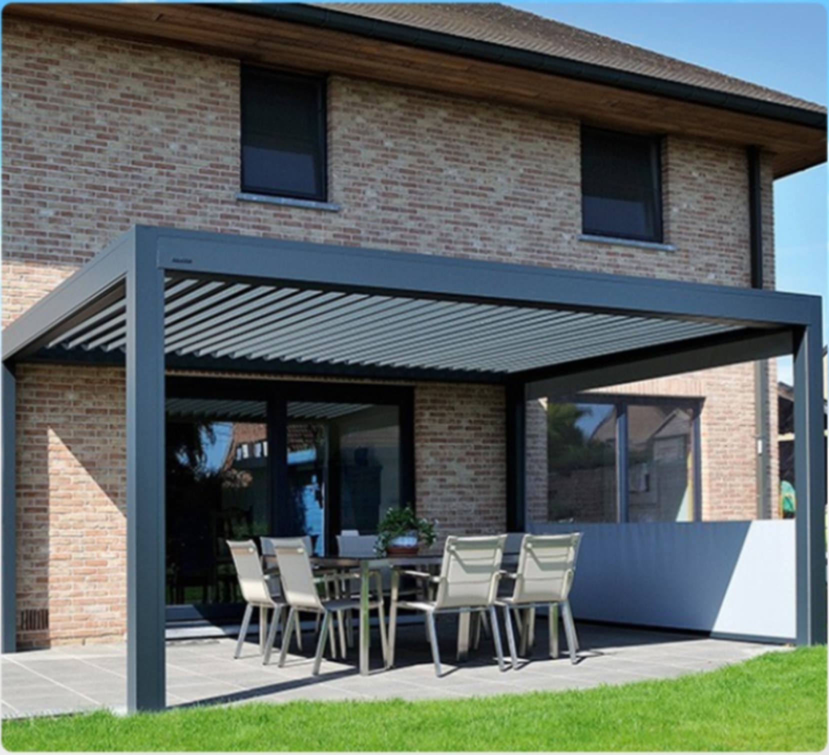
TOMA HEAVY DUTY ALUMINIUM PERGOLA/ ROOF LOUVER WITH DRAINAGE

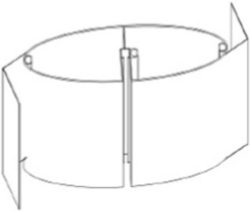
Specializing in the production of high quality aluminium products



FOR THE BEST OF YOUR WEATHER

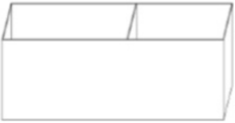
100% WATERPROOF/ SUNSHADE ALUMINIUM PERGOLA

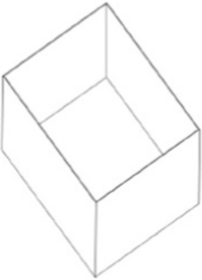
100 Degree Rotation Aluminum Construction Rain Protection Heat Control Ventilation Control



01
Louver blade
202mm*51mm*2mm

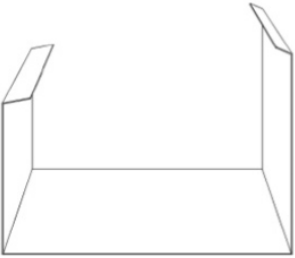
02
Main Beam
230mm*39mm*2mm





03
Post
150mm*150mm*2mm

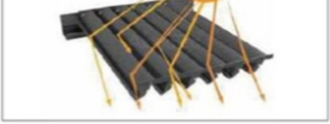
04
Gutter

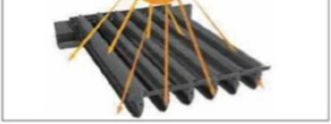


STRUCTURAL DESCRIPTION

Vanguard solutions Opening Roof Consists of

1.Extruded aluminium louver(with groove for lighting)
2.Aluminium beams,gutters,heavy- duty internal fittings
3.Posts and base plate
4.Blade end cap,pivot bolt
5.Plastic bush,controlarm
6.Motor arm connector
7.Custom made bracket
8.Inbuilt downpipe
9.Electric motor
10.Rain wind sensor
11.Electric heater(optional)
12.Motorised side screen(optional)



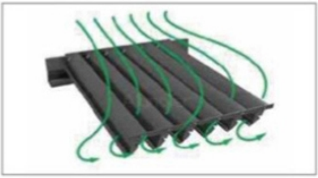


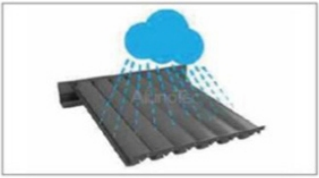
OPEN AT AN ANGLE

Hot air rises so you can leave thelouvres partially open . Tilt the louvressuch that the sun is blocked out butne warm air escapes through theopening at the louvres thus Keepingace cool

FULLY OPEN

winter or cooler weather enjoy the natural warmth of sunlight by tilting louvres to the desired angle with fingertip touch of your remote control





VENTILATION

With louvres opened at a desired angle , protection is stlill provided for light brain penertration meanwhileventilation and shade protection Is still achieved.

CLOSED FOR HEAVY RAIN

Louvres are designed such they will Interlock to keep out the weather. Deep channels in each louvre carry water away to the in-built surrounding gutter.

DESING ANGLE(0-100)

Open at an Angle

Hot air rises you can leave the louvers partially opened Tilt the louvers such that the sun is blocked but the warm air can escape through the opening at the louvers thus keeping the place cool

Ventilation

With louvers opened at a desired angle, protection is still provided for light rain meanwhile ventilation and shade protection is still achieved.

Fully open

In winter or cooler weather enjoy the natural warmth of sunlight by tilting the louvers to the desired angle with the fingertip touch of your remote control.

Closed for heavy rain

Louvers are designed such that they will interlock to keep out the weather. Deep channels in each

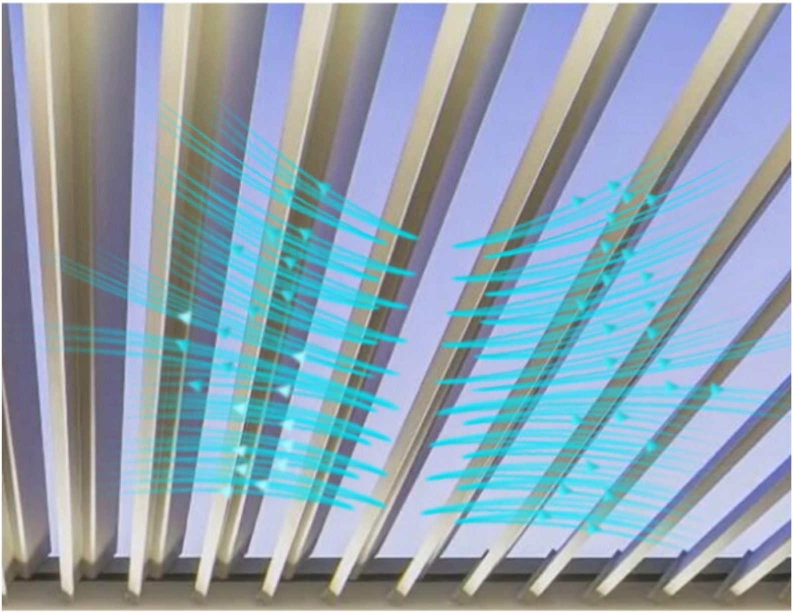
louvers carry water away to the in-built surrounding gutter.

SPECIFICATION

1.Material:Aluminium alloy 6063-T5
2.Sizes:The sizes is available custom made according to customers' request.
3.Finish:Powder coated (warranty 3-5 years) & PVDF (waranty 7-10 years)
4.Colors:WhiTE,DARKLY GREY, other colors ARE ALSO available
5.Optional Accessories:Side curtains/LED Ligh/Wind and rain sensorHeater, etc
6.Rainfall intensity:0.04 to 0.051/s/m2
7.Snow load:Up to 160 kg/m2
8.Wind resistance:Up to 180 kmh for closed blades
9.Delivery time:Usual 15-20 days afer payment received and drawings confirmed
10.Installation:The installation instruction or video will provided

VENTILATION CONTROL

During summer days when hot air rises you can leave the louvers partially opened.
Tilt the louvres such that the sun is blocked but the warm
air can escape through the opening the louvers thus keeping the place cool.



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7. Custom made bracket
8.Inbuilt downpipe
9. Electric motor
10. Rain wind sensor
11. Electric heater(optional)
12. Motorised side screen(optional)

MOTORISED SIDE SCREEN

The Structures can also be supplemented with new side screens which are motorised and operated by special guides and closures which completely cover a space

ELECTRIC HEATER

During the summer we spend hours huddled under the shade of our pergolas to avoid the hot sun, but should we just abandon these spaces as the weather starts to cool off? You don’t have to, if you install overhead heaters that will extend the season.

LIGHTING OPTIONS

Open Roof's Linear Strip LED Lights allow you to create a comfortable atmosphere at night time

RAIN WIND SENSOR

Open Roof's Linear Strip LED Lights allow you to create a comfortable atmosphere at night time

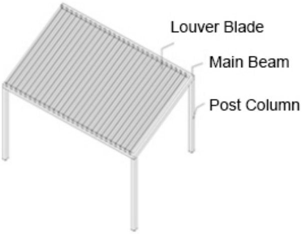
DIFFERENT INSTALLATION MODES

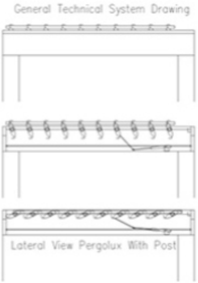
FREE STANDING

A free Standing option can be easily installed in any location that suits. Simply secure the 4 upright posts which the supports the main beams and TOMA System

DEDIGN OPTION 1

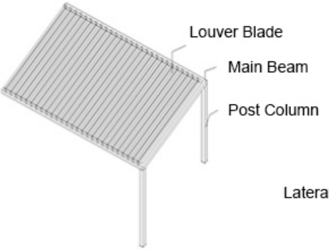
Free Standing



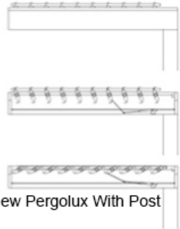

General Technical System Drawing
Lateral View Pergolux With Post

FREE STANDING AND WALL MOUNTED

This option allows for mounting partially onto an existing wall and then supported at other end with post to suit.



General technical System Drawing



Lateral View Pergolux With Post

DEDIGN OPTION 2

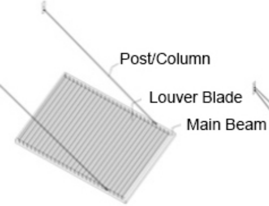
Free Standing &Wall Mounted

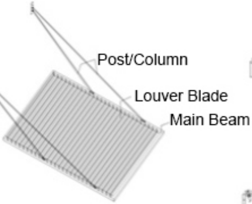
WALL HANGING

This option allows for mounting partially onto an existing wall and then supported by either single or double tension arms.

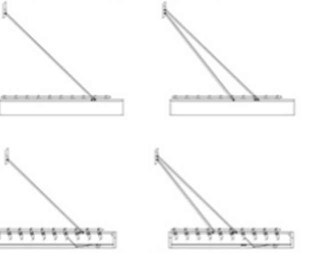
DEDIGN OPTION 3

Wall Hanging





General Technical system Drawing



Lateral View Peraolux With Single Tension Arms

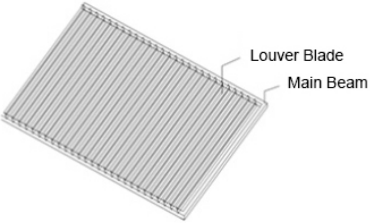
Lateral View Peraolux With Double Tension Arms

FITTING INTO AN EXISTING STRUCTURE

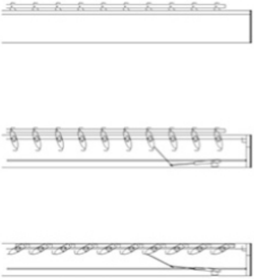
This option allows for mounting within an existing structure

DEDIGN OPTION 4

Fitting Into Exisina Structure



General Technical system Drawing



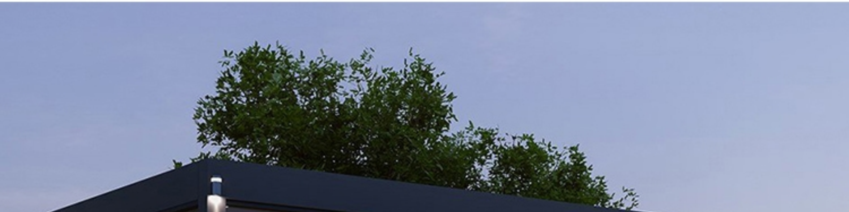
Lateral View Peraolux With Post

STANDARD COLORS

RAL 9016 Traffic White

RAL 7016 Anthracite Grey

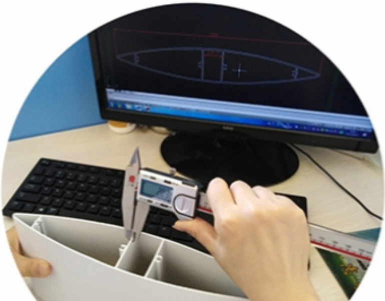
REAL ENVIRONMENT

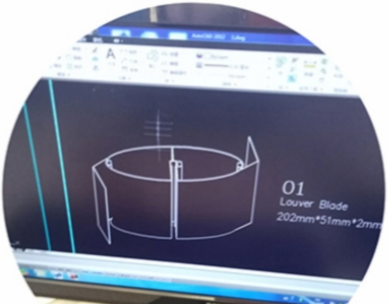


Skyline Hotel

PRODUCTION LINE

CAL
ZERO
66.4





DESIGN OF LOUVER BLADE

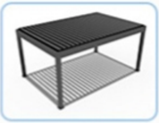
ORIGINAL MEASUREMENT DRAWING OF WING LOUVER BLADE

EXHIBITION HALL

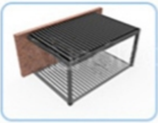
OUR CERTIFICATE

DESIGN OPTIONS

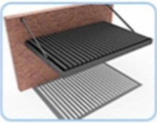
We have many design options to all kinds of situations, customized sizes are available.



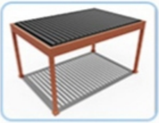
① Free Standing



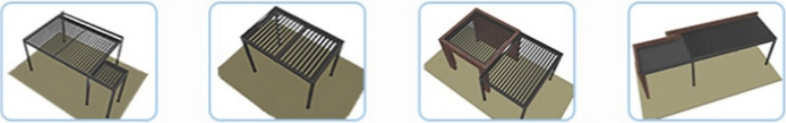
② Free Standing & Wall Mounted



③ Wall Hanging



④ Fitting into Existing Structu



⑤ Non-Standard Combination

YOUR SIZE . IN YOUR DESIGN - MADE TOMEASURE . BESPOKE DIY KITS

We offer DIY kits that come with a full set of Assembly instructions, delivered safely in two wooden crates to ensure shipment is not compromised. A simple assembly video is shown
The DIY package comes within two plywood crates ensuring delivery without compromise

As an example: The 4m x 3m DIY kit comes in two crates 3.12m x .68m x .50m (weighs 292kg) 4.23m x .53m x .55m (weighs 233kg)

OpenRoofs
By
Opening Roof Pergolas

STEP BY STEP
PERGOLA ASSEMBLY

OpenRoofs
By
Opening Roof Pergolas

STEP BY STEP
PERGOLA ASSEMBLY

STEP 1m
LAYOUT COMPONENTS

TOOLS REQUIRED

ORDER PROCESS

Make an order — Advance deposit — Appointment survey — Design a drawing

Production — Field installation — Settle the balance — Worry free after sales

WHY CHOOSE OUR FACTORY?

- ☑ Offer competitive and reasonable price.
- ☑ Professional technical and design team by qualified enginner.
- ☑ Delivery without delay.
- ☑ Good after-sale service.

WE HAVE OUR OWN

- Extruded aluminum profiles production line;
- Painting Dept. (For aluminum profiles);
- Mould Making Dept. (For the plastic square parts);
- Plastic Square Parts Injection Dept;
- Assembling & Packing Dept;
- The Warehouse

COMPANY PROFILE

TOMA group is a leading manufacturer with more than 16 years' manufacturing and exporting experience, located in Shanghai and Hunan,China.It covers size 66700 square meters.

Our products are aluminium profiles, roller shutters, aluminium windows doors, aluminium louvers,aluminium railings and gates,container houses,PVC claddings.

We have our own aluminium profiles production line and powder coating line,anodizing line,cutting machine and bending machine, punching machine,welding machine and other production machines. We produce these items by our own production line in order to make sure quality and delivery time.We have passed CE ISO9001 ISO14001 and ISO45001.

Looking forward to hearing from you soon and we will reply to you in 24 hours.

FAQ

Q1 WHAT IS YOUR SYSTEM MADE OF?

A: Our system is powder coated, extruded aluminium with stainless steel components giving us the most durable louvred roof on the market today.

Q2 WHAT IS THE LONGEST SPAN OF YOUR LOUVRE?

A: There is one shape of Open Roofs louvre blade available.
For 202mm wide aerofoil blade of Open Roofs, its maximum spanning capacity is 4.5m without sagging.

Q3 CAN IT BE ATTACHED TO A HOST STRUCTURE?

A: Yes, our system can be attached to an existing structure or erected as a free standing unit!

Q4

WHAT COLOURS DOES YOUR SYSTEM COME IN?

A: Open Roofs features two standard colour options (white and grey) that compliment almost any architecture. Available in hundred of custom colours from RAL colour chart for unique application purposes.

Q5

HOW WILL IT HOLD UP IN MY CLIMATE?

A: Our system has been specifically engineered to withstand hurricane force winds, heavy snow loads and everything in between. It's durable and can out compete most of the competition on the market today.