



## Instruction sheet:

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



NOTES

# ESTRO Omnia GC Opal

## What to look for:

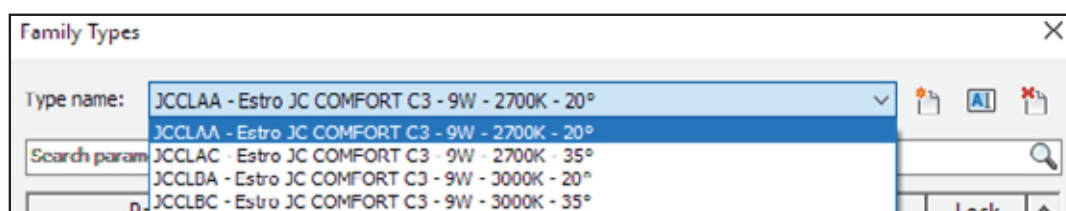
The .rfa file is a "Family" file. It contains a number of 3D models handled by various parameters. In addition to those models you will find all the necessary information to use them.

### 1 . Types:

Open the file and go to:

Create tab -> Properties tab -> Family types (Image\_1)

Here you can find all the available versions of the product. They have different Powers (W), Colour Temperature (K), and the same Beam Angle. (Image\_1)



\_1



*Please note that this OMNIA GC Profile is ready-made in modules. The one you find in the .rfa file is 140mm long and hosts the right photometry for indirect lighting. To create lines please copy the single element as many times as you need.*



*OMNIA GC can be purchased exclusively in combination with GA/GB profiles. The products have to be ordered separately.*

Every type is easily identified by a unique code (e.g.) (Image\_2):

- ① Model code (initial 2 letters)
- ② Diffuser (a single letter)
- ③ LED (a single letter)
- ④ Color temperature (K) (a single letter)
- ⑤ Length (cm) (three numbers)
- ⑥ Characteristics recap

①

②

③

④

⑤

⑥

**GC O B A 014 - OMNIA GB OPAL - LED BAR 3014 - 10W/m - 2700K**



## 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 Extruded Profile Finishes
- ④ Available Diffuser (cover) finishes
- ⑤ Available Drivers
- ⑥ Recap of lighting parameters



*Please note that Drivers are required and they must be purchased separately.*  
In this section of the panel you will find the necessary information to choose between the available ones.

Family Types		
Type name: GAO8A014 - OMNIA GA OPAL - LED BAR 3014 - 10W/m - 2700K		
Search parameters:		
Parameter	Value	Formula
<b>Text</b>		
Code	GAO..... (code to complete)	-
① Available Source Quality	CLICK here for INFO ----->	-
② Available Color Temperature	2700K (cod.A) - 3000K (cod.B) - 4000K (cod-	-
③ Available Extruded Profile Finishes	CLICK here for INFO ----->	-
④ Available Cover Finishing Colors	Opal	=
⑤ Available Driver	CLICK here for INFO ----->	-
⑥ Setting of lighting parameters		=
<b>Materials and Finishes</b>		
Cover	Opal	-
Extruded Profile	White (cod. W)	=
<b>Electrical</b>		
Wattage Comments	10W/m	=
Lamp	LED	=
<b>Electrical Engineering</b>		
Voltage	24.00 VA	-
<b>Electrical - Lighting</b>		
Calculate Coefficient of Utilization (default)	<input checked="" type="checkbox"/>	=
Coefficient of Utilization (default)		=
<b>Electrical - Loads</b>		
Apparent Load	1.40 VA	=
<b>Photometrics</b>		
Tilt Angle	90.00°	-
Beam	120.00°	-
CRI (Color Rendering Index)	CRI>90	-
Initial Color	2700 K	-
Emit from Line Length	140.00	-
Light Loss Factor	1	-
Photometric Web File	OPAL_10W_2700K_14cm.ies	-
Color Filter	White	=
Initial Intensity	1.40 W @ 112.00 lux/2M	-



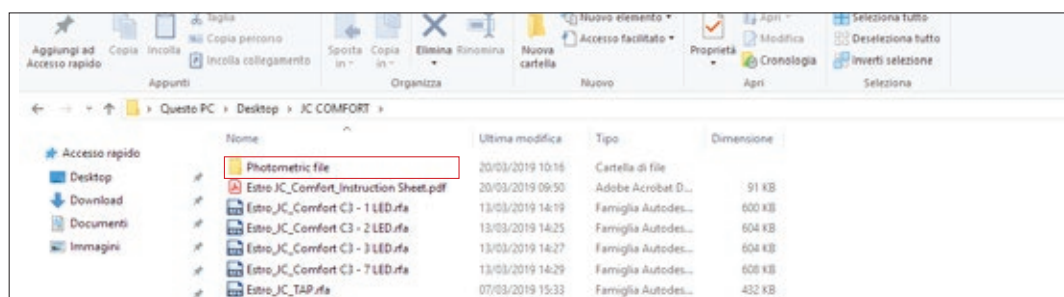
## Electric / Photometric info:

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 e.g.)



\_4

## 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.

Data sheet	<a href="https://s3-eu-west-1.amazonaws.com/">https://s3-eu-west-1.amazonaws.com/</a>	=
Description	Trim recessed installation fitting wi	=
Type Image		=
Info	<a href="mailto:ilmas@ilmas.com">ilmas@ilmas.com</a>	=
Model	Moon 0220	=
Keynote		=
Price list	<a href="http://www.ilmas.com/en/richie">http://www.ilmas.com/en/richie</a>	=
Manufacturer	ILMAS s.p.a.	=
URL	<a href="http://www.ilmas.com/en/index">http://www.ilmas.com/en/index</a>	=

\_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

Open your project.

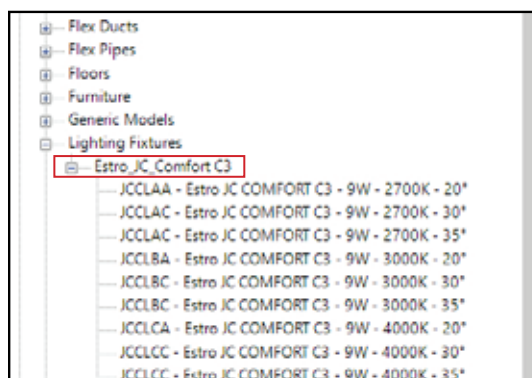
Go to: *Insert* tab. -> *Load from library* -> *Load Family*

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.



\_6

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 ceiling based Template. It means that you can only place it on an existing false ceiling. The software will only allow to drop it there.*

Omnia GC profile does not require an installing opening since it is installed on the false ceiling surface. The software will place it at 1,30 cm from the lower side of the false ceiling by default.

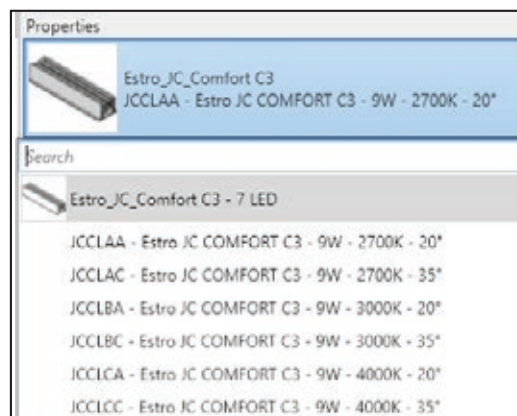
### 3.2 Moving through the types

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\_5)

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.



\_5



### 3.3 Dimensions and colors, how to edit

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.

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 choose the length:

The 3D model you downloaded has a default length of 140mm long and houses 7 Leds. You have to duplicate the items and place them next to one another the number of times required to reach the right size.

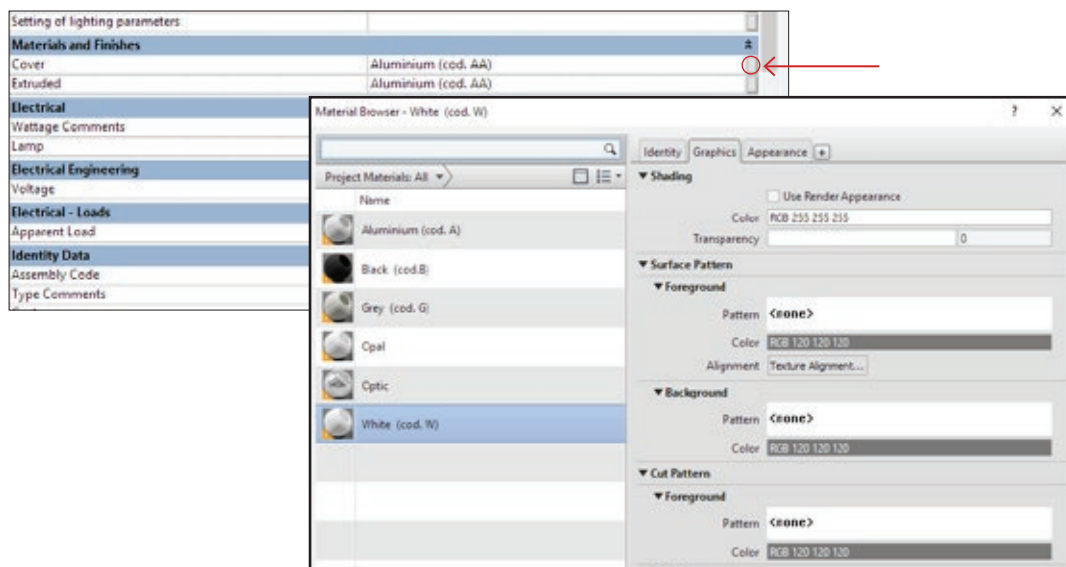


*Put together the line you need and then measure it. When placing your order please remember to write down in the code the right profile measure which is NOT the number of 140mm long modules you used.*

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\_8) The cover finish is not editable. It can either be Opal or Prismatic but not in the same .rfa file. You can download both versions separately.





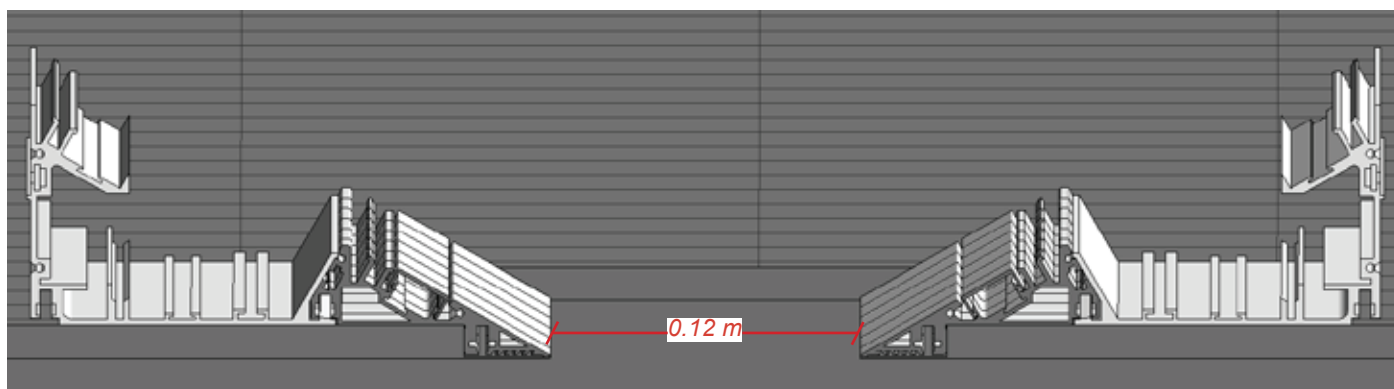


### 3.3 Assembling profiles

Omnia profiles are used for cove lighting. OMNIA GC profile is designed to be assembled with GA/GB profiles. By using it you can implement the number and type of lighting sources in your cove. Download the profiles you want to use and load the families in your host project in the same way previously illustrated. You can place them singularly on the perimeter of a shaped ceiling or in pairs anywhere on the ceiling's surface. The software will automatically create the installing opening after you place GA/GB profiles. The default measure is 60mm from the edge of the profile. (Image\_7)



*Please consider that you can only create 80/120/160mm wide coves. For special requests always refer to Ilmas S.p.a..*



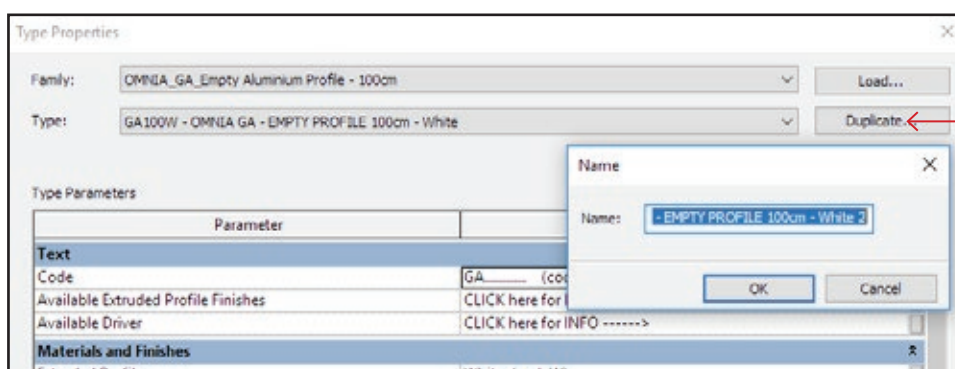
\_7



*Please keep in mind that by changing the Extruded profile's length, the name and the relative Code of every type does NOT change. If you need to use and catalogue different versions 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. Change the numbers referring to the profile's length. This will allow you to catalogue all the types within a *Schedule of Materials/Objects/Lighting fixtures*. (Image\_9)



\_9



## Final comments:



All the instructions given here can be applied to all the OMNIA 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.