



Instruction sheet:

- 1 . Types
- 2 . Family Type panel, how it works
- 3 . Inside the host project



NOTES

ESTRO SP SPOT

What to look for:

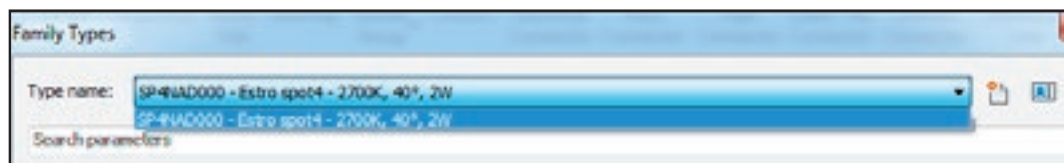
The .rfa file is a "Family" file. It contains a number of 3D models handled by various parameters. In addition to those models you will find all the necessary information to use them.

1 . Types:

Open the file and go to:

Create tab -> Properties tab -> Family types (Image_1)

In the specific case of the ESTRO SP Single Spot you will find only one type of product in the Family types panel. If you need the same product but with different Beam Angles and Color Temperature you have to download it.



_1



Please note that ESTRO SP has to be mounted on one of the ESTRO SPOT Profiles. It can't be used on its own. You can find the suitable profiles on Ilmas website.

Every type is easily identified by a unique code (e.g.) (Image_2):

- ① Model code (initial 2 letters)
- ② Type (a single number)
- ③ LED (a single letter)
- ④ Color temperature (K) (a single letter)
- ⑤ Beam angle code (a single letter)
- ⑥ Length (0 since it is a single object)
- ⑦ Characteristics recap

① ② ③ ④ ⑤ ⑥ | ⑦
SP4NAD000 - Estro Spot4 - 2700K, 40°, 2W

_2



2. Family type panel, how it works

Text info

The first section is about the available versions of the product depending on: (Image_3)

- ① Source Quality
- ② Available Color Temperature
- ③ Available Beam
- ④ Available Finishing Colors



Please remember that ESTRO SPOT profiles are required and must be purchased separately.

Parameter	Value	Formula	Lock
Constraints			
Default Elevation	0.0		<input checked="" type="checkbox"/>
Text			
Code	SP4NAD000.. to be completed		
① Available Source Quality	LED 5050, 2W		
② Available Color Temperature	2700K, 3000K, 4000K		
③ Available Beams	25°, 40°, 60°, 80°		
④ Available Extruded Profile Finishes	CLICK here for INFO		
Setting of Lighting Parameters			
Materials and Finishes			
* Extruded Profile	Aluminium (cod. A)		
Electrical			
Lamp	LED		
Wattage Remarks	2.00 W		
Electrical Engineering			
Voltage	2.00 VA		

_3



You can choose between four different finishes for this product. Please note that they must be the same of the hosting Estro Spot profile. Be careful when putting together the code.



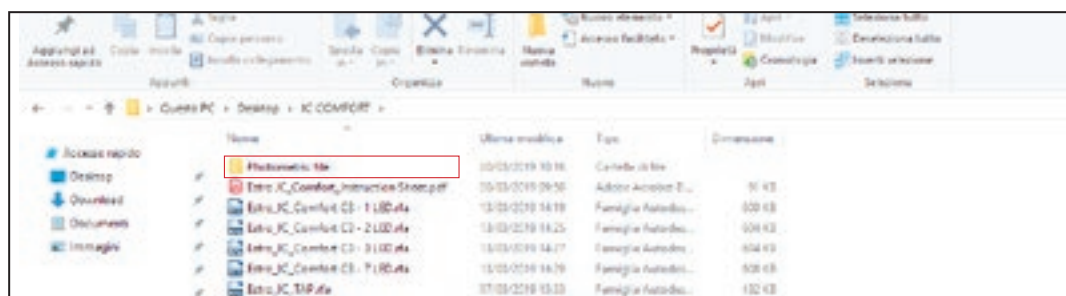
Electric / Photometric info:

The following part of the interactive panel is about electric and photometric characteristics.



Please note that this section is given to you already filled with the correct information so you don't need to manually change anything. Each type is ready-to-use.

Each product type is linked to the proper photometric .ies file. The .ies file will be automatically downloaded within the 3D model and placed in a specific folder. (Image_4)



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Please don't change the position of the .ies file or you will have to manually relink it inside the software.

Identity data:

The last part of the panel contains some useful links (Image_5). One that directly takes you to the data sheet of the specific type on the Ilmas website, another one that takes you to the price list request form and the last one that takes you to Ilmas Website.

Here you also have the Model Name, a brief description and an email address to refer to if necessary.

Cost		
Data sheet	http://www.ilmas.com/en/azie	
Description	Recessed linear lighting fixture al	
Type Image		
Info	ilmas@ilmas.com	
Model	Estro JC Power	
Keynote		
Price list	http://www.ilmas.com/en/rich	

_5



All .rfa files are fully editable but if you need a special product you can ask for the specific file. Do not hesitate to contact us.

3. Inside the host project

3.1 How to import a .rfa file



You can either assemble the Estro Spot Profile and the Single Spotlights before uploading them in the final project or after that. The process to do so is the same.

Open your project (or .rfa family)

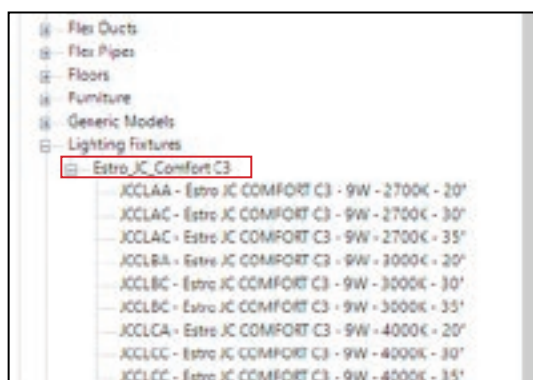
Go to: *Insert* tab. -> *Load from library* -> *Load Family*

Choose the .rfa you have previously downloaded and click open.

Revit will automatically place the Family file in the project Browser under the heading *Families - Lighting fixtures* (Image_6)

The tree diagram will now show the family types listed under the Family name.

Select the type you want to use according to the characteristics.



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On the right side of your monitor you will find all the object properties that have been already set out.

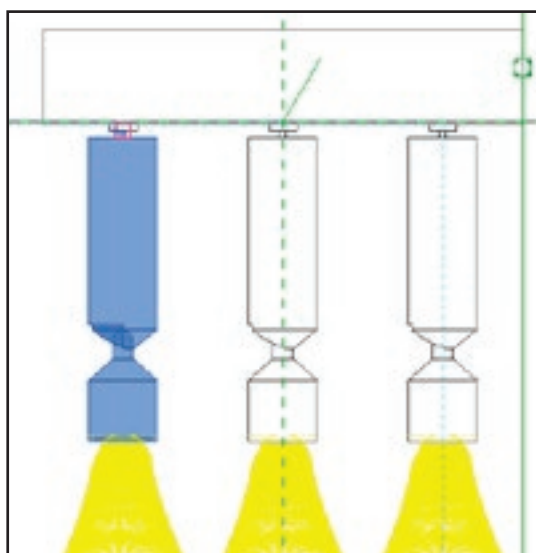
To place the object just drag and drop it from the Project browser to the correct position in your project.



Please note that the current lighting fixture is designed on a surface based Template. The software can hypothetically allow you to drop it anywhere. Just remember that it doesn't exist without its particular profile.

Moreover you will notice that the software automatically recognises different surfaces on the hosting profile. Move the cursor until the socket for the jack is highlighted.

This operation is easier when done in a 3D view. After you have placed the object you can move to the default Elevation views to adjust the position. (Image_7)



_7



3.2 Rotation and focusing

Each ESTRO SP Single Spotlight is adjustable. It can rotate up to 90° from the initial vertical position in one direction only. The software allows you to insert every possible angle value but you will notice how the two solids wrongly compensate. It is even more clear if you take a look at the body of the Spotlight. It has an appropriate notch that allows the rotation. (Image_8)



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To change the Spotlight orientation please *select it* and go to the right side of your monitor. Find the *Value line* of “Angle” parameter and manually insert the number.



Please note that you can adjust them singularly.



3.3 Moving through the types and families

Once you have placed the object you can see the *photometric diagram* in 3D.

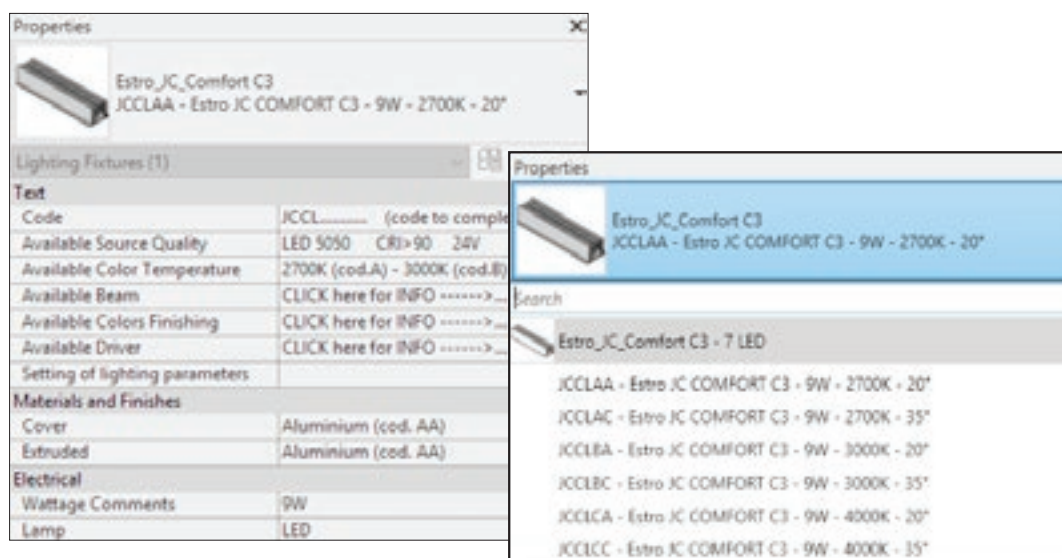
If it doesn't happen please check the box *Light Source* in your *Visibility/ Graphic Overrides* options under the heading of *Lighting Fixtures* and select *Apply*.

The useful feature of a Family file is that you can switch from a type to another an endless number of times.

Select it in one of the available views then go to the *Properties* tab on the right side of the monitor and choose a different one from the drop-down menu listing all the types. (Image_9)

See the Photometric diagram changing in 3D model.

In this particular case you only have one type per Family, but you can switch between them too.



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A Project can host more than a single Family.

You can download a product (or even a completely different one) in all the existing versions and upload every file in the same project. The *Project Browser* updates as it happens and shows all the loaded families. It is now possible to switch not only from a type to another but also from a Family to another without having to remove the old object and place a new one every time. Revit will automatically replace it in the model in the right position. To do so follow the same process previously illustrated.



3.4 Finishes, how to choose.

The last part of the code is made up of numbers and letters describing the desired length of the profile and the selected finishes for the Extruded profile. In this case obviously you can't change the length, since you will order a number of objects. Once loaded in a host project, every Type of every .rfa file offers the possibility to choose and visualize all the available options or to edit them.

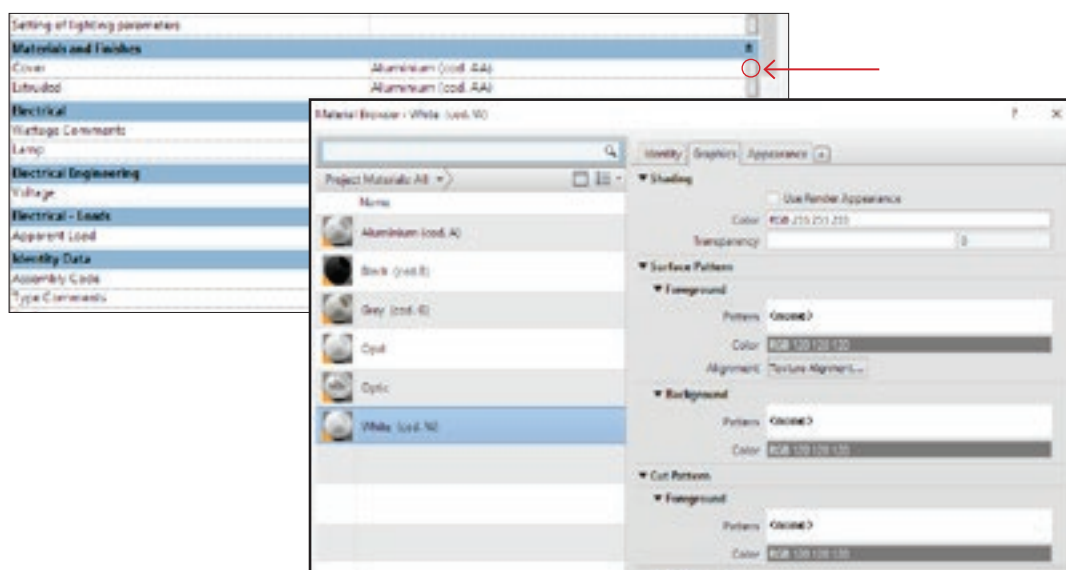


Always remember that any change to the 3D model won't effect its code. To correctly list the objects in your project you must rename, or duplicate and rename the types adding the missing part of the code.

Follow the instructions to change the finishing color:

Left Click on the object, go to the *Properties* tab on the right side of the monitor and select *Edit Type*.

Go to the second section of the panel that opens and click on the *Extruded Profile Material - Value* line. Please click the dots at the end of the line to open the *Material Browser* and choose among the possibilities. (Image_10)



_10



Please keep in mind that by changing the Extruded profile's color the name and the relative Code of every type does NOT change. If you need to use and catalogue different finishes for the same product the type will have to be duplicated and saved with a proper name.

Open the *Type Properties* panel as shown earlier by clicking on *Edit Type*.

Select *Duplicate*, give a new unique name to the object. Maybe incorporate the additional *numbers and letters identifying length and color*.

This will allow you to catalogue all the types within a *Schedule of Materials/Objects/Lighting fixtures*.

Parameter	
Text	
Code	JCCL.....
Available Source Quality	LED 5050 C
Available Color Temperature	2700K (cod.A)
Available Beam	CLICK here for
Available Finishing Colors	CLICK here for INFO
Available Driver	CLICK here for INFO
Setting of lighting parameters	
Materials and Finishes	
Cover	White (cod. W)
Extruded Profile	White (cod. W)
Electrical	
Wattage Comments	9W
Lamp	LED
Electrical Engineering	
Voltage	24.00 VA
Electrical - Loads	
Apparent Load	9.00 VA
Identity Data	
Assembly Code	
Type Comments	Lighting fixture to be multiplied to create a line of the required len
Cost	
Data sheet	http://www.ilmas.com/en/azienda/estra.html



Final comments:



All the instructions given here can be applied to all the ESTRO JC category products.
Names and images referring to a specific product are to be intended as an example.

Ilmas S.p.a is always available for any necessity. Please refer to the society contacts for your requests, we will be glad to help.

Dimensions and shapes of the 3D models are indicative. Always check the Data Sheets before your purchase.

Ilmas reserves the right to change Photometric and Electric characteristics of the products without notice. Once again, always refer to Data Sheets for official information.