
- **Optimal by Run** - Will load the converters across multiple letters without respecting the length of the runs, adding new converters as needed.
- **Optimal by Letter** - Will load the converters letter by letter, adding a new converter if the next letter will not fit on the existing converter.
- **One per Letter** - Will load all the modules of each letter in the same converter. (A message will come up if one or more of the letters will not fit on that converter, in which case you can select a larger one)



LED IT COMPANY LIMITED
Room A, 21/F, Gaylord Commercial building,
114 -118 Lochkart Road, Wanchai, Hong Kong
Contact : sales@leditinternational.com

DATA CALCULATED

Once your sign is populated with LEDs, the results will be shown as below.

Data for each element (letter or lightbox) will include the quantity of modules and converters, and the density of modules per square meter (MPM).

The Converter or Power Supply section indicates the n° modules and the % load (used) for each converter.

Other data:

Date, Depth of sign, Consumption (W) of the modules and of the system, quantity and type of LED Modules, total Area, type and quantity of Converter(s).

Letter	Mods	MPM^2	PS
C	39	4.5	PS1
a	42	4.7	PS1
l	18	5.0	PS1
c	31	4.6	PS1
u	33	4.8	PS1
L	24	4.9	PS1
E	37	5.2	PS2
D	47	4.7	PS2
I	18	5.0	PS2
T	24	4.7	PS2

PS	Mods	Load
PS1	187	94%
PS2	126	63%

Date:
9 April 2018

LED Power:
313.0

System Power:
391.2

Module Name:
OptiKa 100 HL3 WS IP67

Total Module Count:
313

Power Supply:
OCV5 200W 12V 100-277V IP67

Total Power Supplies:
2

Area:
9.215 m^2

Modules / m^2:
34

Depth:
100.0 mm

Dimensions:
12603 mm x 2030 mm

LED IT COMPANY LIMITED
Room A, 21/F, Gaylord Commercial building,
114 -118 Lochkart Road, Wanchai, Hong Kong
Contact : sales@leditinternational.com

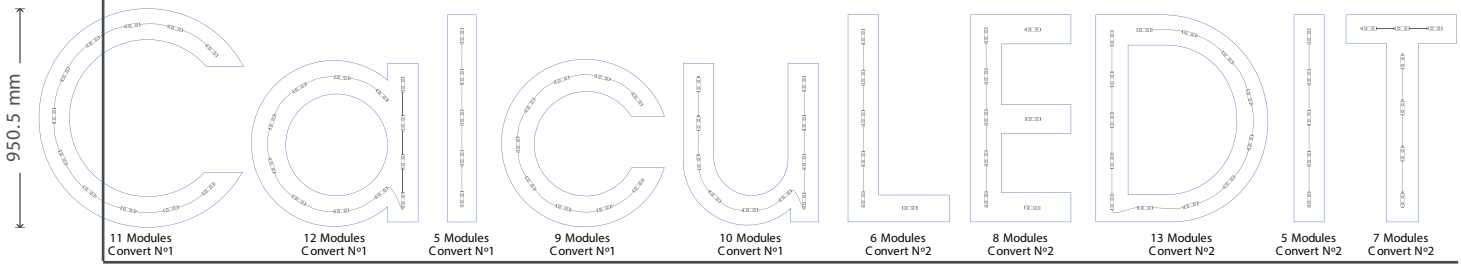
LAYOUT

Company:
Name:
Job Name:
Project Number:
Date: 1 May 2018

CalcuLEDIT

LED IT INTERNATIONAL

-Number of modules is inticated below each letter.
-Each letter is deticated to a converter, in the below example
-"Calcu" is connected on converter N°1
-"LEDIT" is connected on converter N°2



Project Data:

Object Height:	974 mm
Depth:	100.0 mm
Power Supply Mode:	Optimal by Letter
Font Name:	Avant Garde

Order Data:

86 Modules
2 Converter(s)

Module Specifications:

Module Name:	OptiKa 70 HL2 OW IP67
Module Part No.:	22020009
Watts/Module:	0.72 W
Lumens/Module:	68 lm
Efficiency:	94.4 lm/W

Converter Specifications:

OCV7 Slim 35W 12V 100-277V IP67 - 21330013

Results:

LED Power:	61.9 W
System Power:	77.4 W
Area:	2.123 m^2
Modules / m^2:	41
Luminance 30%:	290 cd/m^2
Luminance 40%:	370 cd/m^2
Luminance 55%:	460 cd/m^2

Installation Information:

Clearance:	72 mm
Module Spacing:	177 mm
Row Spacing:	--

* Data and dimensions are given as recommendations based on standard data.
Tests are always required for final confirmation. Always make a test or prototype to confirm results for your specific project.
{{associated-dist-footer-png}}

Luminance Calculation:

The luminance calculation is define with the following factor

-Surface
-Lm /m2

The calulation is made for white transmition material

-30% -- Flexible Face
-40% -- Standard PMMA
-55% -- PMMA (special LED)

** Data and dimensions are given as recommendations based on standard data. Tests are always required for final confirmation. Always make a test or prototype to confirm results for your specific project.*