

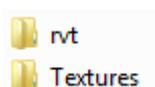
OWA Revit Library

Version 2025/01/05

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This document describes how to integrate the OWA Revit Library in your local Revit environment. The OWA library has been created in **Revit 2022** and can be used in Revit 2022 versions and higher.

1. Unzip the zip-File:



Unzip the zip-file **OWA_Revit_Library.zip** to any folder on your computer.



This folder contains 3 Revit projects:

2025_OWA_Revit_Ceilings_Library.rvt

This project contains all implemented OWA Revit ceiling types.

There are more than **440** OWA ceiling types available.

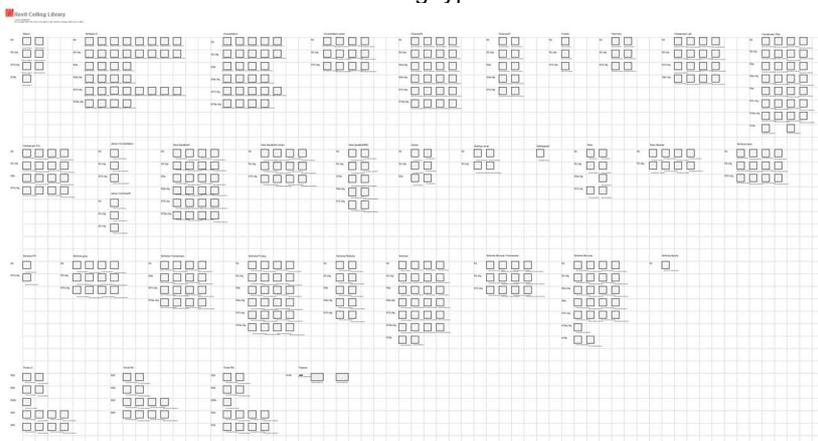


Fig.1 Ceiling Plan View in the file Revit Ceiling Library.rvt.

2025_OWA_Revit_Specialty Equipment Library.rvt

This project contains OWA Specialty Equipment families, i.e. canopies and wall boards. Please note the instructions in this project for behavior and placement options of the families.

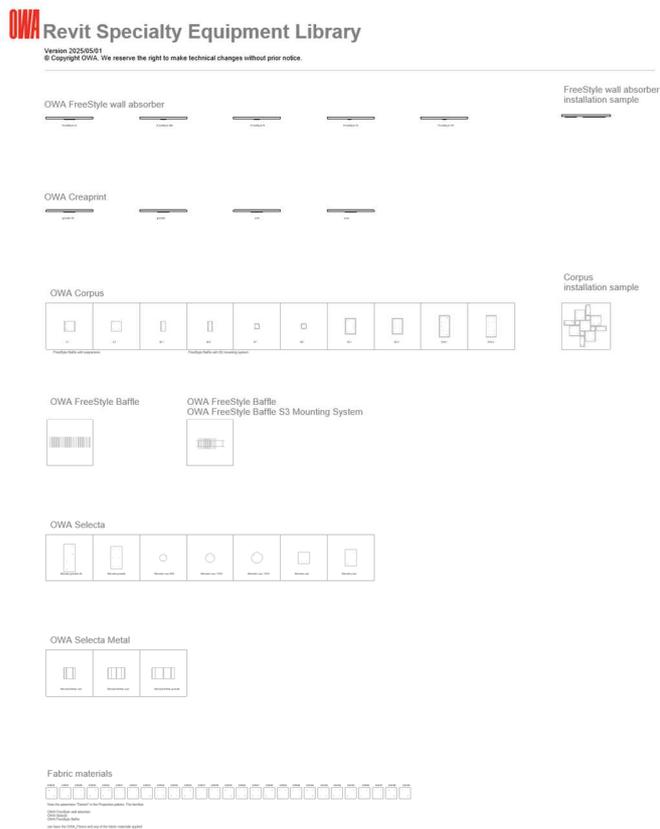


Fig.2 Plan View in the file Revit Specialty Equipment Library.rvt

2025_OWA_Revit_Lighting Fixtures Library.rvt

This project contains ceiling based OWA lighting fixture families.



Fig.3 Ceiling Plan View in the file Revit Lighting Fixtures Library.rvt

Textures

The folder */Textures* contains the jpg files for the OWA materials. The OWA materials utilize images and relief images.



Fig.4 OWA Textures

2. Set the additional Render Appearance Path in Revit

In order to display the custom OWA textures correctly in Revit with the Visual Style "Realistic" and in Revit renderings, you need to add the Additional Render Appearance Path for the OWA textures:

1. Run Menu Browser > Options
2. In the Options dialog, in the rendering tab, add the path where you have unzipped the textures as additional Render Appearance Path:

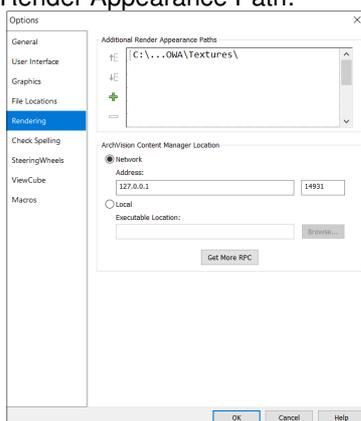


Fig.5 Revit Options Dialog

3. How to integrate OWA families in your project

As the OWA ceiling types, specialty equipment families and lighting fixtures families are fully integrated in the Revit environment, use the standard workflow to integrate the OWA families OWA in your project:

For ceiling types:

- Copy and Paste via Clipboard by selecting a ceiling in the drawing area or in the project browser
- Manage menu > Transfer project standards

For specialty equipment families and lighting fixtures families:

- Copy and Paste via clipboard by selecting a type in the drawing area or in the project browser
- Select a family in the project browser, run "Edit family" and copy the family from the family editor into your project.

4. OWA ceiling types structure

The OWA ceiling types are set up with 2 components. The structural part defines the minimal required space for the ceiling suspension system, the finish part shows the dessin with the customized OWA material. This layer is using also Model Fill Patterns for the grid structure.

Function	Material	Thickness	Wraps
1 Core Boundary	Layers Above Wrap	0.0	
2 Structure [1]	OWA_Ceiling Suspe	23.0	<input type="checkbox"/>
3 Core Boundary	Layers Below Wrap	0.0	
4 Finish 2 [5]	OWA_Bolero S3 625	15.0	<input type="checkbox"/>

Fig.6 OWA Ceiling Type Structure

5. OWA Schedules

The OWA type parameters for ceilings, Speciality Equipment and Lighting Fixtures families are also displayed schedule. The schedules are integrated in the OWA Revit projects.

Typ	Model	Acoustics - aw	Acoustics - NRC	Anti-Microbial	Ceiling Attenuation
A Bolero S3 625x625_15	OWAcoustic premium Bolero	0.85	0.85	None	30 dB
A Bolero S3 625x1250_15	OWAcoustic premium Bolero	0.85	0.85	None	30 dB
A Bolero S3 cliq 625x625_15	OWAcoustic premium Bolero	0.85	0.85	None	30 dB
A Bolero S3 cliq 625x1250_15	OWAcoustic premium Bolero	0.85	0.85	None	30 dB
A Bolero S15 cliq 625x625_15	OWAcoustic premium Bolero	0.85	0.85	None	30 dB
A Bolero S15 cliq 625x1250_15	OWAcoustic premium Bolero	0.85	0.85	None	30 dB
A Bolero S15b 625x625_15	OWAcoustic premium Bolero	0.85	0.85	None	30 dB
A Brillianto A S3 600x800_14	OWAcoustic premium Brillianto A	0.9	0.9	None	23 dB

Fig.7 OWA Ceiling Schedule

6. OWA Ceiling Type Properties

The ceiling types utilize the type properties parameters as shown in the example below.

The type names use the following naming convention:

OWA [Dessin][System][Grid Dimensions_Tile Thickness]

Type Parameters	
Parameter	Value
Construction	
Structure	Edit...
Thickness	38.0
Graphics	
Coarse Scale Fill Pattern	
Coarse Scale Fill Color	Black
Test	
CDPH	Yes
Ceiling Attenuation Class - CAC	30 dB
Cleanroom Rating (ISO 14644-1)	ISO 5 (ISO 14644-1)
Biosoluble RAL Quality Mark	Yes
Eco label - very low emissions Blue Angel	Yes
Grid Face	24.0
Main Tee per m ²	0.8 m
Cross Tee Long per m ²	1.6 m
Cross Tee Short per m ²	0.85
Hanger per m ²	0.7 pcs.
Clip in Profile per m ²	0 m
Cross Connector per m ²	0 m
Cradle to Cradle	Yes
Total Recycling Content acc. to LEED in %	7
Recyclable in %	100
Suspension System	OWAconstruct S3 24 mm Exposed Tee
ASTM E 84 / ASTM E 1264	(ASTM E84) class A (ASTM E1264)
Installation	see brochure 9801
Total Recycling Content in %	10.0
Data Sheet	DB_Bolero_e.pdf
Surface Finish	Fleece, white
ASTM E 1264 Form	Form 2
Declare	No
Green Tag	A
Recycling Program	Yes
Edge Profile	3
ASTM E 1264 Type	Type IV
French VOC	A+
Anti-Microbial	None
Carbon Footprint	4.5 kg/m ²
Warranty	10
MSDS	see http://www.owa.de
Humidity RH up to	up to 95 % RH, short-term
Acoustics - NRC	0.850000
Acoustics - α_w	0.850000
Subcategory	Exposed, Demountable
EPD	Yes
EN 13501-1 - Reaction to Fire	A2-s1,d0 (DIN EN 13501-1)
Light reflectance - LR	approx. 89 (ISO 7724-2 / ISO 7724-3)
EN 13501-2 - Resistance to Fire	see brochure 9501
Color	white (similar to RAL 9003)
HPD	Yes
Texture	fleece covered
Renewable Materials in %	9
CSI-Division	09 51 23 - Acoustical Tile Ceilings
ASTM E 1264 Pattern	Pattern E
Organic Binder	Yes
Total VOC - after 28 days - very low	< 5 µg/m ³
Material	mineral wool
EN 13964 - CE	Yes
m ² / Carton	4,6875
Maintenance	see brochure 9801
Layers	
Wall Angle per m ²	depending on the room size
Dimensions	
Length	625.0
Thickness	15.0
Width	625.0
Analytical Properties	
Heat Transfer Coefficient (U)	
Thermal Resistance (R)	
Thermal Mass	
Absorptance	0.100000
Roughness	1
Identity Data	
Type Image	
Keynote	
Model	OWAacoustic premium Bolero
Manufacturer	OWA
Type Comments	
URL	http://www.owa.de
Description	
Assembly Description	
Assembly Code	CS050110
Local URL	

Compound Ceiling

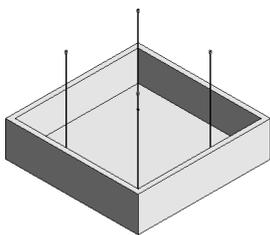
- OWA Bolero S3 625x625_15
- OWA Bolero S3 625x1250_15
- OWA Bolero S3 cliq 625x625_15
- OWA Bolero S3 cliq 625x1250_15
- OWA Bolero S15 cliq 625x625_15
- OWA Bolero S15 cliq 625x1250_15
- OWA Bolero S15b 625x625_15
- OWA Brillianto A S3 600x600_14
- OWA Brillianto A S3 600x600_20
- OWA Brillianto A S3 600x1200_14
- OWA Brillianto A S3 600x1200_20
- OWA Brillianto A S3 625x625_14
- OWA Brillianto A S3 625x625_20
- OWA Brillianto A S3 625x1250_14
- OWA Brillianto A S3 625x1250_20
- OWA Brillianto A S3 cliq 600x600_14
- OWA Brillianto A S3 cliq 600x600_20
- OWA Brillianto A S3 cliq 600x1200_14
- OWA Brillianto A S3 cliq 600x1200_20
- OWA Brillianto A S3 cliq 625x625_14
- OWA Brillianto A S3 cliq 625x625_20
- OWA Brillianto A S3 cliq 625x1250_14
- OWA Brillianto A S3 cliq 625x1250_20
- OWA Brillianto A S3a 600x600_14
- OWA Brillianto A S3a 600x1200_14
- OWA Brillianto A S3a 625x625_14
- OWA Brillianto A S3a 625x1250_14
- OWA Brillianto A S3a cliq 600x600_14
- OWA Brillianto A S3a cliq 600x1200_14

Fig.8 OWA Ceiling Type Properties / Ceiling Types in Projectbrowser

Appendix A

OWA Specialty Equipment families

The following specialty equipment families are available with varies type dimension settings and instance properties:



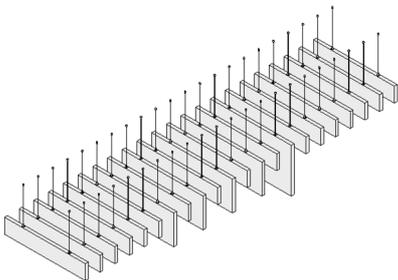
OWA Corpus

- L1
- L2
- M1
- M2
- S1
- S2
- XL1
- XL2
- XXL1
- XXL2



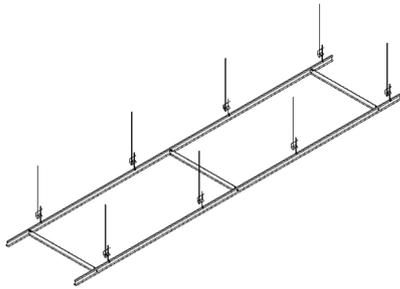
OWA Creaprint

- grande
- grande XL
- one
- plus



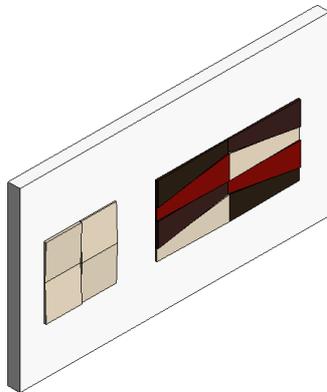
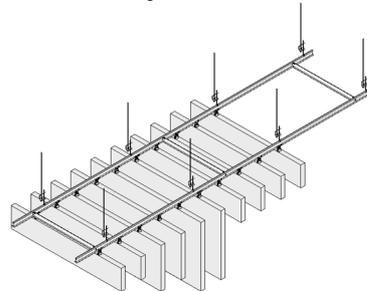
OWA FreeStyle Baffle

- FreeStyle L
- FreeStyle L for S3
- FreeStyle M
- FreeStyle M for S3
- FreeStyle S
- FreeStyle S for S3



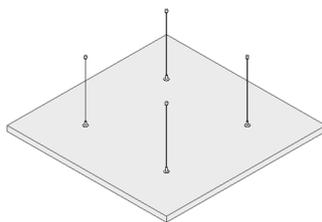
OWA FreeStyle Baffle S3 Mounting System

- OWA FreeStyle Baffle S3 Mounting System



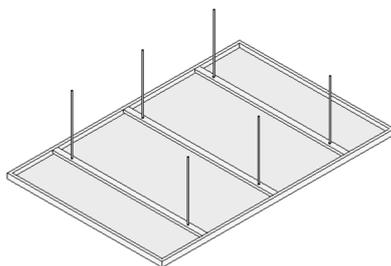
OWA FreeStyle wall absorber

- FreeStyle Q
- FreeStyle QS
- FreeStyle R
- FreeStyle TL
- FreeStyle TR



OWA Selecta

- Selecta grande
- Selecta grande XL
- Selecta loop 800
- Selecta loop 1000
- Selecta loop 1200
- Selecta one
- Selecta plus

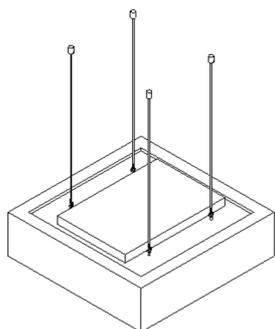


OWA Selecta Metal

- Selecta Metal grande
- Selecta Metal one
- Selecta Metal plus

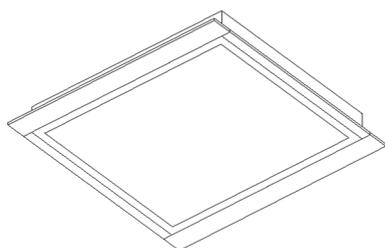
Appendix B supplied by OWA Lighting Fixtures families

The following lighting fixtures families are available with varies type dimension settings. The lighting fixtures have electrical and rendering data such as ies files (photometric web files) integrated.



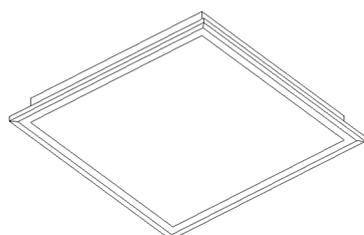
OWA Corpus LED

- Corpus Q1 520x520x150
- Corpus Q1 520x520x150 tunable white
- Corpus Q2 520x520x300
- Corpus Q2 520x520x300 tunable white



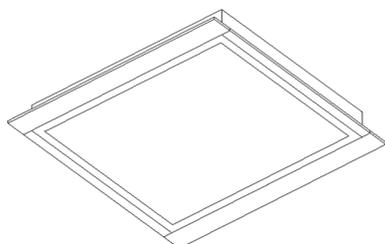
OWA Lifetime LED

- 300x1200x75
- 312.5x1250x75
- 600x600x75
- 625x625x75



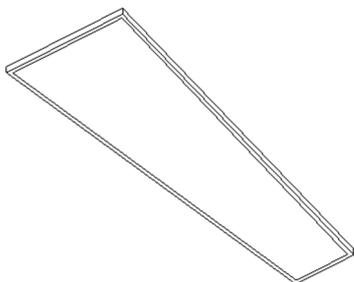
OWA Lifetime plus LED

- 625x625x75 micro prismatic IP40
- 625x625x75 micro prismatic IP54
- 625x625x75 satin finish IP40
- 625x625x75 satin finish IP54



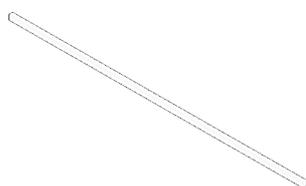
OWA Standard LED

- 625x625x75



OWA Trapeze LED

— 400/200x1200x83 Trapeze LED A satin finish



OWAlight LED Track

— 14.3x600x38 OWAlight 1
— 14.3x1200x38 OWAlight 2
— 14.3x1200x38 OWAlight 3
— 14.3x1200x38 OWAlight 3a