

MATERIAL PALETTE

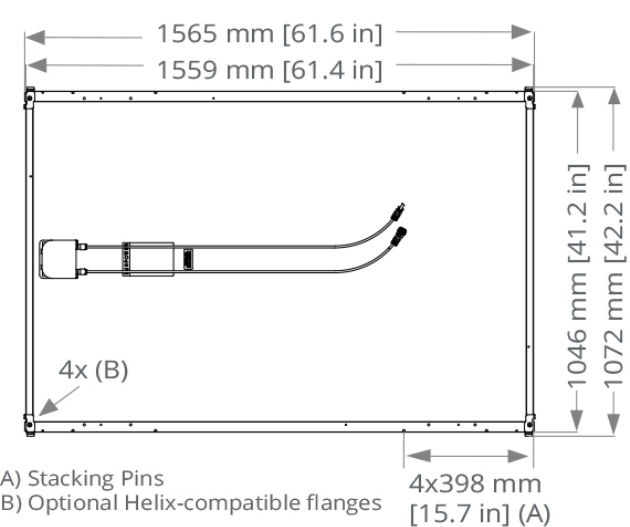


Solar Panels

SunPower® X-Series
Commercial Solar Panels
| X22-360-COM

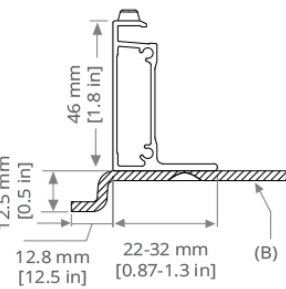
Nominal Power: 360W
Avg Panel Efficiency:
22.2%

Solar Cells: 96
Monocrystalline
Maxeon Gen III



Source: SunPower®
<http://us.sunpower.com/sites/sunpower/files/media-library/data-sheets/ds-x22-series-360-commercial-solar-panels-helix-compatible.pdf>

FRAME PROFILE



Wind Turbines

EddyGT Wind Turbines
Vertical Axis
Urban Green Energy



Source: Inhabitat
<http://inhabitat.com/eddy-gt-wind-turbine-is-sleek-silent-and-designed-for-the-city/wind-turbine-eddy-u/>

Height: 2.7m
Width: 1.8 m
Material: Carbon Fiber and Fiberglass
Cut-in Wind Speed: 3m/s
Cut-out Wind Speed: 30 m/s
Annual Energy at 5 m/s: 1250 kWh

Source: Urban Green Energy
http://urbangreentechnology.com/data/brochure/gt/eddyGT_Specs.pdf

Stainless Steel Reflective Finish

Reflective Stainless Steel Sheets used to cover the structural
pillars



Source: <http://www.trendir.com/house-design/mirrored-cabin-reflects-landscape-as-it-materializes-in-and-out-of-view.html>

Inspirational Picture for the Structural pillars of the installation. The pillars reflect the surrounding landscape and each other, creating a multidimensional intriguing visual effect.
Source: <http://www.trendir.com/house-design/mirrored-cabin-reflects-landscape-as-it-materializes-in-and-out-of-view.html>

Black Glass Curtain Wall

Reflective Stainless Steel Sheets used to cover the structural
pillars.



Source: https://www.flickr.com/photos/uncle_buddha/4766528832

Inspirational Picture for the art installation, reflecting contemporary building trends.
Black Glass Curtain Wall is specifically used throughout the installation wherever solar panels are not efficient.

Tetra® Contour LED Lighting System

LED light system installed within the space frame structure
to highlight the installation during night time.



Source: <http://www.gelighting.com/LightingWeb/na/solutions/indoor-lighting/tetra-contour-architectural.jsp>

SeaWater Pump

Mounted on the truss structure above water level. The pump takes
water up to the jets to release the water through the 'leaks'.
Flow rate approx: 100L/min

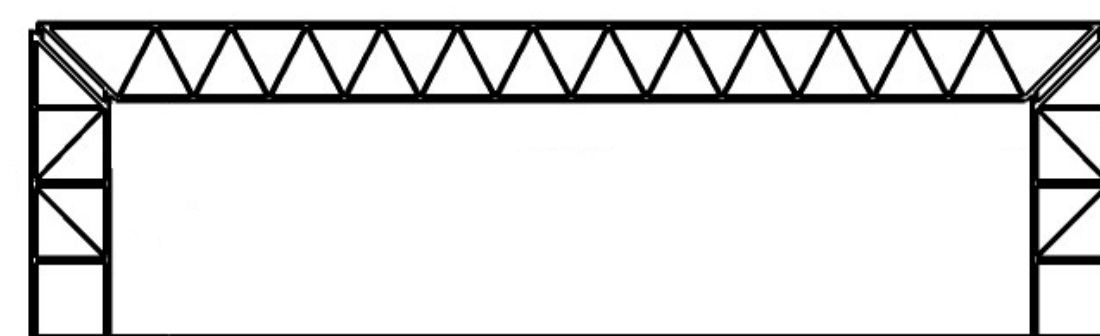


Truss

Truss to create the structure of the space frame that holds the installation together.



Source: http://www.ac-et.com/rigging/products/truss_and_structures/rectangular_truss_377/LIRI-105200A.asp



Structural Detail of the 'pipelines' is similar. The solar panels, glass and lights are mounted on the truss structure.

Source: <http://www.arch.ttu.edu/courses/2013/fall/3501/Students/Janssen/04/Default.htm>