



Instruction sheet:

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



NOTES

ESTRO Omnia GB Opal

What to look for:

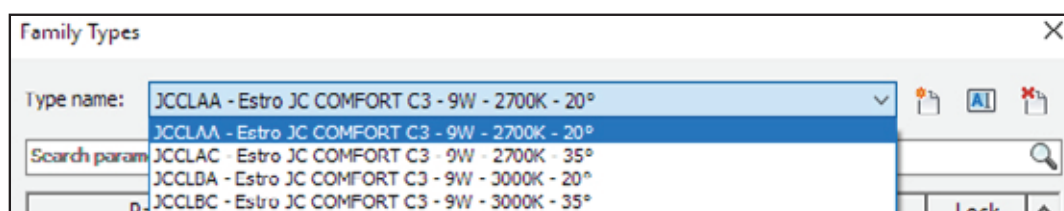
The .rfa file is a "Family" file. It contains a number of 3D models handled by various parameters. In addition to those models you will find all the necessary information to use them.

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 GB Profile is ready-made in modules. The one you find in the .rfa file is 140mm long and hosts the right photometry. To create lines please copy the single element as many times as you need.



In order to use it also for direct lighting you have to separately order the ESTRO JA profile, which is suitable to be hosted in this one.

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

GBTB A014 - 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: GAOBA014 - OMNIA GA OPAL - LED BAR 3014 - 10W/m - 2700K		
Search parameters:		
Parameter	Value	Formula
Text		
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		=
Materials and Finishes		
Cover	Opal	-
Extruded Profile	White (cod. W)	=
Electrical		
Wattage Comments	10W/m	=
Lamp	LED	=
Electrical Engineering		
Voltage	24.00 VA	-
Electrical - Lighting		
Calculate Coefficient of Utilization (default)	<input checked="" type="checkbox"/>	=
Coefficient of Utilization (default)		=
Electrical - Loads		
Apparent Load	1.40 VA	=
Photometrics		
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	-



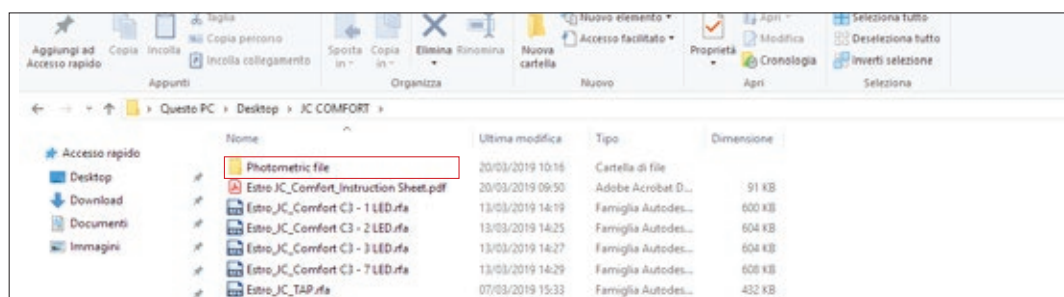
Electric / Photometric info:

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



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.

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

_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.

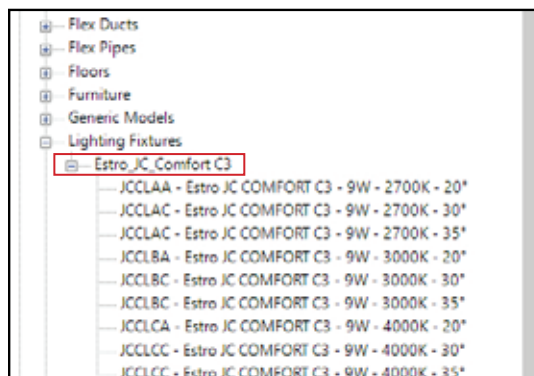
Go to: *Insert* tab. -> *Load from library* -> *Load Family*

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.



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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 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.

Moreover you will notice that by placing the object on the ceiling/false ceiling it automatically creates an installing opening of an appropriate size.

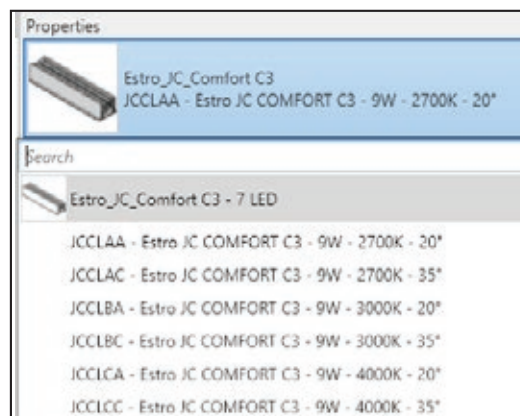
3.2 Moving through the types

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.



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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.

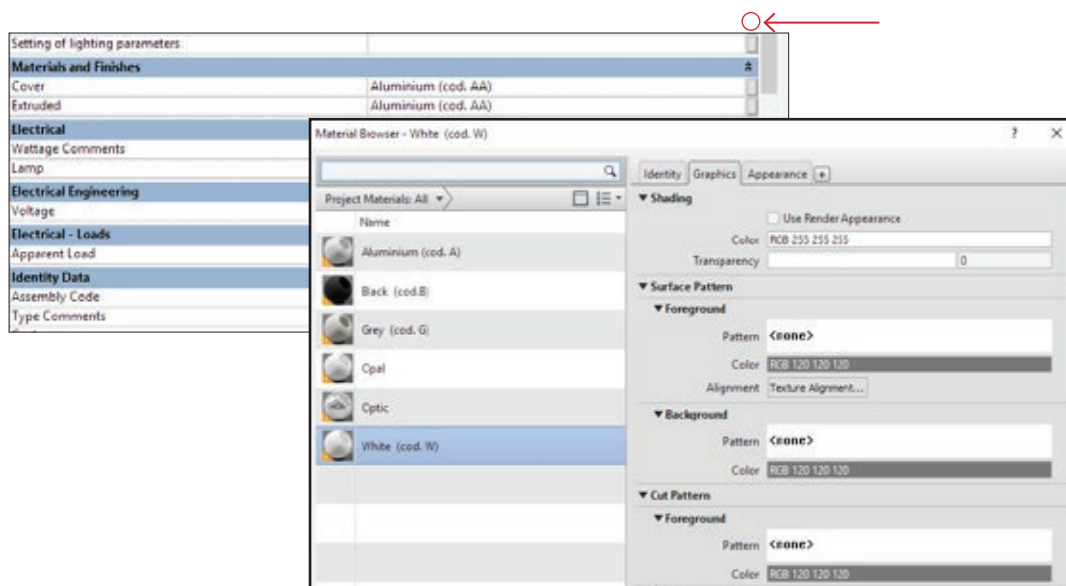


Put together the line you need and then measure it. When placing your order please remember to write down in the code the right profile measure which is NOT the number of 140mm long modules you used.

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.



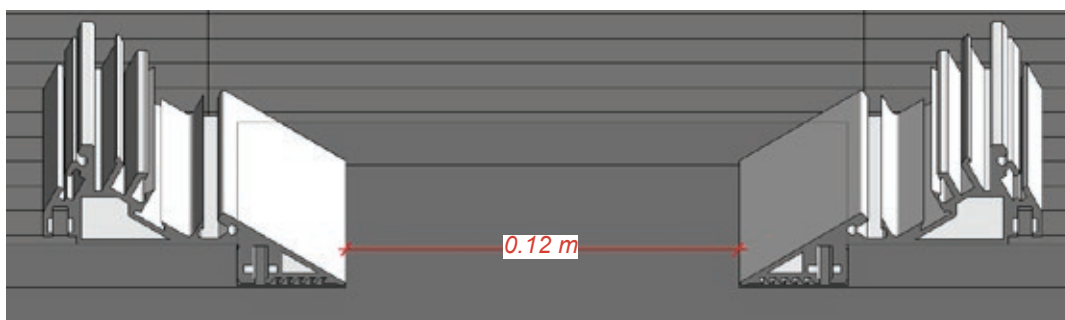


3.4 Installing opening, how to edit

Omnia profiles are used for cove lighting. You can place it 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. 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..



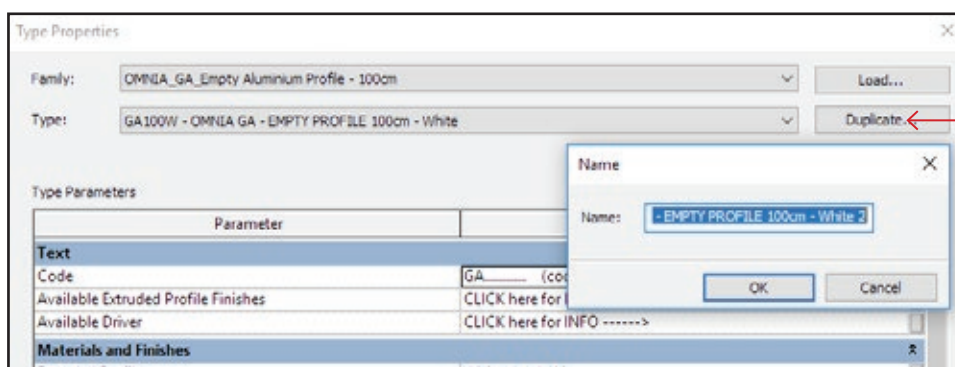
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Please keep in mind that by changing the Extruded profile's lenght, the name and the relative Code of every type does NOT change. If you need to use and catalogue different versions for the same product the type will have to be duplicated and saved 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 lenght. This will allow you to catalogue all the types within a *Schedule of Materials/Objects/Lighting fixtures*. (Image_8)



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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.



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NOTES

ESTRO Omnia Accessories

Introduction:

OMNIA Profiles are used for cove lighting as already said.
In the downloaded folder you will find not only the chosen profile but also another folder containing all the accessories.
These ones are necessary to complete all the possible combinations of the profiles.

What to look for:

- ① Internal Contoured Joint
- ② Contoured Joint
- ③ Contoured end-cap



Please note that Accessories never contain Photometric files since they are Extruded aluminium elements to be assembled with GA/GB profiles. They serve as the closing part of a lighting cove or as angular joints.

Except for the *Internal Contoured Joint*, both the *Contoured Joint* and the *Contoured End-Cap* are provided in three versions depending on the cove width.

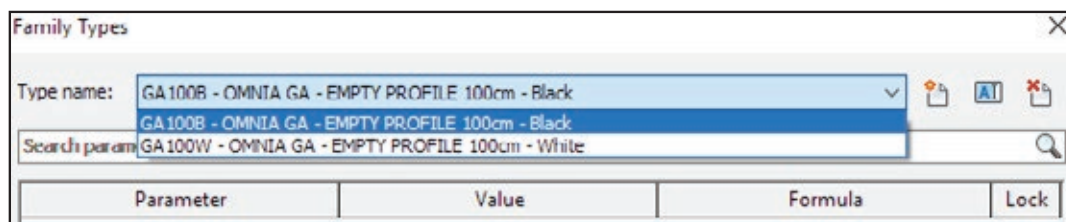


Always consider that you can only create 80/120/160mm wide coves. For special requests always refer to Ilmas S.p.a..

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 only have different Finishing Colours.



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Every type is easily identified by a unique code that works in the same exact way of the other previously illustrated.
Always be sure to duplicate and rename the types you want to list singularly in your project.



2. Family type panel, how it works

The Family type panel is divided in sections and contains the same information of the Family Type panel of the profiles. The first section is about the available versions of the product depending on: (Image_2)

- ① Available Finishing Colors
- ② Available Drivers



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: GA100B - OMNIA GA - EMPTY PROFILE 100cm - Black

Search parameters

Parameter	Value	Formula	Lock
Text			
Code	GA..... (code to complete)	=	
Available Extruded Profile Finishes	CLICK here for INFO ----->	=	
Available Driver	CLICK here for INFO ----->	=	
Materials and Finishes			
Extruded Profile	Black (rod.B)	=	
Electrical			
Commenti sul wattaggio		=	
Lampada		=	
Electrical Engineering			
Voltage	24.00 VA	=	
Dimensions			
Effective Length (default)	1000.00	= if(Length > 1000 mm, 1000 mm, if(<input type="checkbox"/>
Length (default)	1000.00	=	<input type="checkbox"/>
Identity Data			
Assembly Code		=	
Type Comments	Lighting fixture to be multiplied to	=	
Cost		=	
Data sheet	http://prod-ilmas.s3-website-eu	=	
Description	Recessed linear lighting fixture alu	=	
Type Image		=	

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3. Inside the host project

3.1 How to import a .rfa file

3.2 Moving through the types



please refer to the instruction given above for what concern importing and working with imported Families. Accessories follow exactly the same processes previously illustrated.

3.3 Assembling profiles

Omnia profiles are used for cove lighting. OMNIA Accessories are designed to be assembled with GA/GB profiles. Use OMNIA Accessories to complete the configuration of your cove lighting project. Place the right element (depending on finishing colour and e.g. the cove width) where you need it on a ceiling/false ceiling. The software will automatically create an installing opening of the right size.



Final comments:



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

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These ones are necessary to complete all the possible combinations of the profiles.

What to look for:

- ① Internal Contoured Joint
- ② Contoured Joint
- ③ Contoured end-cap
- ④ Closing for direct Light



Please note that Accessories never contain Photometric files since they are Extruded aluminium elements to be assembled with GA/GB profiles. They serve as the closing part of a lighting cove or as angular joints.

Except for the *Internal Contoured Joint*, both the *Contoured Joint* and the *Contoured End-Cap* are provided in three versions depending on the cove width.

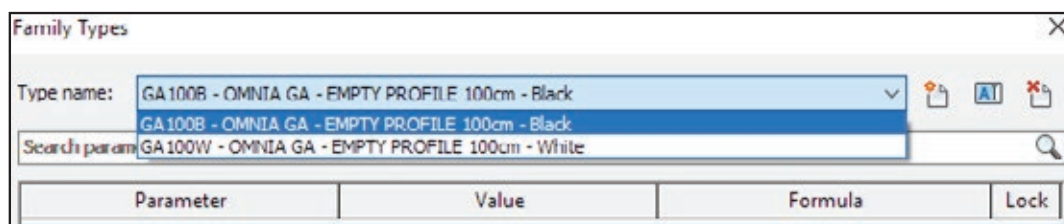


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Search parameters

Parameter	Value	Formula	Lock
Text			
Code	GA..... (code to complete)	=	
Available Extruded Profile Finishes	CLICK here for INFO ----->	=	
Available Driver	CLICK here for INFO ----->	=	
Materials and Finishes			
Extruded Profile	Black (rod.B)	=	
Electrical			
Commenti sul wattaggio		=	
Lampada		=	
Electrical Engineering			
Voltage	24.00 VA	=	
Dimensions			
Effective Length (default)	1000.00	= if(Length > 1000 mm, 1000 mm, if(<input type="checkbox"/>
Length (default)	1000.00	=	<input type="checkbox"/>
Identity Data			
Assembly Code		=	
Type Comments	Lighting fixture to be multiplied to	=	
Cost		=	
Data sheet	http://prod-ilmas.s3-website-eu	=	
Description	Recessed linear lighting fixture alu	=	
Type Image		=	

_3



3. Inside the host project

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Specifications:

The Accessory *Closing for direct light* is slightly different from the other since it is used to close the cove for direct light in case you don't need to use it. It works in the same way of an empty profile. It is available in three maximum length versions: 100cm/200cm/300 cm. You can edit every one of them in the given dimension range. The software will not stretch the geometry any further.



Final comments:



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