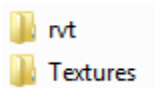# OWA Revit Library

Version 2019/08/01

© Copyright OWA. We reserve the right to make technical changes without prior notice.

This document describes how to integrate the OWA Revit Library in your local Revit environment. The OWA library has been created in **Revit 2017** and can be used in Revit 2017 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:

Revit Ceiling Library.rvt

This project contains all implemented OWA Revit ceiling types.
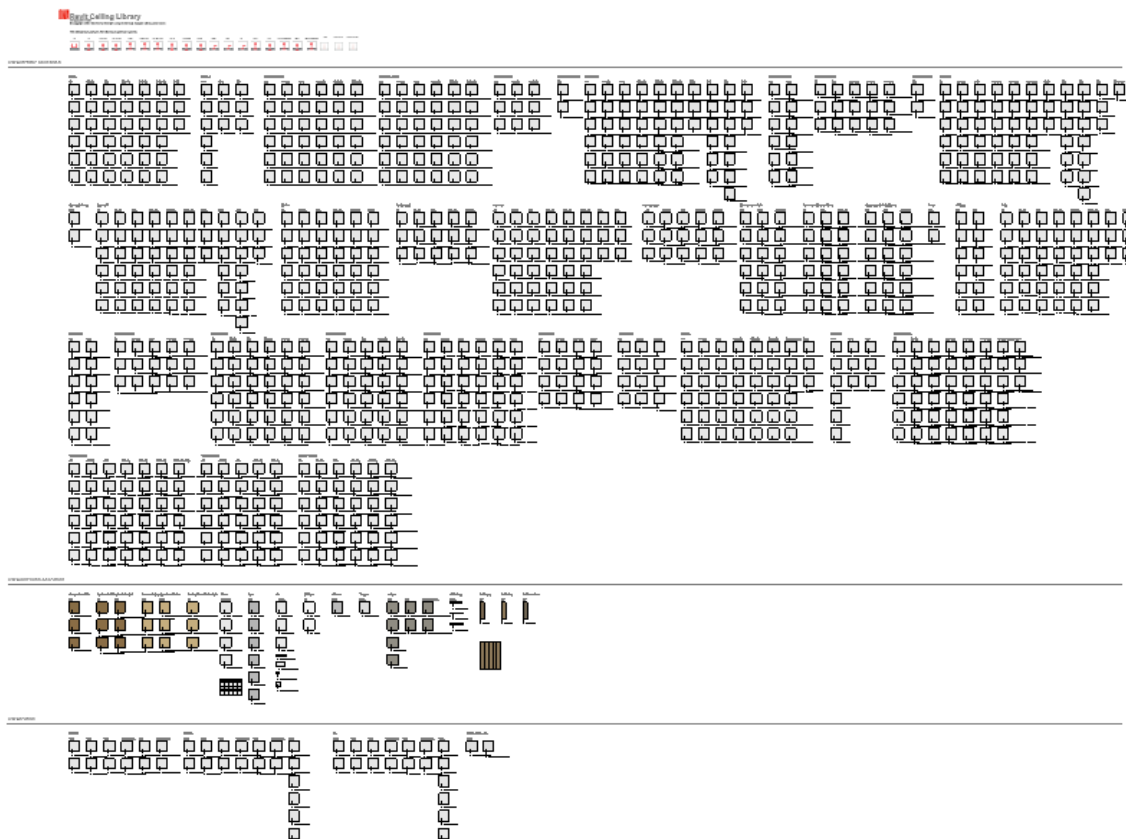There are more than 1000 OWA ceiling types available.

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

� 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.
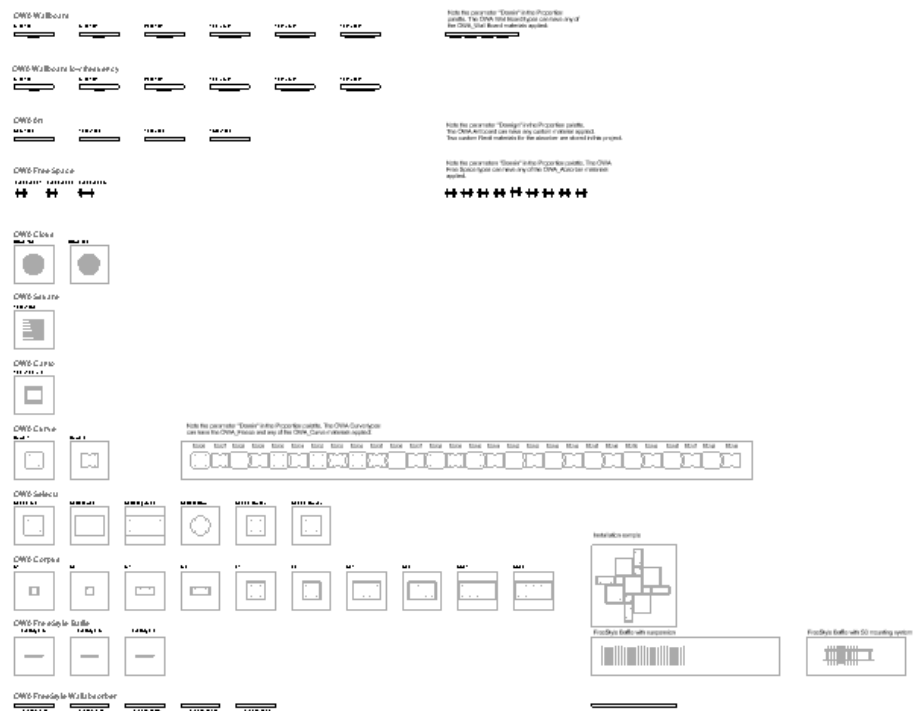

Fig.2 Plan View in the file Revit Specialty Equipment Library.rvt

Revit Lighting Fixtures Library.rvt

This project contains ceiling based OWA lighting fixture families.

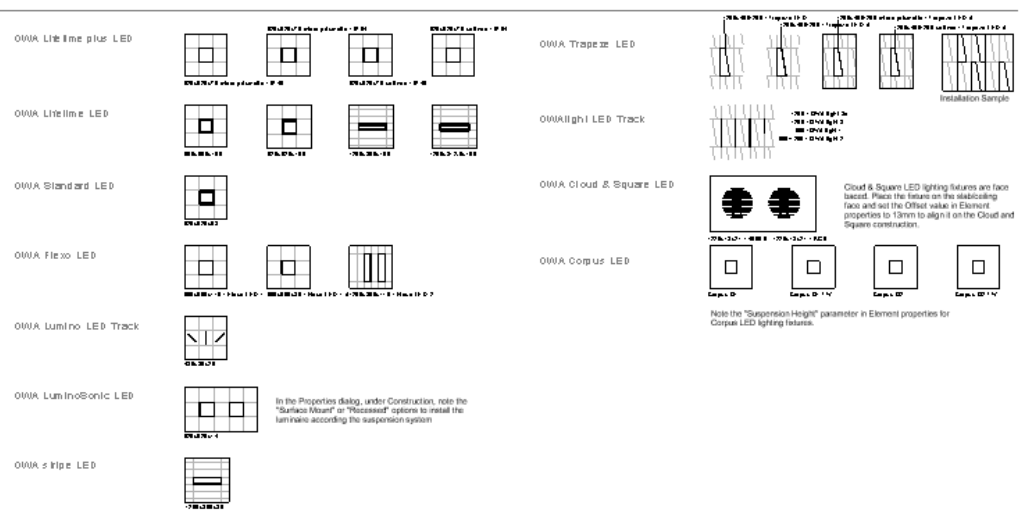*Fig.3 Ceiling Plan View in the file Revit Lighting Fixtures Library.rvt*

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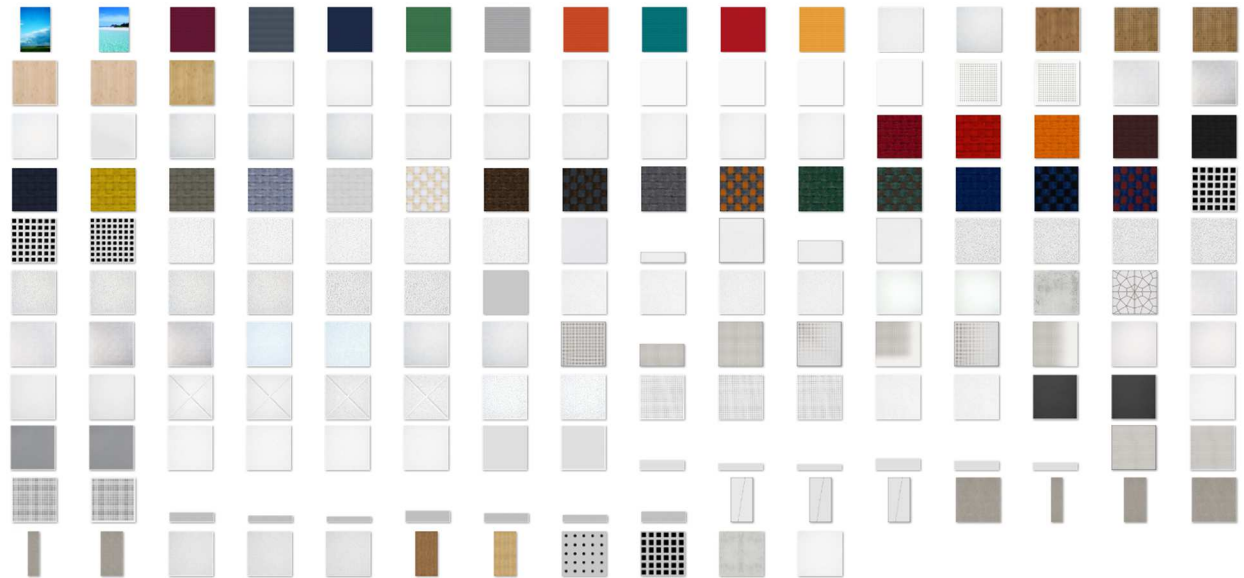

Fig.4 OWA Textures

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
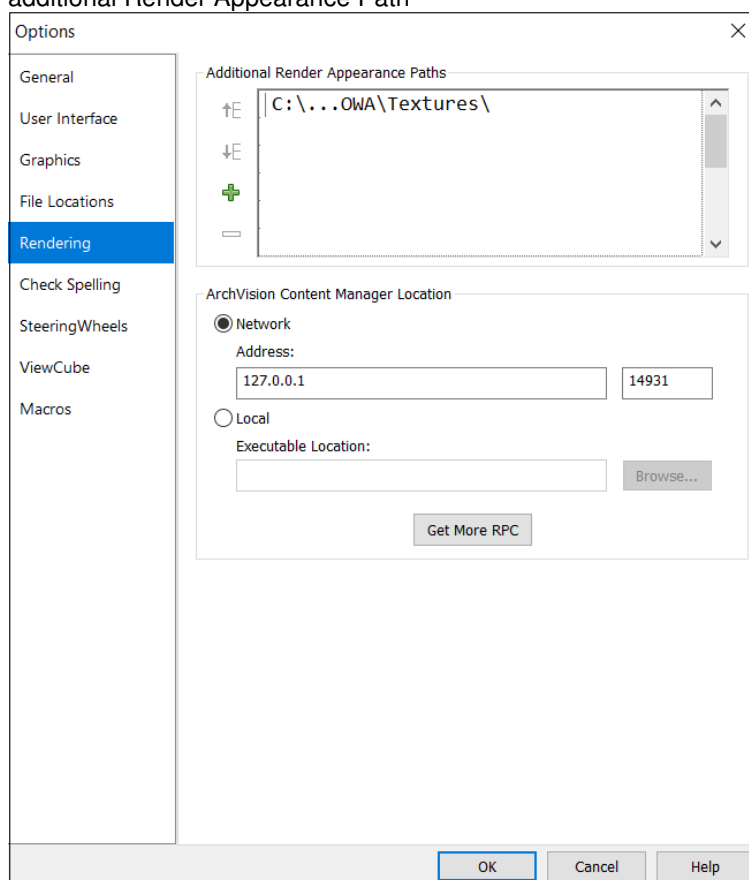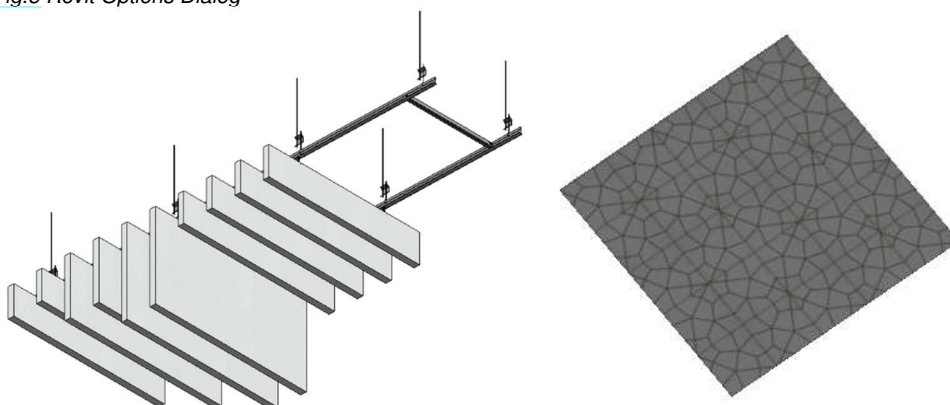

Fig.5 Revit Options Dialog

Fig.6 OWA FreeStyle Baffle, OWA Oriental in Realistic View

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.
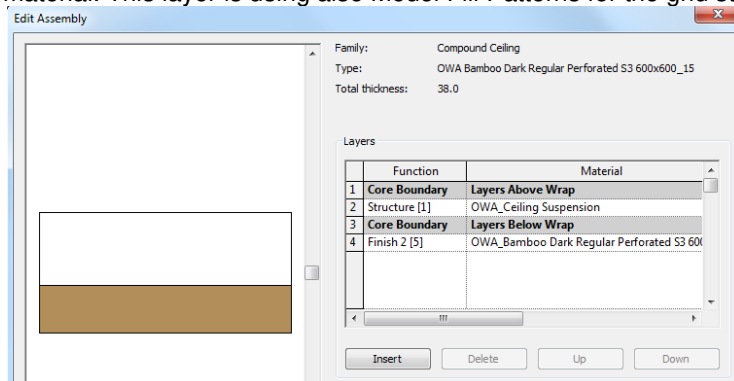

Fig.7 OWA Ceiling Type Structure

5. OWA Schedules

The OWA type parameters for ceilings, Speciality Equipment and Lighting Fixtures famiies are also displayed schedule. These schedules are integrated in the OWA Revit project s.

Fig.8 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]

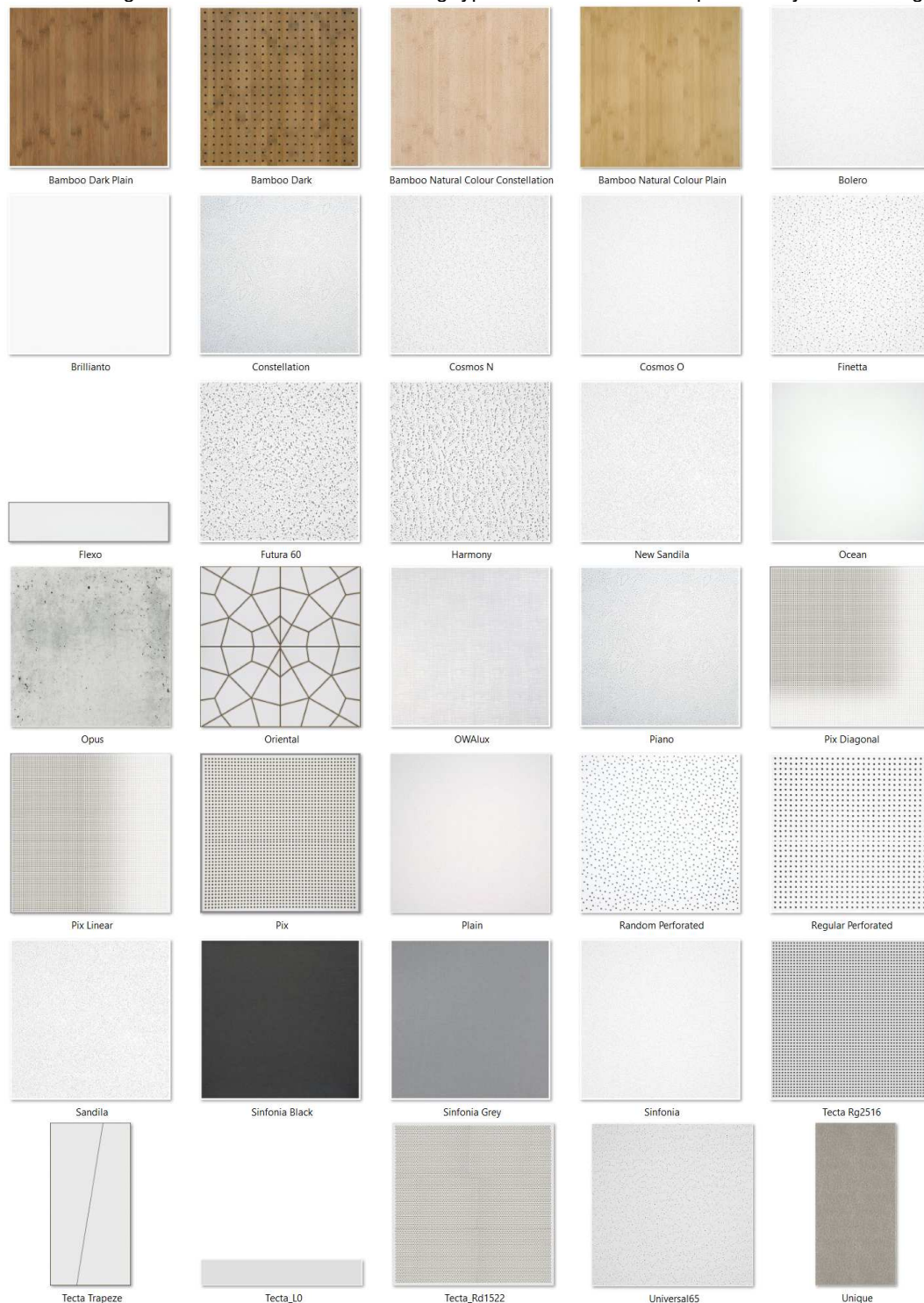| Construction	
Structure	Edit...
Thickness	38.0
Acoustics - NRC	0.850000
Acoustics - ow	0.850000
Anti-Microbial	None
Cleanroom Rating	None
DIN 18177 - Formaldehyd	FH I
DIN 18177 - TVOC	TVOC I
DIN 18177 - Air Permeability	PM I
Light reflectance - LR	On request
Total VOC - after 28 days - very l	< 5 μg/m³
Formaldehyde - very low	< 5 μg/m³
Eco-Label - very low emissions	Blue Angel
Process	Wet-formed
Edge Profile	15b
Subcategory	Exposed, Demountable
Suspension System	OWAconstruct S15b 15 mm Expo
Humidity RH up to	95 %
Ceiling Attenuation Class - Dn,f,	33 up to 49 dB
Acoustics - SRA	0.850000
Graphics	
Coarse Scale Fill Pattern	
Coarse Scale Fill Color	Black
Materials and Finishes	
Biosoluble - RAL Quality Mark	☑
Color	Printed surface
Material	Mineral tile
Recycled Content - LEED	25 %
Recycled Content - Total	32 %
Surface Finish	Factory applied paint
Layers	
Hanger per m²	0.700000
Main Tee per m²	0.830000
Cross Tee Short per m²	0.830000
Cross Tee Long per m²	1.660000
Dimensions	
Width	600.0
Length	600.0
Thickness	15.0
Grid Face	15.0
Identity Data	
Keynote	
Model	OWAconsult® collection Orienta
Manufacturer	OWA
Type Comments	
URL	http://www.owa.de
Description	
Assembly Description	Suspended Ceilings - Acoustical
Assembly Code	C3030210
Type Mark	
Cost	
ASTM E 1264 Form	2
ASTM E 1264 Pattern	EH
ASTM E 1264 Type	III
Product Line	OWAconsult® collection
EN 13964	CE
Fire Protection	
ASTM E 84 / ASTM E 1264	Class A
EN 13501-1 - Reaction to Fire	A2-s1,d0
EN 13501-2 - Resistance to Fire	On request

Compound Ceiling
- OWA Bamboo Dark Plain S3 600x600_15
- OWA Bamboo Dark Plain S3 610x610_15
- OWA Bamboo Dark Plain S3 625x625_15
- OWA Bamboo Dark Regular Perforated S3 600x600_15
- OWA Bamboo Dark Regular Perforated S3 610x610_15
- OWA Bamboo Dark Regular Perforated S3 625x625_15
- OWA Bamboo Dark Regular Perforated S19 600x600_20
- OWA Bamboo Dark Regular Perforated S19 610x610_20
- OWA Bamboo Dark Regular Perforated S19 625x625_20
- OWA Bamboo Natural Color Constellation 3 S3 600x600_15
- OWA Bamboo Natural Color Constellation 3 S3 610x610_15
- OWA Bamboo Natural Color Constellation 3 S3 625x625_15
- OWA Bamboo Natural Color Constellation 3 S19 600x600_20
- OWA Bamboo Natural Color Constellation 3 S19 610x610_20
- OWA Bamboo Natural Color Constellation 3 S19 625x625_20
- OWA Bamboo Natural Color Plain S3 600x600_15
- OWA Bamboo Natural Color Plain S3 610x610_15
- OWA Bamboo Natural Color Plain S3 625x625_15
- OWA Bolero c S9a 600x600_20
- OWA Bolero c S9a 610x610_20
- OWA Bolero c S9a 625x625_20
- OWA Bolero c S9b 600x600_20
- OWA Bolero c S9b 610x610_20
- OWA Bolero c S9b 625x625_20
- OWA Bolero c S19 600x600_20
- OWA Bolero c S19 600x1200_20
- OWA Bolero c S19 610x610_20
- OWA Bolero c S19 610x1220_20
- OWA Bolero c S19 625x625_20
- OWA Bolero c S19 625x1250_20
- OWA Bolero S3 600x600_15

Fig.9 OWA Ceiling Type Properties / Ceiling Tpes in Projectbrowser

Appendix A
OWA Dessins

The following dessins are available as ceiling types with the varies suspension systems and grid dimensions:

Bamboo Dark Plain	Bamboo Dark	Bamboo Natural Colour Constellation	Bamboo Natural Colour Plain	Bolero
Brillianto	Constellation	Cosmos N	Cosmos O	Finetta
Flexo	Futura 60	Harmony	New Sandila	Ocean
Opus	Oriental	OWAlux	Piano	Pix Diagonal
Pix Linear	Pix	Plain	Random Perforated	Regular Perforated
Sandila	Sinfonia Black	Sinfonia Grey	Sinfonia	Tecta Rg2516
Tecta Trapeze	Tecta_L0	Tecta_Rd1522	Universal65	Unique

Appendix B
OWA Specialty Equipment families

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

OWA Art
- 800x1200
- 1000x1500
- 1200x800
- 1500x1000
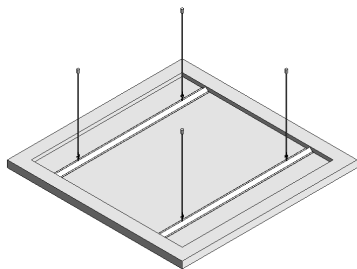
OWA Canto
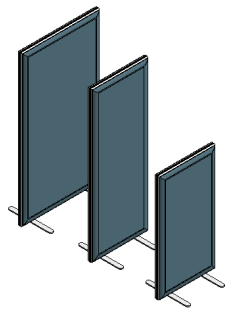- 1024x1024x40
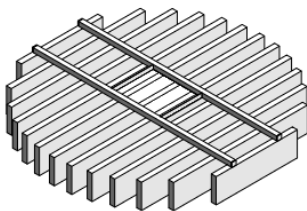
OWA Cloud
- Cloud 150
- Cloud 200
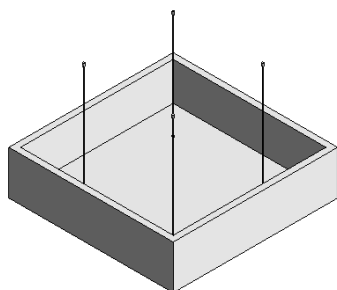
OWA Corpus
- L1
- L2
- M1
- M2
- S1
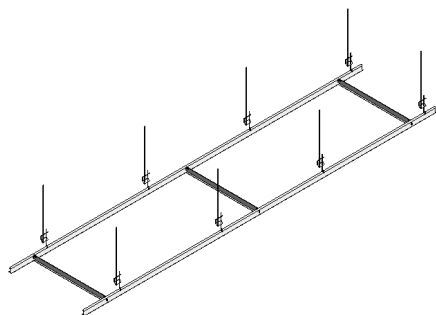- S2
- XL1
- XL2
- XXL1
- XXL2
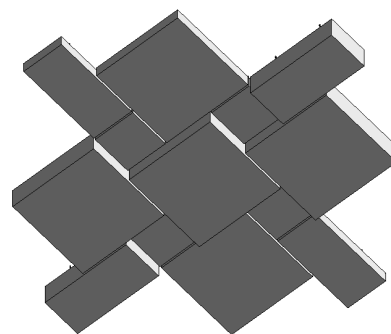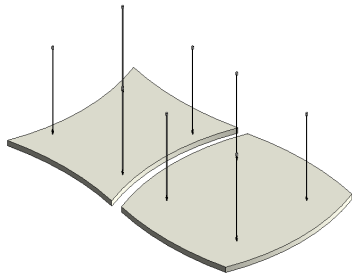
OWA Curve
Curve 1
Curve 2
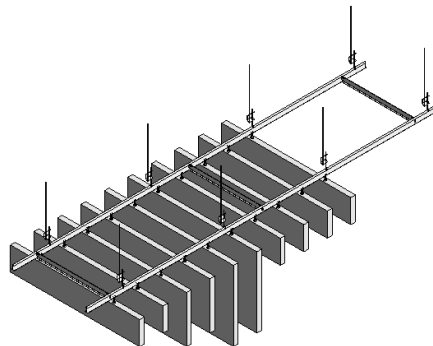
OWA Free Space
Free space 1
Free space 2
Free space 3
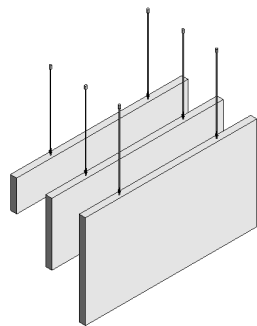
OWA FreeStyle Baffle
FreeStyle L
FreeStyle L for S3
FreeStyle M
FreeStyle M for S3
FreeStyle S
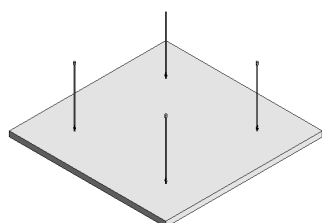FreeStyle S for S3

OWA FreeStyle Baffle S3 Mounting System
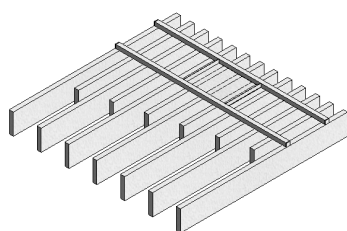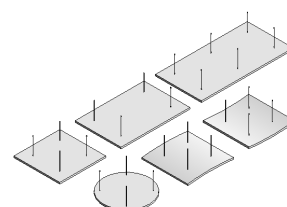OWA FreeStyle Baffle S3 Mounting System
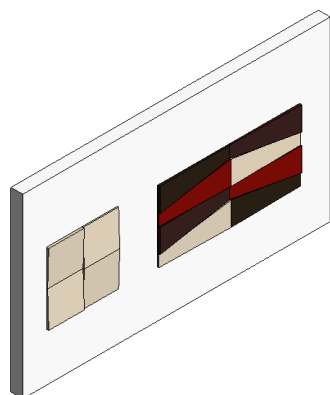
OWA FreeStyle Wallabsorber

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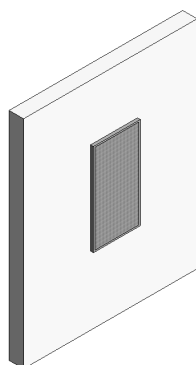- FreeStyle R
- FreeStyle TL
- FreeStyle TR

OWA Selecta

- Selecta concav
- Selecta convex
- Selecta grande
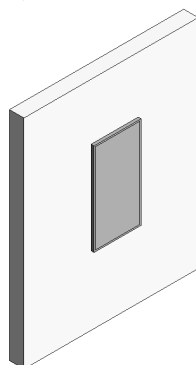- Selecta loop
- Selecta one
- Selecta plus

OWA Square

- 1200x1230

OWA Wallboard

- 649x1274
- 649x1794
- 909x1794
- 1274x649
- 1794x649
- 1794x909

OWA Wallboard low frequency

- 649x1274
- 649x1794
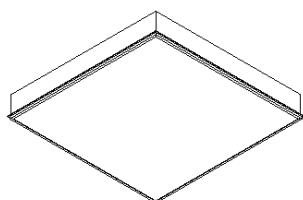- 909x1794
- 1274x649
- 1794x649
- 1794x909

Appendix C
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.
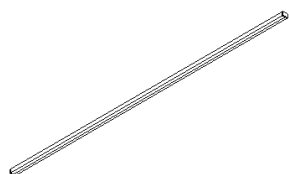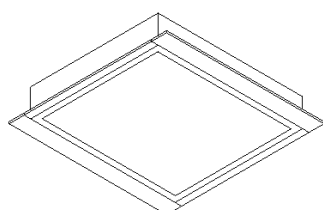
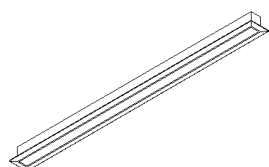**OWA Cloud & Square LED**
- 1220x18x21 - 4000 K
- 1220x18x21 - RGB

OWA Flexo LED
- 600x600x85 - Flexo LED 1 A
- 600x600x110 - Flexo LED 1
- 1200x300x110 - Flexo LED 2

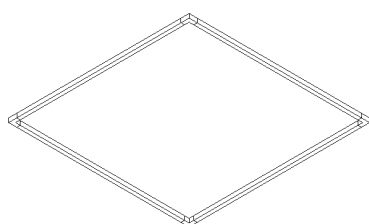**OWA Lifetime LED**
- 600x600x105
- 625x625x105
- 1200x300x105
- 1250x312.5x105

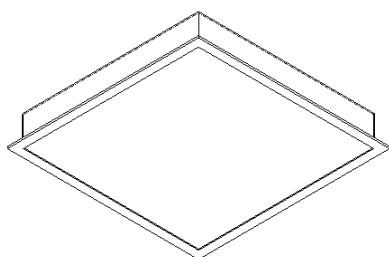**OWA Lumino LED Track**
- 480x35x25

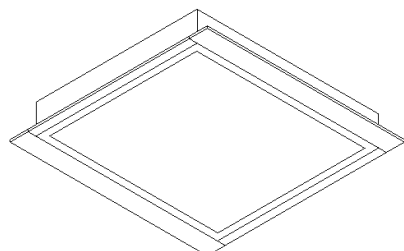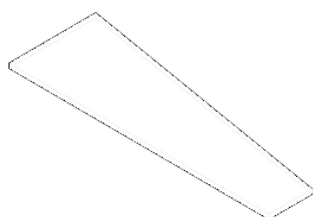**OWA LuminoSonic LED**
- 625x625x14

OWA Lifetime plus LED
- 625x625x75 micro prismatic - IP40
- 625x625x75 micro prismatic - IP54
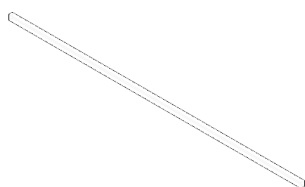- 625x625x75 satined - IP40
- 625x625x75 satined - IP54
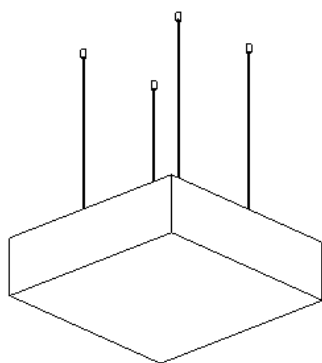
![OWA logo]

OWA Standard LED
- 625x625x93

OWA Trapeze LED
- 1200x400/200 - Trapeze LED
- 1200x400/200 - Trapeze LED A
- 1200x400/200 micro prismatic - Trapeze LED A
- 1200x400/200 satined - Trapeze LED A

OWAlight LED Track
- 600 -OWAlight 1
- 600/1200 - OWAlight 2
- 1200 - OWAlight 3
- 1200 - OWAlight 3a

OWA Corpus LED
- Corpus Q1
- Corpus Q1 TW
- Corpus Q2
- Corpus Q2 TW