



# Dealer Training

November 28 & 29, 2023

EQUINOX<sup>®</sup>

KNOTWOOD<sup>™</sup>

ALUMAWOOD<sup>™</sup>

# Dealers Present

1

Quality Vinyl Products

2

Pool Doctors

3

Pergola Plus

4

Sunsational Home Improvement

5

Town and Country - Orlando



# Equinox

## Tuesday, November 28

### Morning

- 8:30** – Introduction to Outdoor Living
- 8:45** – Introduction to Equinox Louvered Roof
- 9:15** – Equinox installation manual review
- 10:30** – BREAK
- 10:45** – Equinox motor options
- 11:00** – Somfy programming & accessories
- 11:30** – Equinox engineering review

### Lunch

**12:15 to 1:00 pm**

### Afternoon

- 1:00** – Estimating & quoting an Equinox system
- 2:00** – Completing the Equinox order form
- 2:15** – Advanced building techniques
- 2:45** – BREAK
- 3:00** – Equinox lighting
- 3:30** – Additional dealer resources and Q&A
- 4:30** – Completion of Equinox training



# Knotwood

## Wednesday , November 29

### Morning

### Lunch

### Afternoon

**8:30** – Introduction to Knotwood System

**9:15** – Knotwood applications & system  
breakout

**10:15** – BREAK

**10:30** – Knotwood engineering, installation  
and certifications

**11:45 to 12:30 pm**

**12:30** – Estimating & quoting the Knotwood  
system

**2:15** – Warehouse tour

**3:00** – Completion of Knotwood training

# Omnimax Corporation

- National manufacturer of residential building products & top supplier of products for outdoor living, recreational vehicles and other building end markets.
- Leader in the residential roof drainage markets
- 20 North American manufacturing plants with 1,200 associates



## ✓ Consumer

- Amerimax Building Products
- Berger
- Flamco
- Verde Industries

## ✓ Outdoor Living

- Alumawood
- Equinox Louvered Roof
- Knotwood







# Introduction To The Equinox Louvered Roof

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# Equinox Louvered Roof

The Equinox Louvered Roof is an adjustable patio system that transforms your outdoor space with a remote, switch or smart device.

- On-demand sunlight, shade or rain protection.
- Up to 150° range of motion.
- Integrated water management system
- Extruded aluminum – strong, lightweight, durable and renewable.
  - Conforms to most wind and snow load requirements
- Fully customizable, versatile system designed to fit any architectural style
- Easily enhance comfort with accessories.

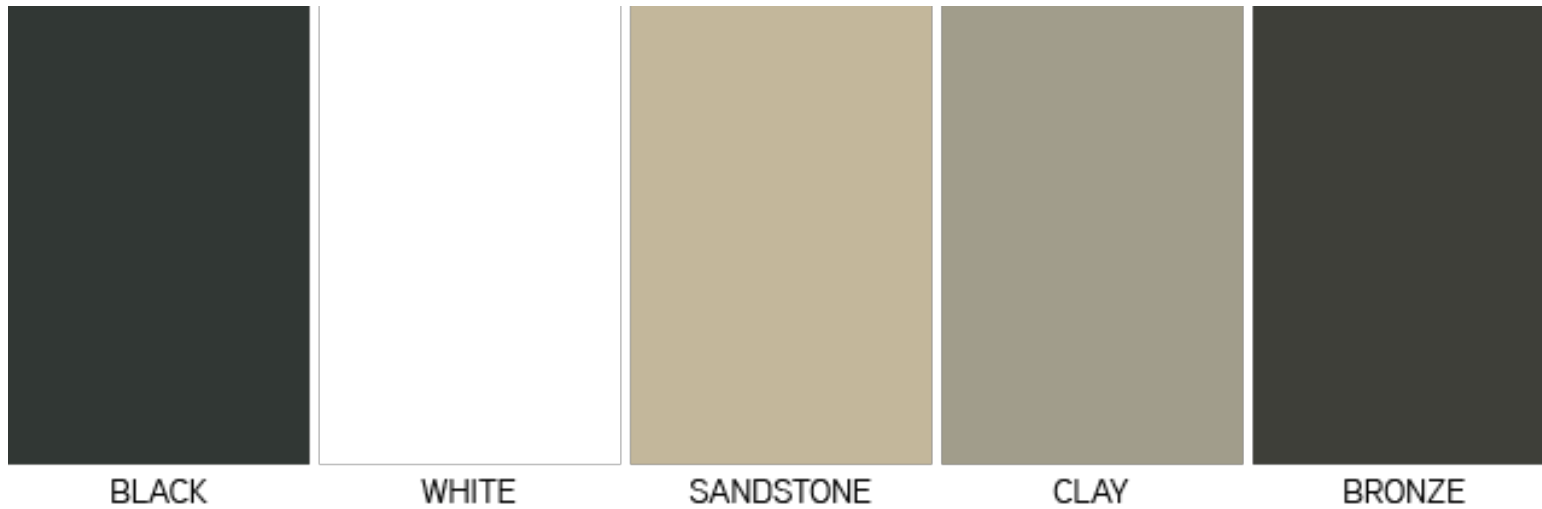




# Colors

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Five standard colors for frame.  
Four standard colors for louvers



# Beams

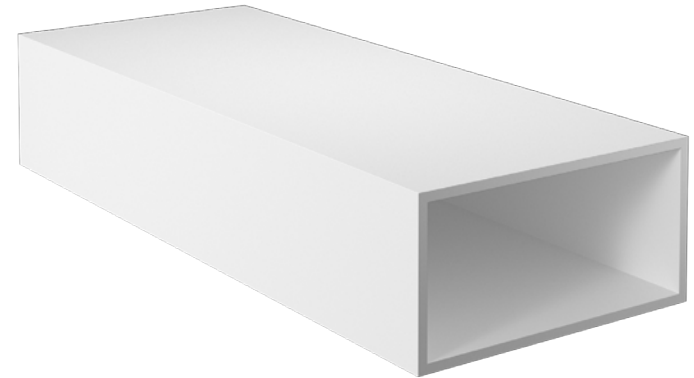
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16', 20' and 24' lengths

- 2" x 8",  $\frac{1}{8}$ " thick wall



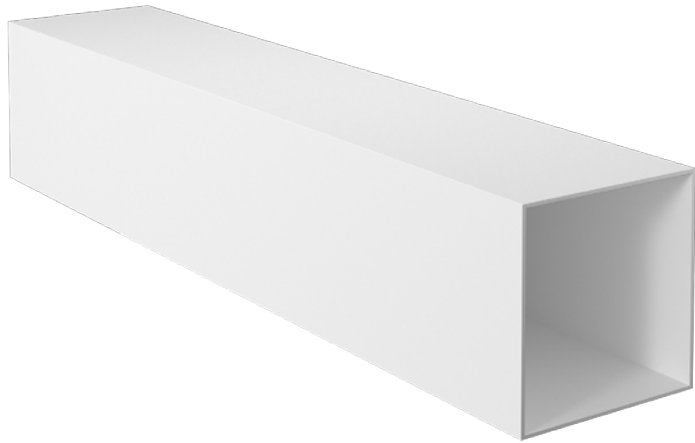
- 4" x 8",  $\frac{1}{4}$ " thick wall



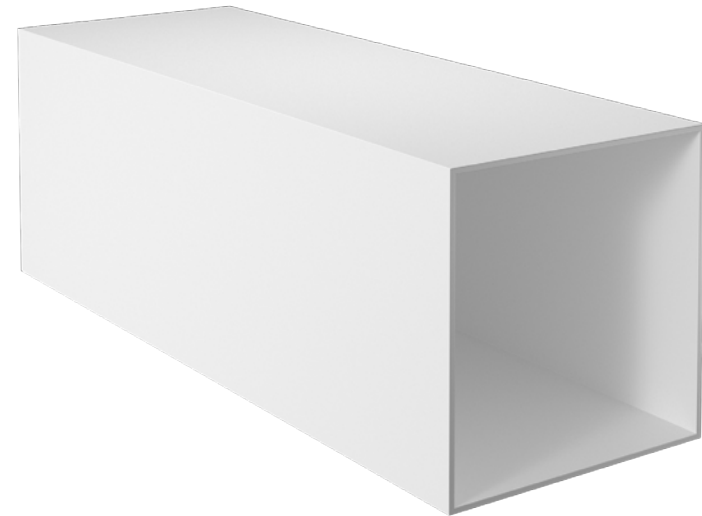
# Posts

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- 4" x 4", 1/8" thick wall
- 20' and 24' lengths



- 7" x 7", 1/8" thick wall
- 20' length



# Gutters

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16', 20' and 24' lengths

- Need to add drain point (downspout, utilize post, scupper, rain chain, etc.).





# Louvers

Dual wall louver, with airfoil design for better airflow.  
Better temperature control and withstand higher winds.

- Stated lengths of 8', 10' and 12'.
- Made for inside dimensions of 91", 115" and 139".



CHART 2 - LOUVER LENGTH VS. INSIDE FRAME DIMENSION

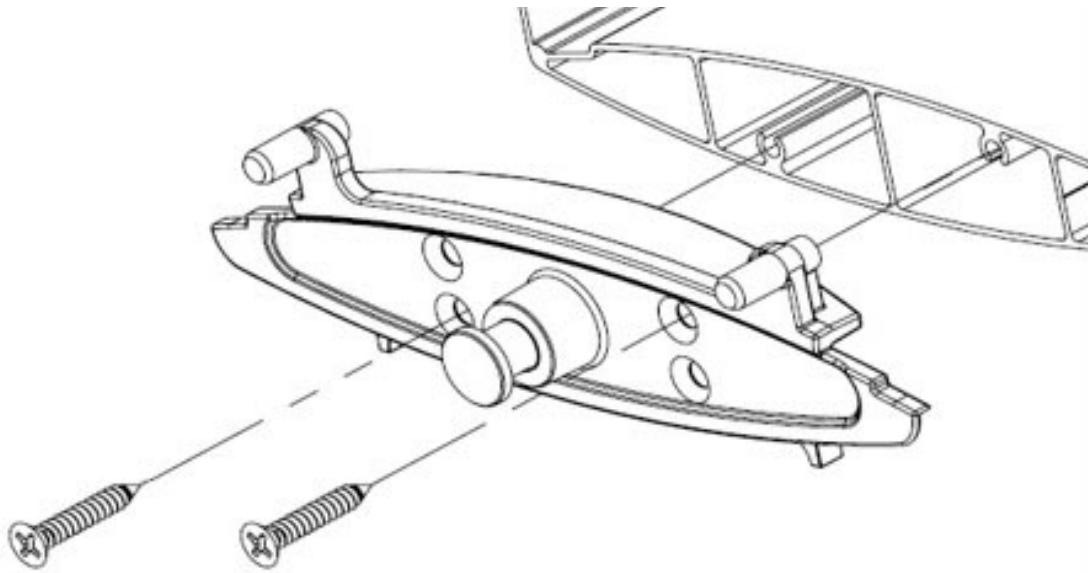
**Louvers** should be cut  $2\frac{1}{16}$ " shorter than the inside dimension of the frame they are being placed into.

Stated Louver Length	Actual Louver Length	Inside Frame Measurement
8'	$88\frac{5}{16}$ "	91"
10'	$112\frac{1}{16}$ "	115"
12'	$136\frac{3}{16}$ "	139"
14'	$160\frac{1}{16}$ "	163"

# Louvers

Dual wall louver, with airfoil design for better airflow.  
Better temperature control and withstand higher winds.

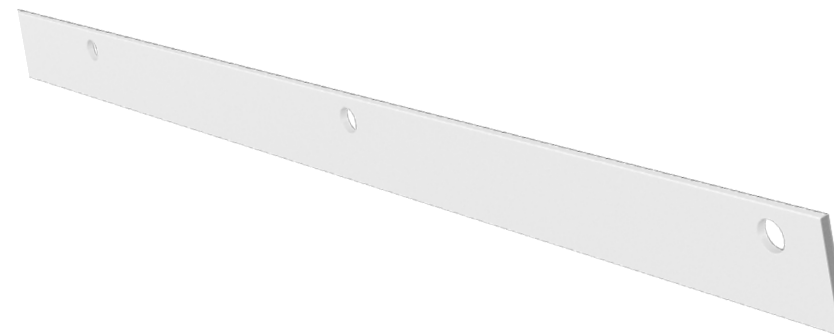
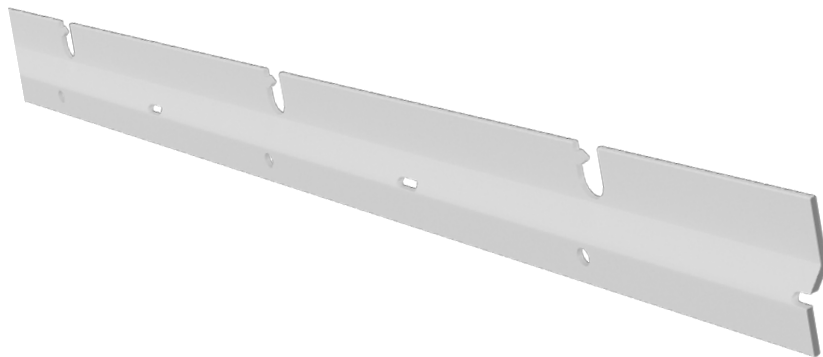
- Stated lengths of 8', 10' and 12'.
- Made for inside dimensions of 91", 115" and 139".
- Louver end cap, end cap screw and push nut.





# Pivot Strip & Link Bars

8' and 20' lengths



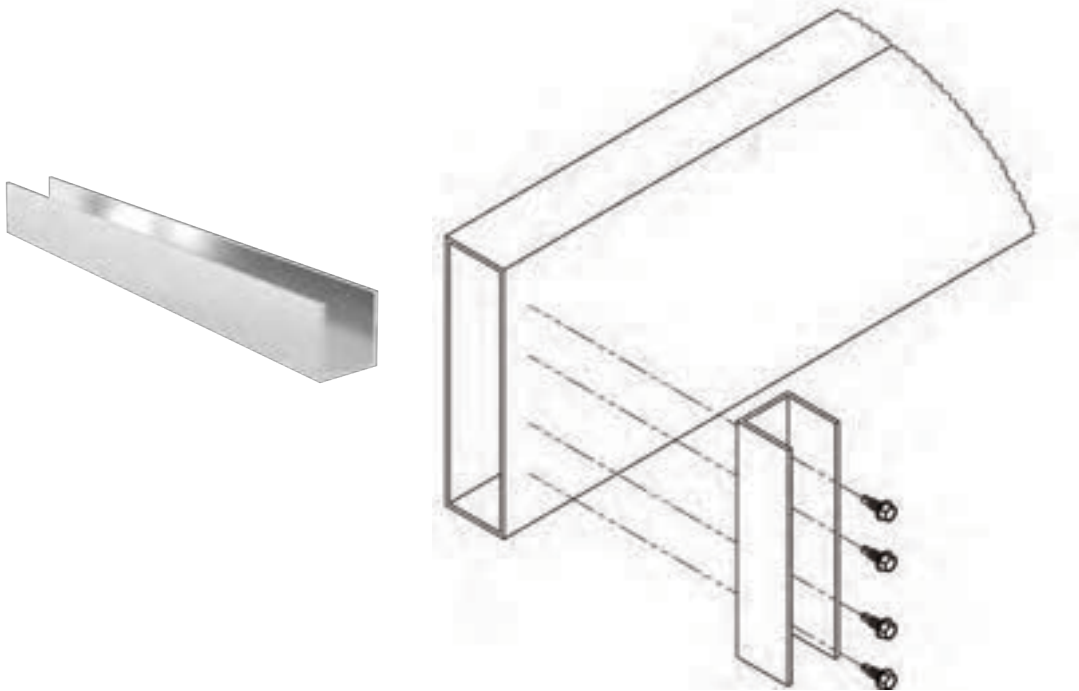
- Most of the time, you will build a square or rectangle.
- **Pivot Clips** allow you to make other shapes.



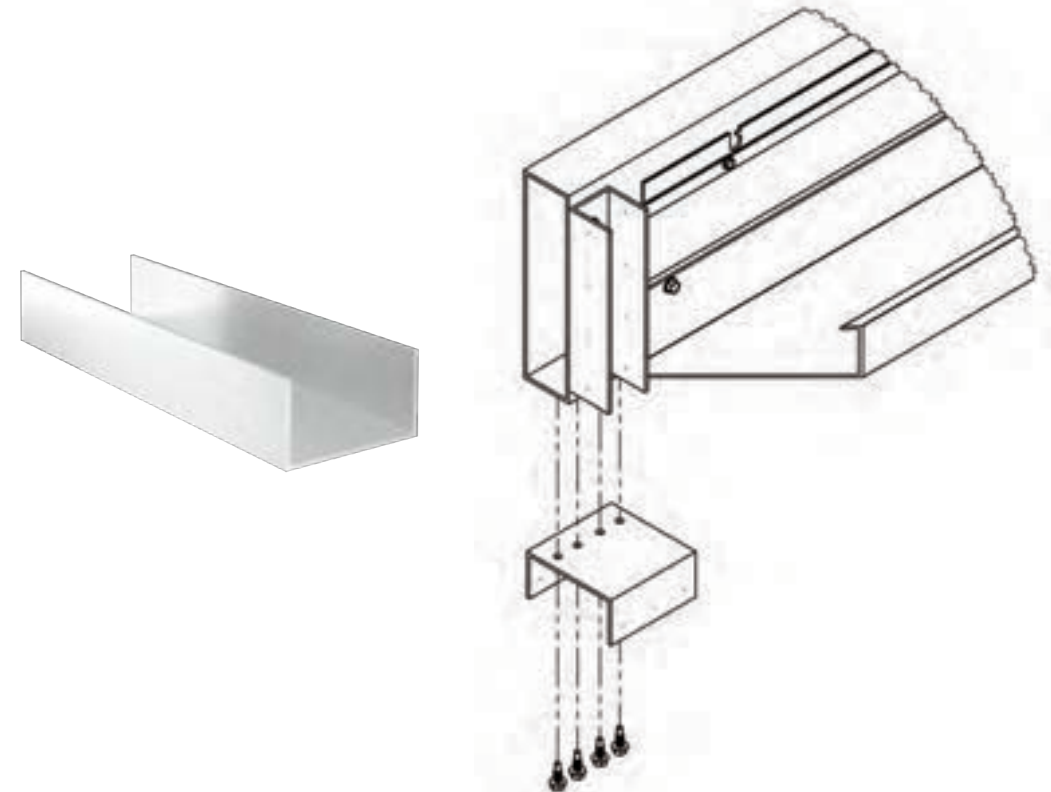


# Insert Channel

- Small insert channel, 1 3/4" x 1 3/4"
- 16' long
- Beam to beam connection
- Beam to 7 x 7 post connection

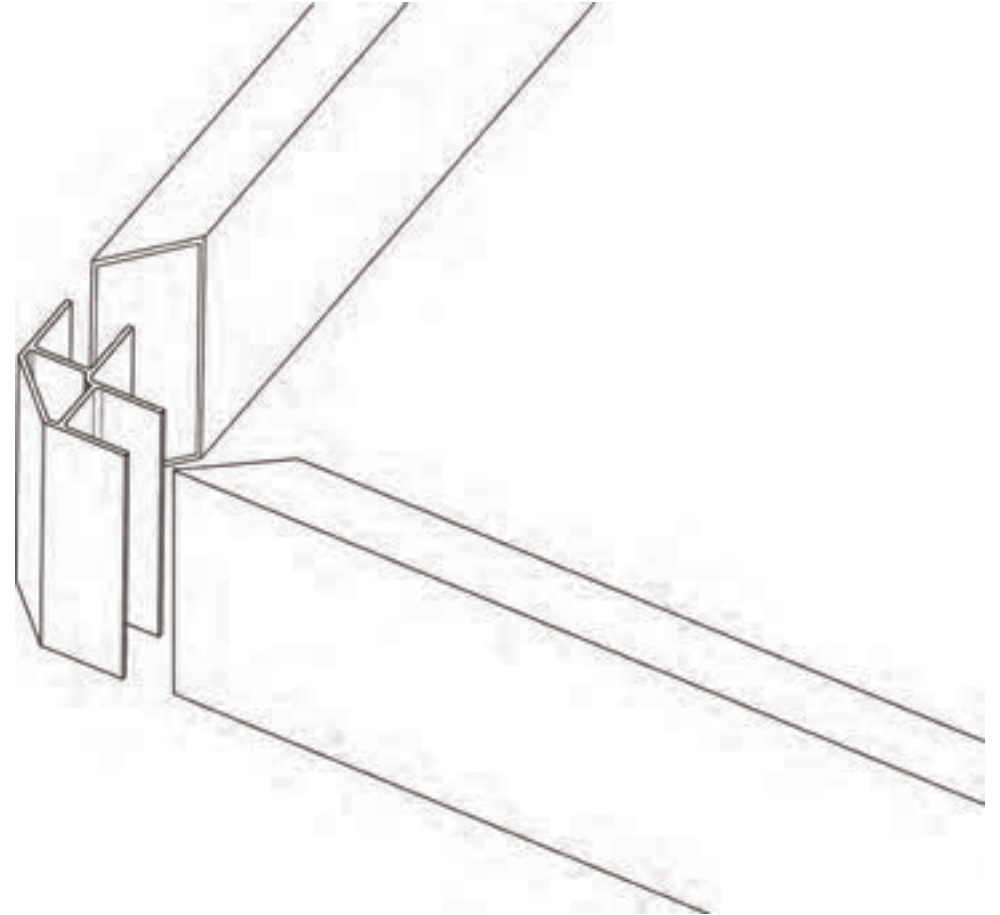


- Large insert channel, 1 3/4" x 3 3/4"
- 12' long
- Beam to 4 x 4 post connection



# Internal Corner Bracket

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# Hardware

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## Color matched to the extrusions

- #10 Tek Screws – attaching gutters and pivot strips.
- #14 Tek Screws – connection beams and posts.
- Caulking
- Plastic plugs, to hide holes for attaching ledger board or double beams.
- Touch up paint

# Motors & Electronics

## GEAR MOTOR

- Single or multi channel controller.
- Simple handheld remote or toggle wall switch.
- Transformer or solar power.



## LINEAR SMART MOTOR

- Somfy RTS receiver.
- Multiple handheld remote or wall switch options. Smart device control.
- Sensors, including rain and wind.
- Additional receivers for various accessories.
- Transformer ONLY. Cannot work with solar power















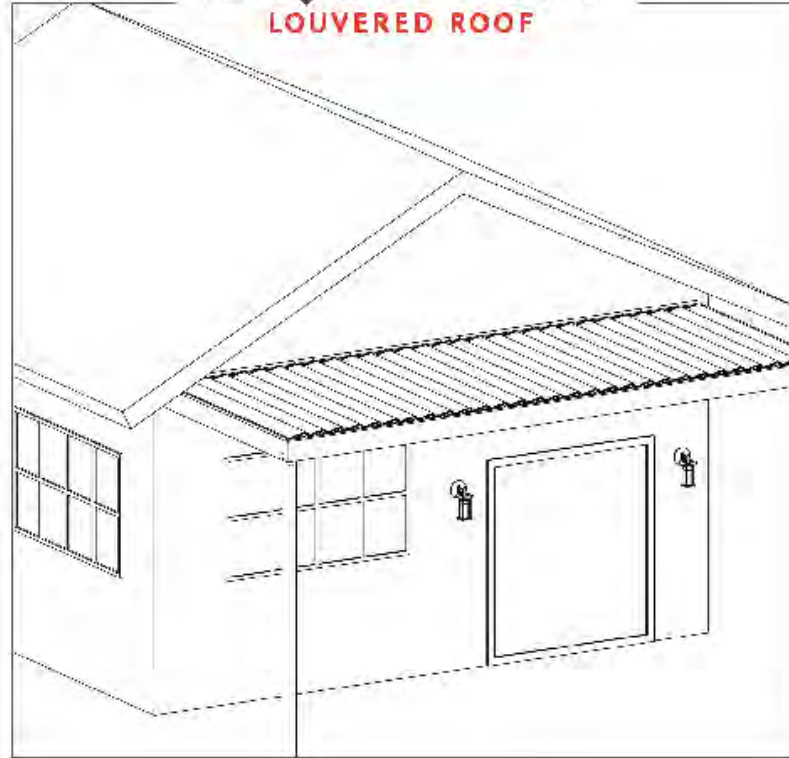
# Questions?





# Installation Manual Review

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2023 VERSION

## STANDARD INSTALLATION GUIDE

© 2023 Equinox 03/2023 EQU-024



# Questions?



# Motor Options And Smart Motor Programming

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# Equinox Electronics Identification



Equinox Electronics Identification



Equinox L...  
522...



Subscribed



Share



# Gear Motor & Electronics

## GEAR MOTOR

- Plug and Play.
- Single or multi channel controller.
- Simple handheld remote or toggle wall switch.
- Transformer or solar power.



## GAMA CONTROLLER AND GEAR MOTOR WIRING

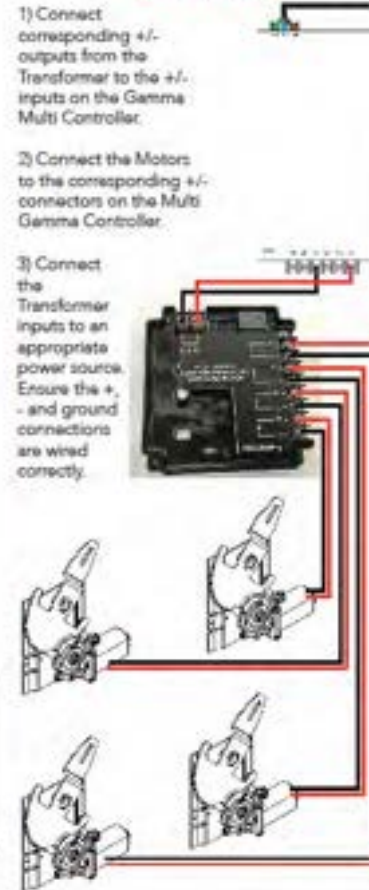
## 1 Gear Motor

- 1) Connect corresponding +/- outputs from the Transformer to the +/- inputs on the Gamma Single Controller.
- 2) Connect the Motor to the M1 and M2 connectors on the Single Gamma Controller.
- 3) Connect the Transformer inputs to an appropriate power source. Ensure the +, - and ground connections are wired correctly.



## 2-4 Gear Motor

- 1) Connect corresponding +/- outputs from the Transformer to the +/- inputs on the Gamma Multi Controller.
- 2) Connect the Motors to the corresponding +/- connectors on the Multi Gamma Controller.
- 3) Connect the Transformer inputs to an appropriate power source. Ensure the +, - and ground connections are wired correctly.



**PRO TIP:** Use low voltage, landscape grade 14/2 wire to extend the connection from the Motors to the Controller. Label all wiring connections. From the Transformers, label which wires go to which Controller. From the Motors, label which Motors connect to which Controllers. This will make it easier to identify wiring if you have to service a Motor or Transformer.

# Linear Motor & Electronics

## LINEAR SMART MOTOR WITH RADIO TECHNOLOGY SOMFY (RTS)

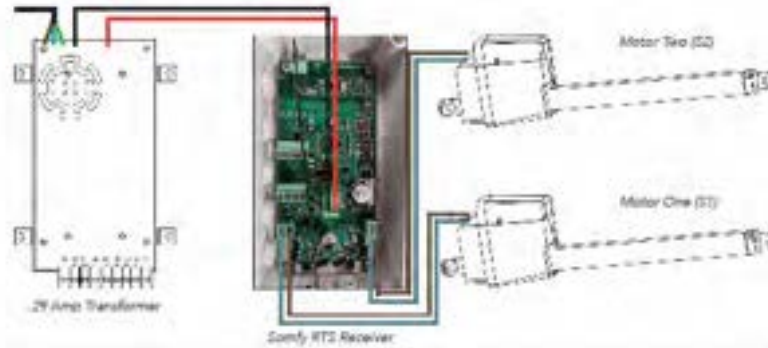
- Requires programming.
- Somfy RTS receiver.
- Multiple handheld remote or wall switch options. Smart device control.
- Sensors, including rain and wind.
- Additional receivers for various accessories.
- Transformer ONLY. Cannot work with solar power.





MOTOR CONTROLLER WIRING &  
PROGRAMMING GUIDEEQUINOX<sup>®</sup> + somfy.

## LINEAR MOTORS WIRING DIAGRAM



**PRO TIP:** Programming should be completed before Linear Motor(s) are installed. The Somfy RTS Receiver will retain programming when disconnected from power. It is essential that you connect both Linear Motor(s) to the Somfy RTS Receiver prior to power up the unit.

## Step 1: Connect Motors

Connect the Linear Motor(s) to the Somfy RTS Receiver according to Tables 1 & 2 (below). Each Somfy RTS Receiver is capable of controlling a maximum of two Linear Motors. For access to all operation features and to ensure reliable operation, use of the Gear Motor in conjunction with the Somfy system is not recommended.

Linear Motor 1	
Motor	"50"
Blue	(-) (-)
Brown	(+) (+)

Table 1: Connecting Linear Motor 1 to Motor Receiver

Linear Motor 2	
Motor	"50"
Blue	(-) (-)
Brown	(+) (+)

Table 2: Connecting Linear Motor 2 to Motor Receiver

**PRO TIP:** By following the wiring instructions in the above tables, the up button on the Remote will open the Louvers and the down button on the Remote will close the Louvers.

# Wiring Error



# Questions?





# Engineering Review

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# Omnimax Equinox™ Patio Cover, Carport and Commercial Structure Engineering 2018 IBC

This report covers these maximum conditions

Ground Snow Loads	10 20	psf psf
Wind Speed (Ultimate) and Exposure	105 mph Exposure C 115 mph Exposure C	or 120 mph Exposure B or 130 mph Exposure B
Maximum Ss =	40%	Seismic Design Category C

PAGES	SECTION DESCRIPTION
Page 1-2 of 51	GENERAL NOTES
Pages 3-5 of 51	EQUINOX STRUCTURAL CONFIGURATIONS
Pages 6-18 of 51	COMPONENT PARTS AND CONNECTION DETAILS
Page 19 of 51	LOUVER SPANS FOR COMMERCIAL AND PATIO STRUCTURES
Page 20 of 51	Aa. Tables for Attached Structures with Single Span Louvers with Two Posts ONLY for Header 'a' = Single 0.125"x2"x8" Alum Header Detail B1
Page 21 of 51	Ba. Tables for Attached Structures with Single Span Louvers with at Least 3 Posts for Header 'a' = Single 0.125"x2"x8" Alum Header Detail B1
Page 22 of 51	Ca. Tables for Attached Structures with Multi Span Louvers and Single Span Headers for Header 'a' = Single 0.125"x2"x8" Alum Header Detail B1
Page 23 of 51	Da. Tables for Freestanding Structures with Single Span Louvers with 4 posts for Header 'a' = Single 0.125"x2"x8" Alum Header Detail B1
Page 24 of 51	Ea. Tables for Freestanding Structures with Single Span Louvers with at least 6 posts for Header 'a' = Single 0.125"x2"x8" Alum Header Detail B1
Page 25 of 51	Fa. Tables for Freestanding Structures with Multi Span Louvers and Single Span Headers for Header 'a' = Single 0.125"x2"x8" Alum Header Detail B1
Page 26 of 51	Ga. Tables for Attached Structures with Louvers Parallel w/ Building Wall w/ Post at Every Span for Header 'a' = Single 0.125"x2"x8" Alum Header Detail B1
Page 27 of 51	Ha. Tables for Attached Structures with Louvers Parallel w/ Building Wall w/ fewer Posts for Header 'a' = Single 0.125"x2"x8" Alum Header Detail B1
Page 28 of 51	Ia. Tables for Attached Structures with Louvers Parallel w/ Building Wall w/ fewer Posts and Overhang for Header 'a' = Single 0.125"x2"x8" Alum Header Detail B1
Pages 29-37 of 51	Sections Ab to Ib. Tables for Structure Types A-I for Header 'b' = Double 0.125"x2"x8" Alum Header Detail B2
Pages 38-46 of 51	Sections Ac to Ic. Tables for Structure Types A-I for Header 'c' = Single 0.25"x4"x8" Alum Header Detail B3
Page 47 of 51	Wa. ATTACHMENT TO WOOD FRAMED WALL
Page 48 of 51	Wb. ATTACHMENT TO MASONRY or CONCRETE WALL
Page 49 of 51	Xa. MOMENT RESISTING FOOTING SIZE for Constrained Footings
Page 50 of 51	Xb. MOMENT RESISTING FOOTING SIZE for Non Constrained Footings
Page 51 of 51	Y. REQUIRED FASTENERS FOR POST CONNECTIONS AND RETURN BEAM ALTERNATIVES

  
June 12, 2022

# Wind & Snow Load Reference

The screenshot shows a web browser with three tabs: 'Login', 'Design Visualizer - Equinox Lou...', and 'ATC Hazards by Location'. The address bar shows 'hazards.atccouncil.org/#/r'. Below the address bar is a bookmarks bar with various links like 'PERSONAL', 'FOR TRAINING', 'COMPONENTS', 'Acrobat Cloud', 'Infor Enterprise Qu...', 'My Ominmax', 'UtiliPro', 'SAP Concur', and 'All Bookmarks'. Two banners are present: an orange one stating 'This is a beta release of the new ATC Hazards by Location website. Please [contact us](#) with feedback.' and a blue one stating 'The ATC Hazards by Location website will not be updated to support ASCE 7-22. [Find out why.](#)'. The main header features the 'ATC Hazards by Location' logo and navigation links: 'Our Sponsors', 'About ATC', 'Contact', and 'API'. The 'Overview' section explains the website's purpose: to provide site-specific hazard information for design loads. It notes that results do not reflect state or local amendments and that users should confirm outputs with local authorities. It also cautions that values are site-specific and dependent on elevation, and that users should provide accurate location data (street address, city/state, or latitude/longitude) to avoid over- or underestimation of design loads. The 'ASCE 7-22 – Announcement' section is partially visible at the bottom.

Overview

The purpose of this website is to provide users with site-specific hazard information that can be used to determine design loads for buildings and other structures. It is assumed that the users of this site have competency to understand how to calculate and apply the information provided here to determine design loads to structural models of buildings or other structures.

This website only returns values provided by the indicated reference documents. The results DO NOT reflect any state or local amendments to the values or any delineation lines made during the building code adoption process. Users should confirm any output obtained from this tool with the local Authority Having Jurisdiction before proceeding with design.

Values are site-specific for the location entered and may be dependent upon the elevation of the site, depending on the hazard of interest. Users are cautioned to provide the most accurate location for the building or structure site by specifying either the known street address, city and state or the latitude and longitude to at least five (5) decimal places. If only the name of the city/state or zipcode is provided, the website will return data for the centroid of the city or zipcode and thus could either over- or underestimate the values that should be used for the site of interest. An underestimation could result in a design that does not meet the requirements for minimum design loads for the building or structure under consideration.

ASCE 7-22 – Announcement



# Site Specific Engineering Request Form

The screenshot shows a web browser window with the address bar displaying `equinoxroof.com/architects-designers/site-specific-engineering-request/`. The browser's toolbar includes various icons and a search bar. Below the browser window, the website's header features the Equinox logo and a navigation menu with links for About, Residential, Commercial, Architects & Designers, Products, and Resources. A large banner image shows a modern building with a louvered roof overlooking a body of water. The main heading on the page is "SITE SPECIFIC ENGINEERING REQUEST". Below this, there is a section for submitting a request, followed by pricing information for site-specific engineering drawings, categorized by residential and commercial projects. The pricing section includes a table with columns for project type, drawing type, and price. The residential section lists a price of \$500 for a single drawing and \$2,500 for a set of drawings. The commercial section lists a price of \$2,500 for a single drawing and \$10,000 for a set of drawings. The form also includes a section for contact information and a disclaimer.

Site Specific Engineering Request

Equinox

About Residential Commercial Architects & Designers Products Resources

CONTACT US

## SITE SPECIFIC ENGINEERING REQUEST

If you would like to submit a site specific engineering request please complete all fields below and attach site photos and drawings of existing structure

Pricing for Site Specific Engineering Drawings is as follows:

Project Type	Drawing Type	Price
Residential	Single Drawing	\$500
	Set of Drawings	\$2,500
Commercial	Single Drawing	\$2,500
	Set of Drawings	\$10,000

Someone will contact you for payment arrangements at your contact information listed below.

Timing for Site Specific Engineering Drawings - Please check with your territory manager for an estimate.

Don't Hesitate

# Questions?

# LUNCH



# Estimating And Quoting An Equinox System

# Equinox Ordering Cheat Sheet

## EQUINOX ORDERING CHEAT SHEET

- Per Louver
  - o 2 End Caps
  - o 4 End Cap Screws
  - o 1 Link Bar Push Nut
- Two (2) Pivot Strips for inside of each bay
  - o If a Beam is at an angle one (1) Pivot Clip per Louver + Pivot Strip on straight Louver side.
- One (1) link bar for every two (2) pivot strips.
  - o If daisy chaining (overlapping) 8' Link Bar:
    - \* One (1) 8' Link Bar = 8' or 13 Louvers
    - \* Two (2) 8' Link Bars overlapped = 13'2" (or 182") or 24 Louvers
    - \* Three (3) 8' Link Bars overlapped = 22'4" (or 268") or 35 Louvers
  - o 20' link bar is for 31 Louvers
- Insert Channel
  - o Small Channel - 16' stick makes twenty-six (26) 7" pieces for beam-to-beam connection or twenty-eight (28) 6.5" pieces for beam-to-7x7 post connection
  - o Large Channel - 12' stick makes thirty-nine (39) 3.5" pieces for beam to 4x4 post.
- Finishing screws
  - o Gutter needs one (1) #10x<sup>1</sup>/<sub>2</sub>" screw every 16"
    - \* 16' length - Twelve (12) screws,
    - \* 20' length - Fifteen (15) screws
    - \* 24' length - Eighteen (18) screws
  - o Pivot strips: One (1) #10x<sup>1</sup>/<sub>2</sub>" screw every 8".
    - \* 8' strip needs twelve (12) screws and 20' strip needs thirty (30) screws
  - o Each beam/post corner of frame needs total of twenty-eight (28) #14 screws.
    - \* 16" long screws for 2x8 beams and 1 1/2" long screws for 4x8 beams.
    - \* Twelve (12) #14 screws for beam-to-beam connection.
    - \* Eight (8) #14 screws for beam to post connection.
    - \* Eight (8) #14 screws for post to post connection.
  - o Double beams require two (2) additional #14 screws every foot
    - \* 16' beam - Thirty-two (32) screws
    - \* 20' beam - Forty (40) screws
    - \* 24' beam - Forty-eight (48) screws
- Caulking: One (1) tube for every 20' of gutter + 1 additional tube

## QUICK SCREW CALCULATION

One (1) each of #10 and #14 for every square ft of cover

## EXACT SCREW CALCULATION

\*\* #10 Screws = 12 (# 16' gutter) + 15 (# 20' gutter) + 18 (# 24' gutter) + Pivot Strip Screws  
12 (# 8' pivot strips) OR  
30 (# 20' pivot strips)

\*\* #14 Screws = 28 (# of posts) + 12 (# of additional beam connections) + Double Beam Screws (# if needed)

Updated October 1, 2022

# Questions?





# Completing The Order Form

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# Credit Request & Warranty Return Form

Home x 00711906 | Salesforce x CREDIT REQUEST x +

tfaforms.com/4855329

FOR TRAINING Acrobat Cloud My Ominmax UtiliPro SAP Concur Salesforce Oracle Infor Enterprise Qu... Dealer Forms & Por... ATC Hazards by Loc...



**CREDIT REQUEST**

Account Name \*

Reason for Return \*

*\*Attachment is Required if Damaged Product is selected as Reason for Return*

Description Of Issue \*

Product Line \*

Contact Name \*

# Questions?

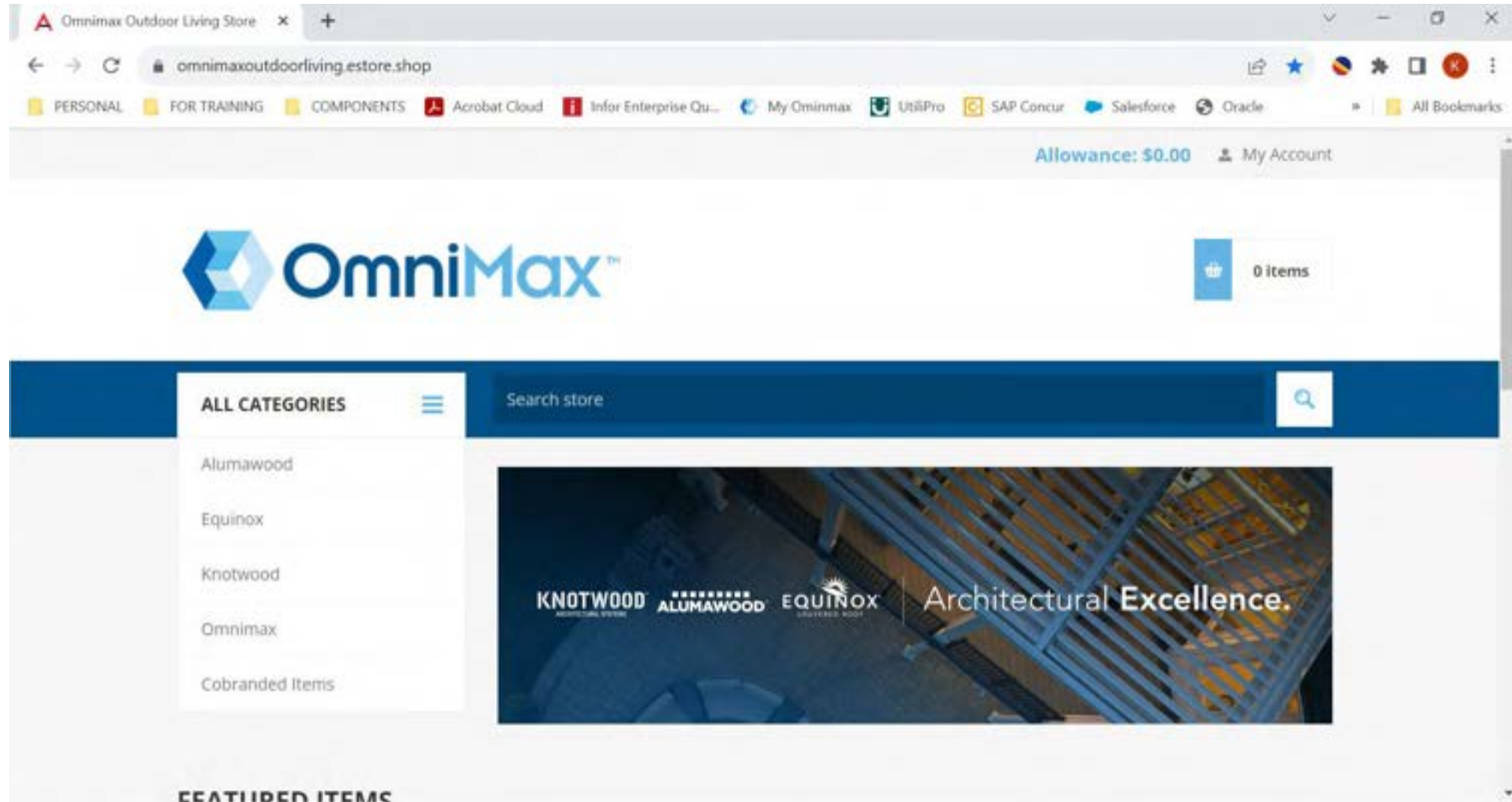




# Knowledge Check

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# Outdoor Living Online Store



# Red Light D-Fault

What are the four things can cause a red light D-fault with the Somfy RTS Receiver?

1

Pivot Strips not at the right heights.

2

Gear motor or mounting plate not centered.

3

Mounting plate not orientated correctly.

4

Hole in link bar to connect motor not centered.

# Red Light D-Fault



2

Gear motor or mounting plate not centered.



# Red Light D-Fault



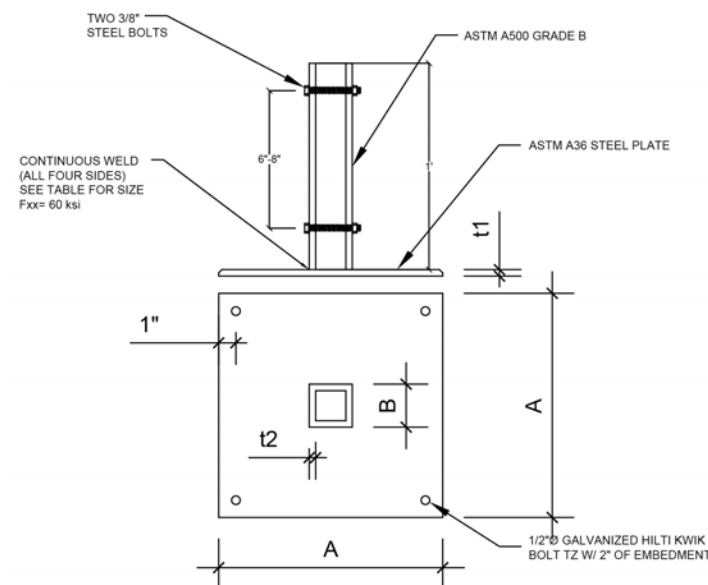
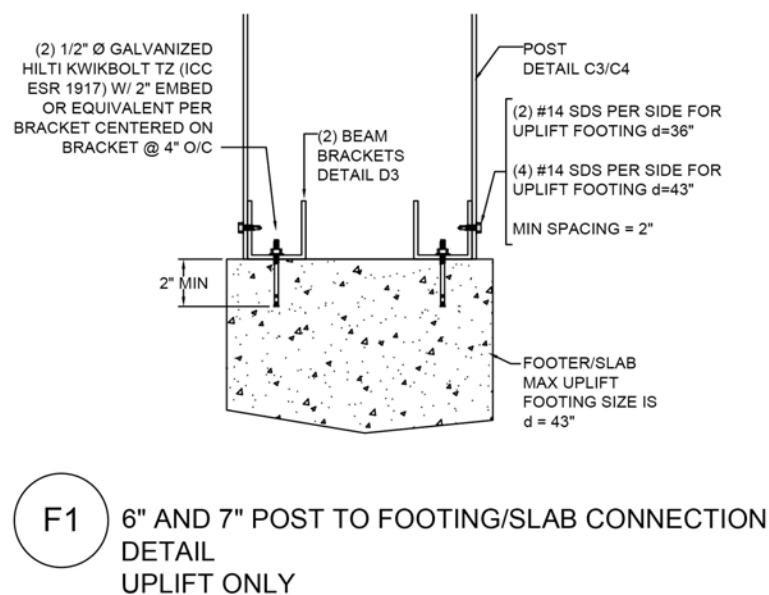
4

Hole in link bar to connect link arm and motor not centered.

# Equinox Engineering

Do you need a footer when installing an Equinox system?

No, you can mount to slab (if attached to building on one side) or use a baseplate.



# Somfy Sensors

What are the two key things needed when adding a Somfy sensor to the system?.

Replace internal antenna with the external antenna. Every RTS controller will need an external antenna.



An "ALL" channel needs to be programmed and the sensor programmed to this "ALL" channel.





# Advanced Building Techniques

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# Water Management

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- Integrated gutter will collect water, but it needs to be drained.
- Should be discussed with homeowner during design phase.
- Many options, including:
  - External downspout.
  - Using the post.
  - Scuppers.
  - Rain chain.

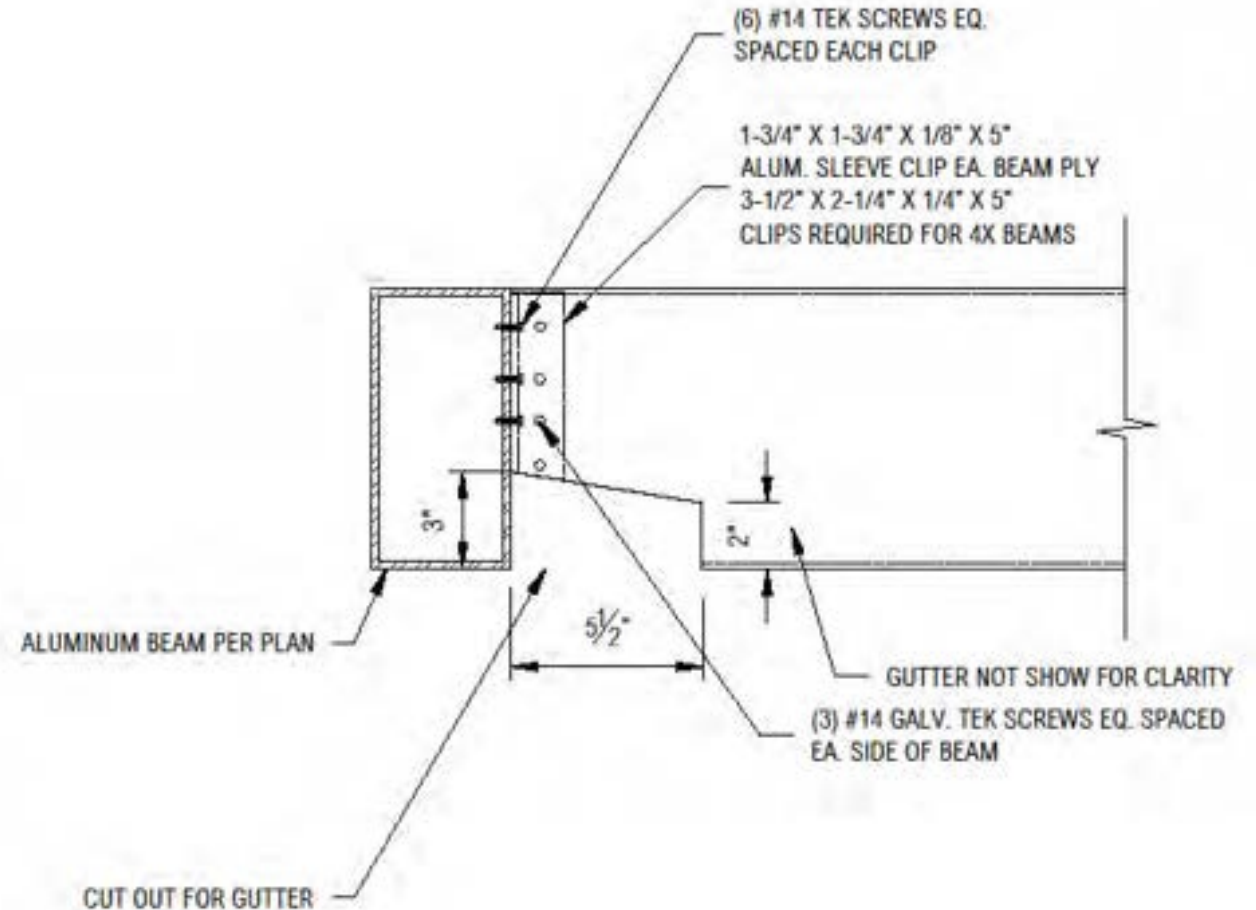
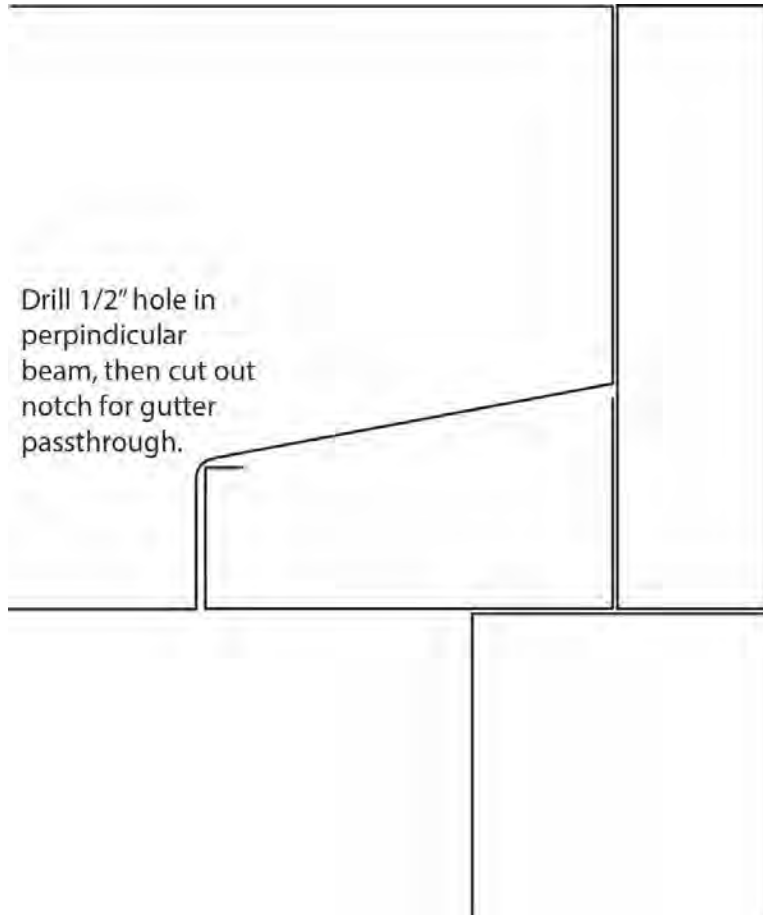
# Water Management

## Gutter Pass Through

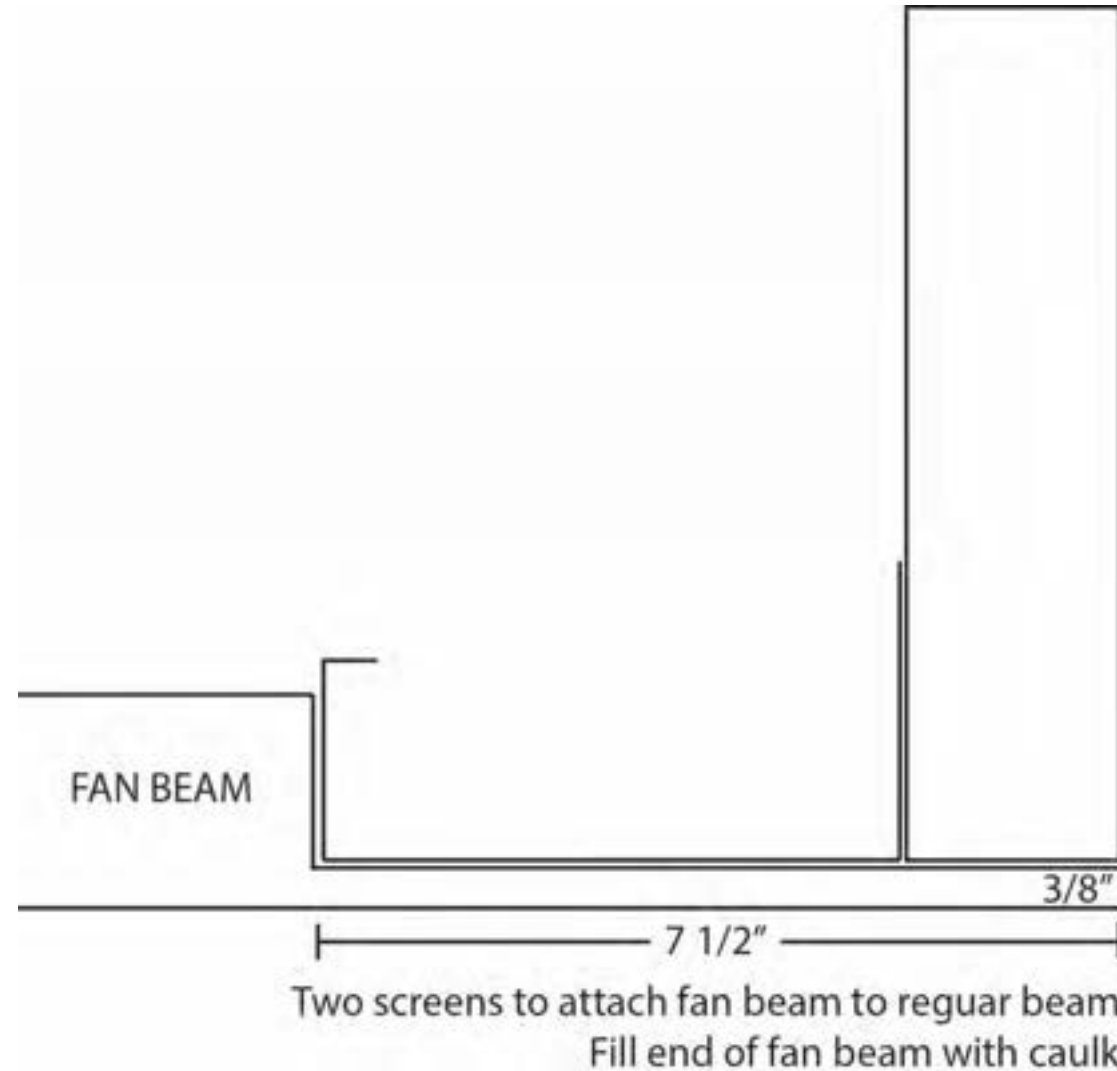


# Water Management

## Gutter Pass Through

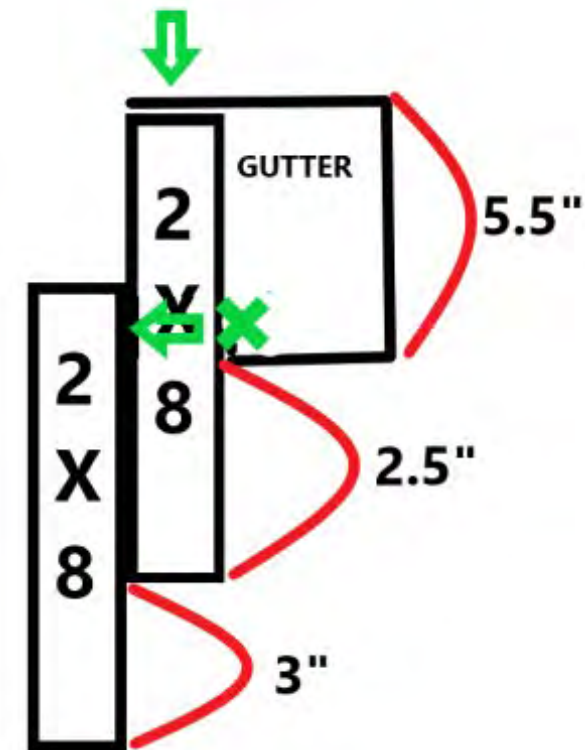


# Fan Beam





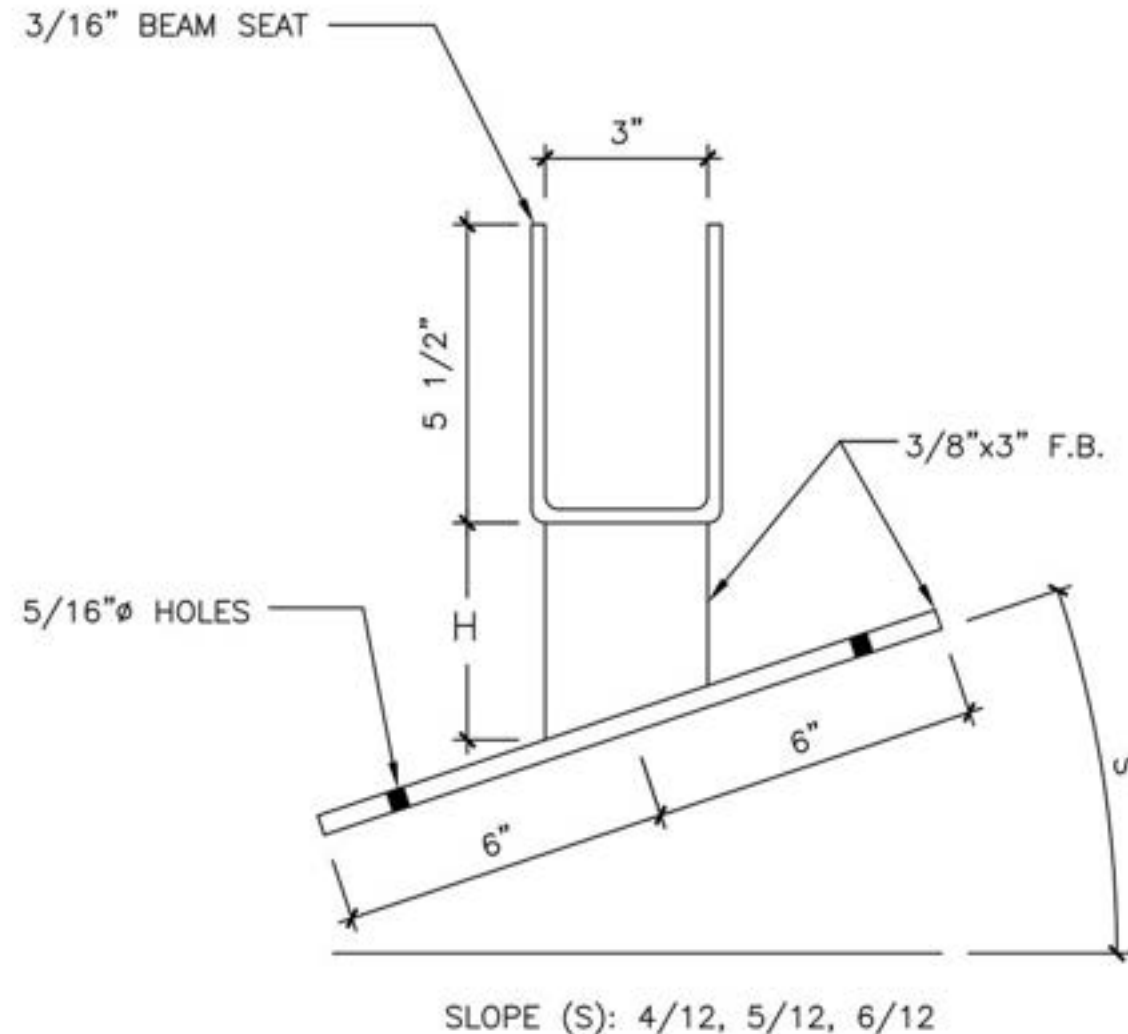
# Decorative Crown Molding



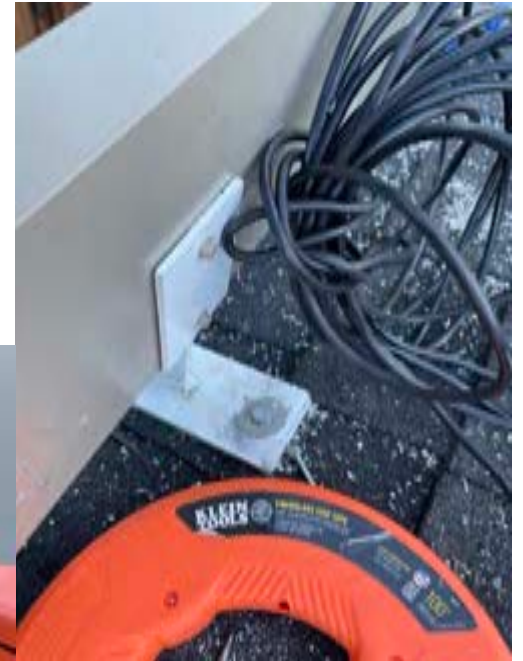
← = ATTACHMENT POINT  
HIDDEN FASTENER

✕ = 5/8 PILOT HOLE EVERY 12"

# Roof Attachment – Beam Lyft



# Roof Attachment – Beam Lift





# Roof Attachment – Insert Channel

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# Pivot Clips

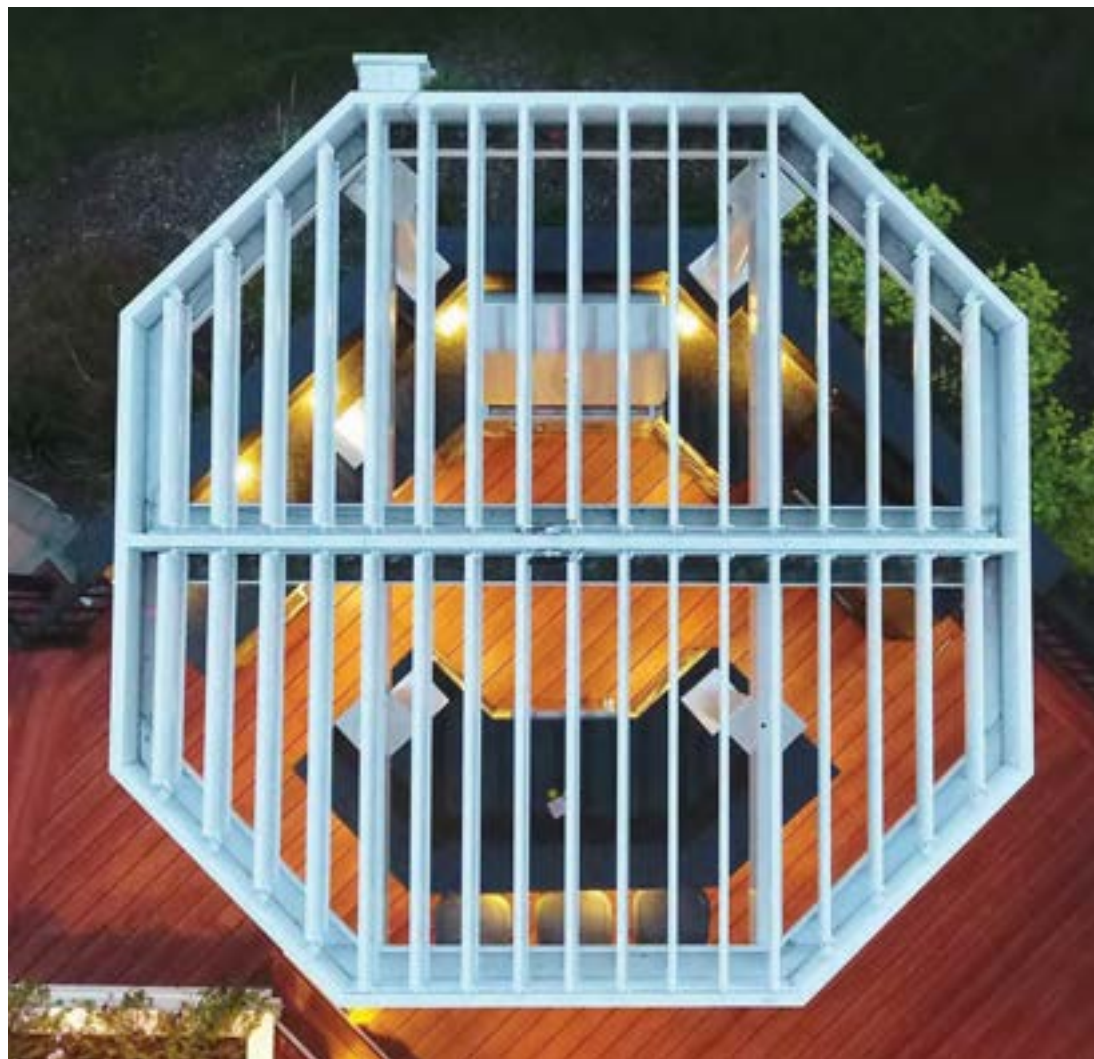


# Pivot Clips





# Pivot Clips



# Pivot Clips



# Questions?





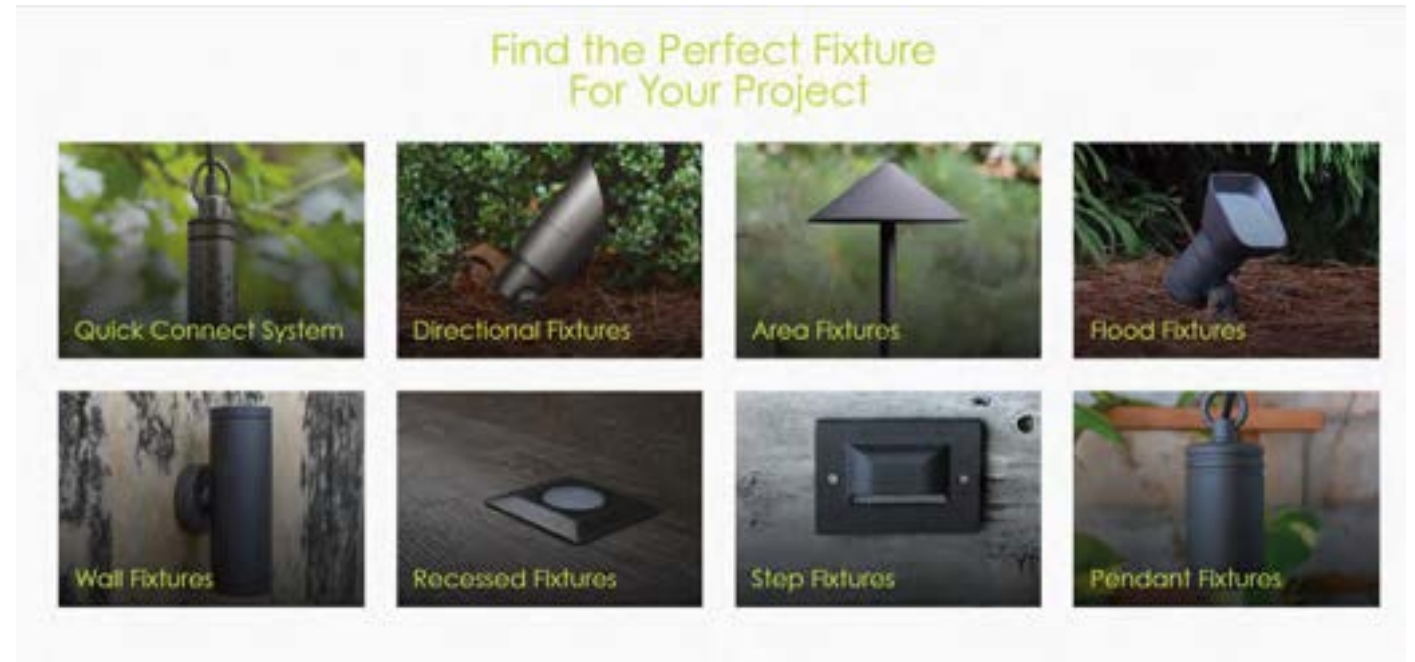
# Equinox Lighting

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# Lumien and Equinox

*Innovative, high-end lights that are simple to install, with no maintenance.*

- High quality brass fixtures in two colors.
- Large variety of styles and fixtures.
- Bulletproof system with strong warranty.



## Nano Recessed Light XLM112135-WW & XLM112901-WW

## Nano Recessed Light Pro XLM112135-30 & XLM112901-30

- Recessed on a 2" face.
- Requires 1 ¼" hole for bracket.



**NANO RECESSED LIGHT**

**XLM112135-WW (ANTIQUE BRONZE)**  
**XLM112901-WW (MATTE BLACK)**

Square Flush  
 Recessed  
 Half Nano Light

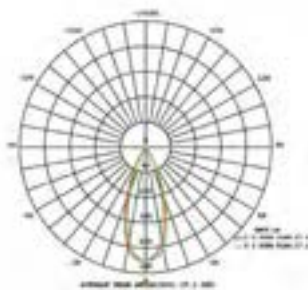


ANTIQUE BRONZE

MATTE BLACK

**SPECIFICATIONS**

Fixture Type	Fixture Components	Fixture Material	Watts	Color Temperature	Color	IP Rating	Rated Hours	Finish
Directional	Integrated Modular	Brass	2.5W	30K (3000K)	N/A	IP68	50,000	Antiqued Black



Construction: Brass  
 Finish: Antique Brush or Matte Black  
 Lead Wire: 6ft long  
 Mounting: Recessed  
 Light Source: Modular LED  
 Wattage: 2.5W  
 Operating Voltage: 10-15V  
 Volt Amperes: 3.97  
 Lumens: 190 LM  
 Beam Spread: 30°  
 Color Temperature: 3000K  
 Color: N/A  
 Dimmable: Primary Dimming Capable

**APPLICATION**

Environment: Wet, Damp or Dry Area approved.

Installation: Drill 1 1/4" (1.25") hole for bracket. Simple to install and easy to use. All lighting fixtures are weather resistant and require little to no maintenance.

**ENLIGHTENED OUTDOOR LIVING**

Equinox Louvered Roof has partnered with Lumien Lighting to bring you new, state-of-the-art lighting products that take your outdoor living space to the next level. Continue to enjoy your patio after the sun goes down with this selection of **easy-to-use, innovative lighting fixtures**. Customize your Equinox experience with a choice of sleek styles and white or multi-colored lighting that truly bring the night to life all year long.

**CERTIFICATION**

UL Listed

**WARRANTY**

Lifetime Warranty on the Housing,  
 10 Year Warranty on the LED Light Source

Warranty provided by: **LUMIEN**

**NANO RECESSED LIGHT PRO**

**XLM112135-30 (ANTIQUE BRONZE)**  
**XLM112901-30 (MATTE BLACK)**

Square Flush  
 Recessed  
 Full Nano Light

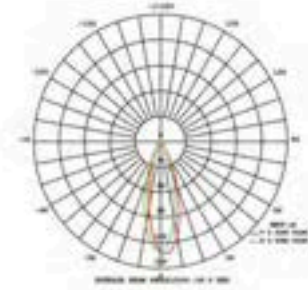
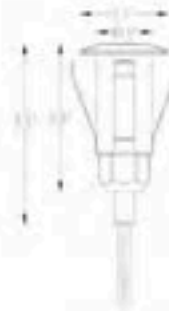


ANTIQUE BRONZE

MATTE BLACK

**SPECIFICATIONS**

Fixture Type	Fixture Components	Fixture Material	Watts	Color Temperature	Color	IP Rating	Rated Hours	Finish
Directional	Integrated Modular	Brass	2.0W	30K (3000K)	N/A	IP68	50,000	Antiqued Black



Construction: Brass  
 Finish: Antique Brush or Matte Black  
 Lead Wire: 6ft long  
 Mounting: Recessed  
 Light Source: Modular LED  
 Wattage: 2.5W  
 Operating Voltage: 10-15V  
 Volt Amperes: 4.02  
 Lumens: 90 LM  
 Beam Spread: 30°  
 Color Temperature: 3000K  
 RGB: Yes  
 CRI: 80+  
 Dimmable: With PRO Remote

**APPLICATION**

Environment: Wet, Damp or Dry Area approved.

Installation: Drill 1 1/4" (1.25") hole for bracket. Simple to install and easy to use. All lighting fixtures are weather resistant and require little to no maintenance.

**ENLIGHTENED OUTDOOR LIVING**

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**CERTIFICATION**

UL Listed

**WARRANTY**

Lifetime Warranty on the Housing,  
 10 Year Warranty on the LED Light Source

Warranty provided by: **LUMIEN**



## Micro Recessed Light XLM231135-WW & XLM231901-WW

## Micro Recessed Light Pro XLM231135-30 & XLM231901-30

- Recessed on a 4" face.
- Requires 1 5/8" hole for bracket.





**MICRO RECESSED LIGHT PRO**

**XML023135-30 (ANTIQUE BRONZE)**  
**XML023901-30 (MATTE BLACK)**

Square Flush  
 Recessed  
 Micro Light

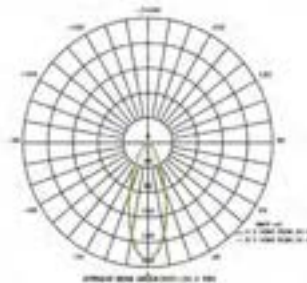


ANTIQUE BRONZE

MATTE BLACK

**SPECIFICATIONS**

Fixture Type	Fixture Components	Fixture Material	Watts	Color Temperature	Color	IP Rating	Rated Hours	Finish
Directional	Integrated Modular	Brass	3W	30K (3000K)	RGB	IP68	50,000	Antique Black



Construction: Brass  
 Finish: Antique Brush or Matte Black  
 Lead Wire: 6ft long  
 Mounting: Recessed  
 Light Source: Modular LED  
 Wattage: 3W  
 Operating Voltage: 10-15V  
 Volt/Amperes: 4.3  
 Lumens: 115 LM  
 Beam Spread: 40°  
 Color Temperature: 3000K  
 Color: RGB  
 CRI: 80+  
 Dimmable: With PRO Remote

**APPLICATION**

Environment: Wet, Damp or Dry Area approved.

Installation: Drill 1 5/8" (1.625") hole for bracket. Simple to install and easy to use. All lighting fixtures are weather resistant and require little to no maintenance.

**ENLIGHTENED OUTDOOR LIVING**

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**CERTIFICATION**

UL Listed

**WARRANTY**

Lifetime Warranty on the Housing  
 10 Year Warranty on the LED Light Source's

Warranty provided by: **LUMIEN®**

**MICRO RECESSED LIGHT**

**XML023135-WW (ANTIQUE BRONZE)**  
**XML023901-WW (MATTE BLACK)**

Square Flush  
 Recessed  
 Micro Light

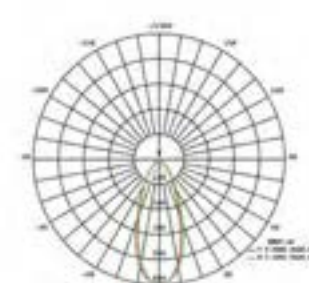


ANTIQUE BRONZE

MATTE BLACK

**SPECIFICATIONS**

Fixture Type	Fixture Components	Fixture Material	Watts	Color Temperature	RGB	IP Rating	Rated Hours	Finish
Directional	Integrated Modular	Brass	5.5W	30K (3000K)	No	IP68	50,000	Antique Black



Construction: Brass  
 Finish: Antique Brush or Matte Black  
 Lead Wire: 6ft long  
 Mounting: Recessed  
 Light Source: Modular LED  
 Wattage: 5.5W  
 Operating Voltage: 10-15V  
 Volt/Amperes: 8.66  
 Lumens: 456 LM  
 Beam Spread: 40°  
 Color Temperature: 3000K  
 RGB: No  
 CRI: 80+  
 Dimmable: Primary Dimming Capable

**APPLICATION**

Environment: Wet, Damp or Dry Area approved.

Installation: Drill 1 5/8" (1.625") hole for bracket. Simple to install and easy to use. All lighting fixtures are weather resistant and require little to no maintenance.

**ENLIGHTENED OUTDOOR LIVING**

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**CERTIFICATION**

UL Listed

**WARRANTY**

Lifetime Warranty on the Housing  
 10 Year Warranty on the LED Light Source's

Warranty provided by: **LUMIEN®**

## Micro Spotlight XLM031135-WW & XLM031901-WW

## Micro Spotlight Pro XLM031135-30 & XLM031901-30

- Mounts under a beam. Best on 4" or 8" face, (recessed part is less than 2" deep).
- Would have to be installed off center on 2" face.
- Can also be mounted on a post.
- Requires 1 3/4" hole for bracket.



## MICRO SPOTLIGHT



**XLM031135-WW (ANTIQUE BRONZE)**  
**XLM031901-WW (MATTE BLACK)**

40° Shroud  
 Recessed  
 Micro Light

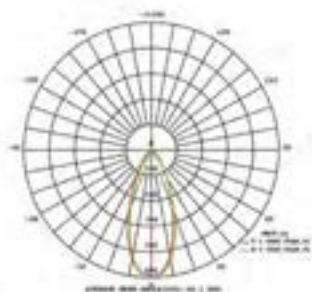


ANTIQUE BRONZE

MATTE BLACK

## SPECIFICATIONS

Fixture Type	Fixture Components	Fixture Material	Watts	Color Temperature	RGB	IP Rating	Rated Hours	Finish
Directional	Integrated Modular	Brass	5.5W	30K (3000K)	No	IP68	50,000	Antique Black



Construction: Brass  
 Finish: Antique Brush or Matte Black  
 Lead Wire: 6ft long  
 Mounting: Recessed  
 Light Source: Modular LED  
 Wattage: 5.5W  
 Operating Voltage: 10-15V  
 Volt Amperes: 8.66  
 Lumens: 368 LM  
 Beam Spread: 40°  
 Color Temperature: 3000K  
 RGB: No  
 CRI: 80+  
 Dimmable: Primary Dimming Capable

## APPLICATION

Environment: Wet, Damp or Dry Area approved.

Installation: Drill 1 3/4" (1.75") hole for bracket. Simple to install and easy to use. All lighting fixtures are weather resistant and require little to no maintenance.

## ENLIGHTENED OUTDOOR LIVING

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## CERTIFICATION

UK Listed

## WARRANTY

Lifetime Warranty on the housing,  
 10 Year Warranty on the LED Light Source  
 Warranty provided by **LUMIEN**

## MICRO SPOTLIGHT PRO



**XLM031135-30 (ANTIQUE BRONZE)**  
**XLM031901-30 (MATTE BLACK)**

40° Shroud  
 Recessed  
 Micro Light

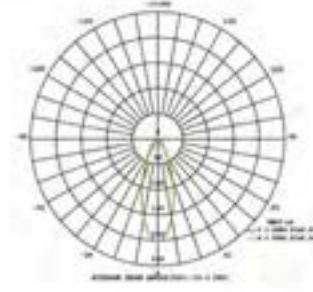
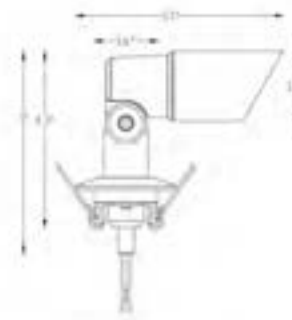


ANTIQUE BRONZE

MATTE BLACK

## SPECIFICATIONS

Fixture Type	Fixture Components	Fixture Material	Watts	Color Temperature	Color	IP Rating	Rated Hours	Finish
Directional	Integrated Modular	Brass	3W	30K (3000K)	RGB	IP68	50,000	Antique Black



Construction: Brass  
 Finish: Antique Brush or Matte Black  
 Lead Wire: 6ft long  
 Mounting: Recessed  
 Light Source: Modular LED  
 Wattage: 3W  
 Operating Voltage: 10-15V  
 Volt Amperes: 4.3  
 Lumens: 158 LM  
 Beam Spread: 40°  
 Color Temperature: 3000K  
 Color: RGB  
 CRI: 80+  
 Dimmable: With PRO Remote

## APPLICATION

Environment: Wet, Damp or Dry Area approved.

Installation: Drill 1 3/4" (1.75") hole for bracket. Simple to install and easy to use. All lighting fixtures are weather resistant and require little to no maintenance.

## ENLIGHTENED OUTDOOR LIVING

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## CERTIFICATION

UK Listed

## WARRANTY

Lifetime Warranty on the housing,  
 10 Year Warranty on the LED Light Source  
 Warranty provided by **LUMIEN**

# Micro Post Light

## XLM087135-WW & XLM087901-WW

# Micro Post Light Pro

## XLM087135-30 & XLM087901-30

- Mounts on either a 4x4 or 7x7 post.
- Bollard cap provides two different directions of light and can be rotated.
- Installed with bollard cap pointing up or down.
- Requires 3/4" hole for wire and two screws to attach the junction box to the post.





## MICRO POST LIGHT



**XML087135-WW (ANTIQUE BRONZE)**  
**XML087901-WW (MATTE BLACK)**

Bollard Cap Cover, (2) 90° Openings  
 Recessed  
 Micro Post Light

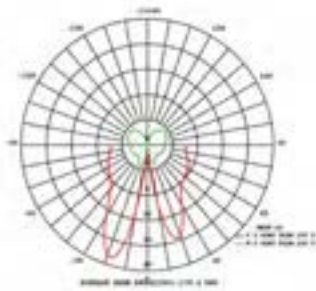


ANTIQUE BRONZE

MATTE BLACK

## SPECIFICATIONS

Fixture Type	Fixture Components	Fixture Material	Watts	Color Temperature	RGB	IP Rating	Rated Hours	Finish
Directional	Integrated Modular	Brass	5.5W	30K (3000K)	No	IP68	50,000	Antiqued Black



Construction: Brass  
 Finish: Antique Brush or Matte Black  
 Lead Wire: 6ft long  
 Mounting: Recessed  
 Light Source: Modular LED  
 Wattage: 5.5W  
 Operating Voltage: 10-15V  
 Volt Amperes: 8.66  
 Lumens: 150 LM  
 Beam Spread: 180°  
 Color Temperature: 3000K  
 RGB: No  
 CRI: 80+  
 Dimmable: Primary Dimming Capable

## APPLICATION

Environment: Wet, Damp or Dry Area approved.

Installation: Drill 3/4" (0.75") hole for wire. Simple to install and easy to use. All lighting fixtures are weather resistant and require little to no maintenance.

## ENLIGHTENED OUTDOOR LIVING

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## CERTIFICATION

UL Listed

## WARRANTY

Lifetime Warranty on the housing,  
 10 Year Warranty on the LED Light Source  
 Warranty provided by **LUMIEN**

## MICRO POST LIGHT PRO



**XML087135-30 (ANTIQUE BRONZE)**  
**XML087901-30 (MATTE BLACK)**

Bollard Cap Cover, (2) 90° Openings  
 Recessed  
 Micro Post Light

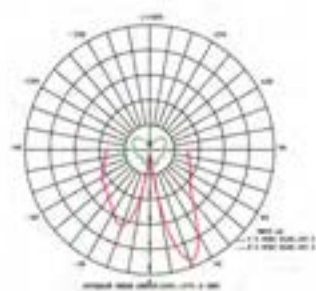


ANTIQUE BRONZE

MATTE BLACK

## SPECIFICATIONS

Fixture Type	Fixture Components	Fixture Material	Watts	Color Temperature	Color	IP Rating	Rated Hours	Finish
Directional	Integrated Modular	Brass	3W	30K (3000K)	RGB	IP68	50,000	Antiqued Black



Construction: Brass  
 Finish: Antique Brush or Matte Black  
 Lead Wire: 6ft long  
 Mounting: Recessed  
 Light Source: Modular LED  
 Wattage: 3W  
 Operating Voltage: 10-15V  
 Volt Amperes: 4.3  
 Lumens: 100 LM  
 Beam Spread: 180°  
 Color Temperature: 3000K  
 Color: RGB  
 CRI: 80+  
 Dimmable: With PRO Remote

## APPLICATION

Environment: Wet, Damp or Dry Area approved.

Installation: Drill 3/4" (0.75") hole for wire. Simple to install and easy to use. All lighting fixtures are weather resistant and require little to no maintenance.

## ENLIGHTENED OUTDOOR LIVING

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## CERTIFICATION

UL Listed

## WARRANTY

Lifetime Warranty on the housing,  
 10 Year Warranty on the LED Light Source  
 Warranty provided by **LUMIEN**

# Pro Remote XLP-REMOTE

- Controls the PRO (-30) modules.
- No programming required, just point at the light to control it.

# Lumien Transformer XTR-120 – 120 Watts XTR-250 – 250 Watts

- Converts 120 to 12V or 15V. 120 Watts or 250 Watts
- Includes built in timer and photo-cell to automatically turn on dawn to dusk.



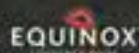
# Durable with **strong warranty**

- Outdoor lights, designed to withstand the elements.
- Lifetime warranty on fixture & 10 year warranty on light element.





## Equinox Louvered Roof x Lumien Lighting Installation Instructions

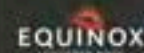


<b>Nano Recessed Light</b> XLM112901-WW XLM112135-WW <b>Nano Recessed Light Pro</b> XLM112901-30 XLM112135-30	1. Drill <b>1 1/4"</b> hole to recess bracket and light, and run wire. 2. Attach lead wire on light to the wire that is running to the transformer. 3. Push the light and bracket into the hole you drilled.
<b>Micro Recessed Light</b> XLM023901-WW XLM023135-WW <b>Micro Recessed Light Pro</b> XLM023901-30 XLM023135-30	1. Drill <b>1 5/8"</b> hole to recess bracket and light, and run wire. 2. Attach lead wire on light to the wire that is running to the transformer. 3. Push the light and bracket into the hole you drilled.
<b>Micro Spotlight</b> XLM031901-WW XLM031135-WW <b>Micro Spotlight Pro</b> XLM031901-30 XLM031135-30	1. Drill <b>1 5/8"</b> hole to recess bracket and light, and run wire. 2. Attach lead wire on surface mount to the wire that is running to transformer. 3. Squeeze together bracket and push surface mount (with bracket) into the hole you drilled. 4. Remove rubber cap from light knuckle and screw into surface mount.
<b>Micro Post Light</b> XLM087901-WW XLM087135-WW <b>Micro Post Light Pro</b> XLM087135-30 XLM087901-30	1. Drill <b>3/4"</b> hole and run wire. 2. Unscrew cap from junction box. 3. Attach lead wire on junction box to the wire that is running to the transformer. 4. Attach junction box to post with two #10 screws, so that the slot on junction box is facing down. 5. Screw cap back onto junction box. 6. Remove rubber cap from bollard. 7. Screw the bollard onto the junction box.

### IMPORTANT NOTES

1. It is recommended to use 12/2, low voltage landscape wiring to connect the lead from the light to the transformer.
2. When connecting to the transformer, the wires should be attached to two connectors, the common and the 15V.

## Equinox Louvered Roof x Lumien Lighting Installation Instructions



### Spacing for Lumien Lights

		6'	9'	10'	11'	12'
Nano Recessed Light	XLM112135-WW XLM112901-WW	5' 4"	8'	6' 8"	7' 4"	8'
Nano Recessed Light Pro	XLM112135-30 XLM112901-30	4' 5"	3'	5' 7"	6' 1"	6' 8"
Micro Recessed Light	XLM023135-WW XLM112901-WW	5' 9"	6' 6"	7' 2"	7' 11"	8' 8"
Micro Recessed Light Pro	XLM023135-30 XLM023901-30	5' 3"	5' 11"	6' 6"	7' 2"	7' 10"
Micro Spotlight	XLM031135-WW XLM031901-WW	5' 9"	6' 6"	7' 2"	7' 11"	8' 8"
Micro Spotlight Pro	XLM031135-30 XLM031901-30	5' 2"	5' 10"	6' 6"	7' 1"	7' 9"
Micro Post Light	XLM087135-WW XLM087901-WW	EVERY POST				
Micro Post Light Pro	XLM087135-30 XLM087901-30	EVERY POST				

### Max Number of Lights Based on Transformer

		Watts	Max # Lights TR-120	Max # Lights TR-250
Nano Recessed Light	XLM112135-WW XLM112901-WW	2.5	48	100
Nano Recessed Light Pro	XLM112135-30 XLM112901-30	2	60	125
Micro Recessed Light	XLM023135-WW XLM112901-WW	5.5	21	45
Micro Recessed Light Pro	XLM023135-30 XLM023901-30	3	40	83
Micro Spotlight	XLM031135-WW XLM031901-WW	5.5	21	45
Micro Spotlight Pro	XLM031135-30 XLM031901-30	3	40	83
Micro Post Light	XLM087135-WW XLM087901-WW	5.5	21	45
Micro Post Light Pro	XLM087135-30 XLM087901-30	3	40	83

### Voltage Drop Calculator (when using 12/2 wire)

$$\frac{\text{TOTAL WATTS ON THE WIRE} \times \text{WIRE RUN LENGTH}}{7,490} = \text{VOLTAGE DROP}$$

NOTE: Need a 10V - 15V output for lights to work correctly.



## Spacing for Lumien Lights

		8'	9'	10'	11'	12'
Nano Recessed Light	XLM112135-WW XLM112901-WW	5' 4"	6'	6' 8"	7' 4"	8'
Nano Recessed Light Pro	XLM112135-30 XLM112901-30	4' 5"	5'	5' 7"	6' 1"	6' 8"
Micro Recessed Light	XLM023135-WW XLM112901-WW	5' 9"	6' 6"	7' 2"	7' 11"	8' 8"
Micro Recessed Light Pro	XLM023135-30 XLM023901-30	5' 3"	5' 11"	6' 6"	7' 2"	7' 10"
Micro Spotlight	XLM031135-WW XLM031901-WW	5' 9"	6' 6"	7' 2"	7' 11"	8' 8"
Micro Spotlight Pro	XLM031135-30 XLM031901-30	5' 2"	5' 10"	6' 6"	7' 1"	7' 9"
Micro Post Light	XLM087135-WW XLM087901-WW	EVERY POST				
Micro Post Light Pro	XLM087135-30 XLM087901-30	EVERY POST				

## Max Number of Lights Based on Transformer

		Watts	Max # Lights TR-120	Max # Lights TR-250
Nano Recessed Light	XLM112135-WW XLM112901-WW	2.5	48	100
Nano Recessed Light Pro	XLM112135-30 XLM112901-30	2	60	125
Micro Recessed Light	XLM023135-WW XLM112901-WW	5.5	21	45
Micro Recessed Light Pro	XLM023135-30 XLM023901-30	3	40	83
Micro Spotlight	XLM031135-WW XLM031901-WW	5.5	21	45
Micro Spotlight Pro	XLM031135-30 XLM031901-30	3	40	83
Micro Post Light	XLM087135-WW XLM087901-WW	5.5	21	45
Micro Post Light Pro	XLM087135-30 XLM087901-30	3	40	83

## Voltage Drop Calculator (when using 12/2 wire)

$$\frac{\text{TOTAL WATTS ON THE WIRE} \times \text{WIRE RUN LENGTH}}{7,490} = \text{VOLTAGE DROP}$$

*NOTE: Need a 10V - 15V output for lights to work correctly.*

## Equinox Louvered Roof x Lumien Lighting Pricing Guide



	White Light	Color Light (Pro)
Nano Recessed Light	\$105.96 	\$140.34 
Micro Recessed Light	\$124.20 	\$148.05 
Micro Spotlight	\$271.66 	\$295.51 
Micro Post Light	\$249.45 	\$273.30 
Lumien Pro Remote	-	\$88.38 
	120 W	250 W
Transformers	\$206.87 	\$282.30 

# 25% OFF

## ALL PERGOLA LIGHTING SOLUTIONS

for a limited time only, promotion ends October 14, 2023

EQUINOX  
LOUVERED ROOF

### Enlightened Outdoor Living.

Equinox Louvered Roof has partnered with Lumien Lighting to bring you new, state-of-the-art lighting products that take your outdoor living space to the next level. Continue to enjoy your patio after the sun goes down with this selection of easy-to-use, innovative lighting fixtures.

#### MICRO POST LIGHT



The **Micro Post Light** is attached to the Equinox Louvered Roof posts using a recessed mount piece. This 3-watt lighting fixture with a decorative tubular design provides a soft, directional light source for your outdoor living space. This brass fixture is available in Antique Bronze and Matte Black.

#### MICRO SPOTLIGHT



The **Micro Spotlight** can be attached along Equinox Louvered Roof beams or posts using a recessed mount. This adjustable 5.5-watt lighting fixture provides focused, directional light on chosen areas to create a soothing, comfortable ambiance for evenings outdoors. This brass fixture is available in Antique Bronze and Matte Black.

#### MICRO RECESSED



The **Micro Recessed Light** has a stylish 2.5" square design that is installed flush with Equinox Louvered Roof beams or posts. This 3-watt lighting fixture provides directional, soft light for evenings in your outdoor living space. This brass fixture is available in Antique Bronze and Matte Black.


#### NANO RECESSED



The **Nano Recessed Light** has a stylish 1.7" square design that is installed flush with Equinox Louvered Roof beams or posts. This 2.5-watt lighting fixture provides directional, soft light for evenings in your outdoor living space. This brass fixture is available in Antique Bronze and Matte Black.

ALL MODELS ARE AVAILABLE IN PRO VERSIONS, WHICH INCLUDES DIMMABLE COLOR LIGHTING AND A PRO REMOTE CONTROL.

Ready to order? Contact your sales representative today!

 EQUINOXROOF.COM





# Additional Dealer Resources

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# Territory Manager

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- First contact should be to your territory manager.
- They can help you get to the right person

# Webinars

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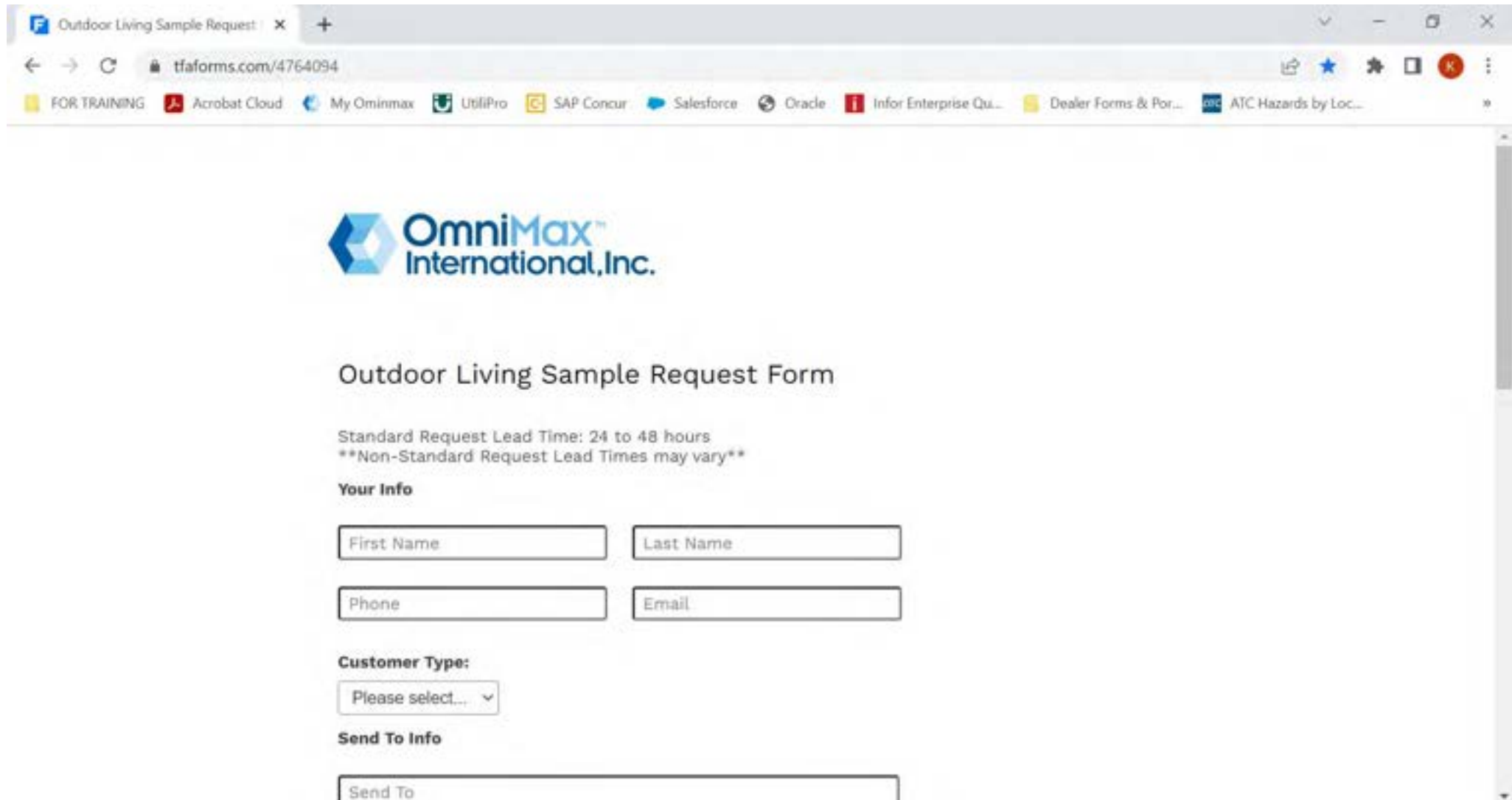
- Three-part series that covers most of the topics we reviewed today.
- Contact your TM for the Zoom link to register and attend.

**Equinox 1** – Intro to Equinox & Installation Review (including motor programming)

**Equinox 2** – Review Equinox Engineering & How to Quote a System

**Equinox 3** – Equinox Advanced Building Techniques (including Equinox lighting, water management, fan beams, pivot clips) & Other Resources

# Outdoor Living Sample Request Form




The screenshot shows a web browser window with the title "Outdoor Living Sample Request" and the URL "tfaforms.com/4764094". The browser's address bar and tabs are visible. The main content area displays the OmniMax International, Inc. logo at the top. Below the logo, the title "Outdoor Living Sample Request Form" is centered. A note states "Standard Request Lead Time: 24 to 48 hours" and "\*\*Non-Standard Request Lead Times may vary\*\*". The form is divided into sections: "Your Info" with fields for "First Name", "Last Name", "Phone", and "Email"; "Customer Type:" with a dropdown menu showing "Please select..."; and "Send To Info" with a "Send To" field.

Outdoor Living Sample Request

tfaforms.com/4764094

FOR TRAINING Acrobat Cloud My Ominmax UtiliPro SAP Concur Salesforce Oracle Infor Enterprise Qu... Dealer Forms & Por... ATC Hazards by Loc...



Outdoor Living Sample Request Form

Standard Request Lead Time: 24 to 48 hours  
\*\*Non-Standard Request Lead Times may vary\*\*

**Your Info**

First Name Last Name

Phone Email

**Customer Type:**

Please select... ▾

**Send To Info**

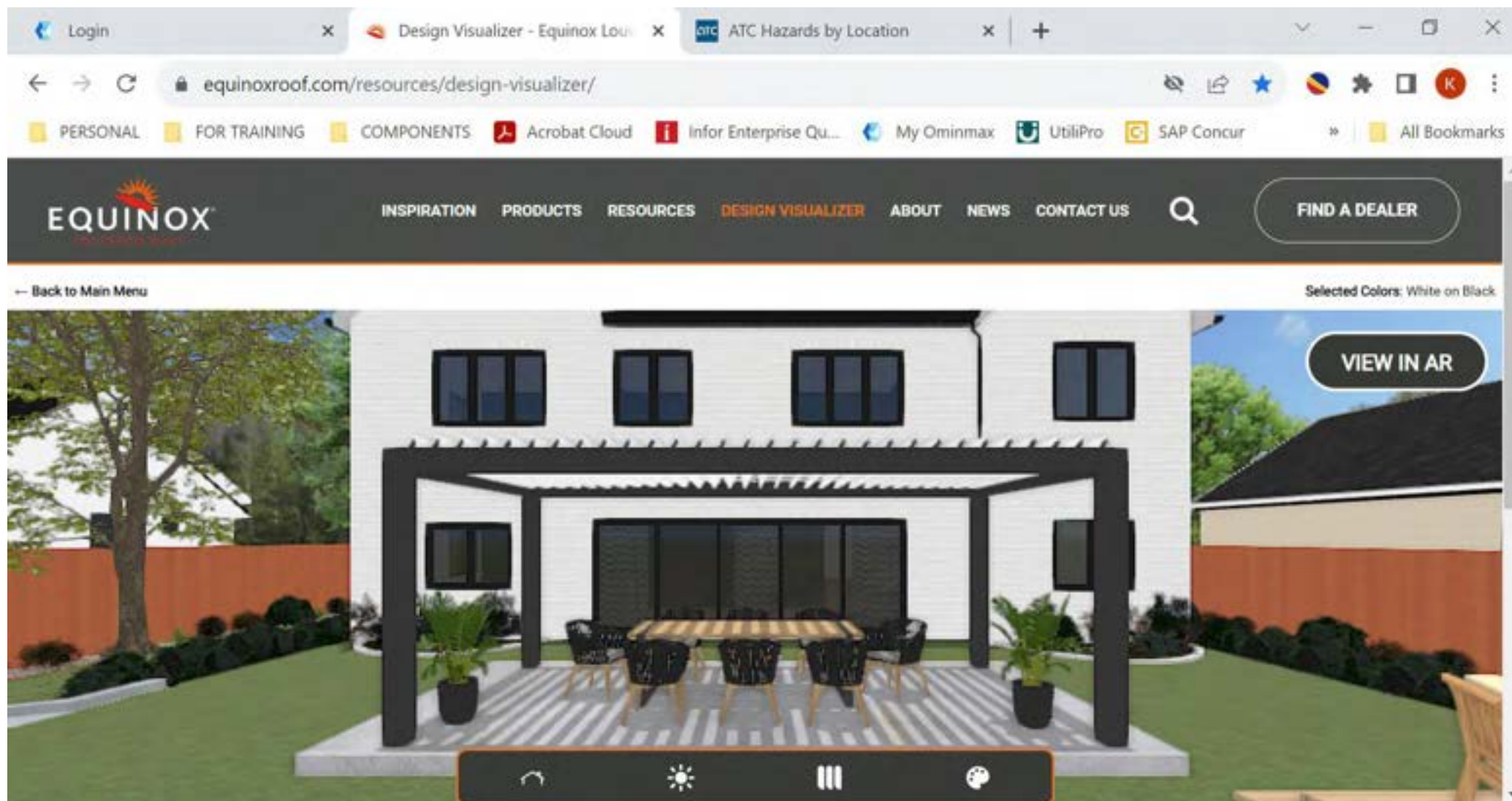
Send To



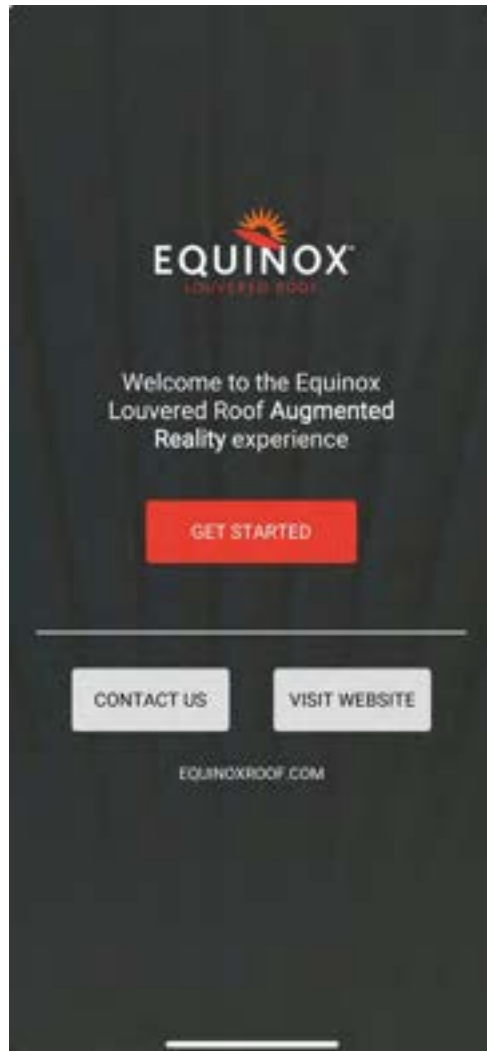
# 2023 Equinox Brochure



# Equinox Visualizer



# Equinox AR App





# Equinox National Exposure





# Equinox Fraternity Of Dealers

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- Private Facebook group for Equinox dealers to share projects and ask questions.
- [Equinox Fraternity Of Dealers](#)



# Equinox Training & Troubleshooting Videos

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- YouTube channel with videos on various topics.
- [Equinox Training Videos](#)



# Somfy Pro & Somfy University

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## Somfy Technical Support

- 1 (800) 437-6639, Option 3, Option 1
- Monday to Friday, 8 am to 8 pm, EST



## [Somfy Pro](#)

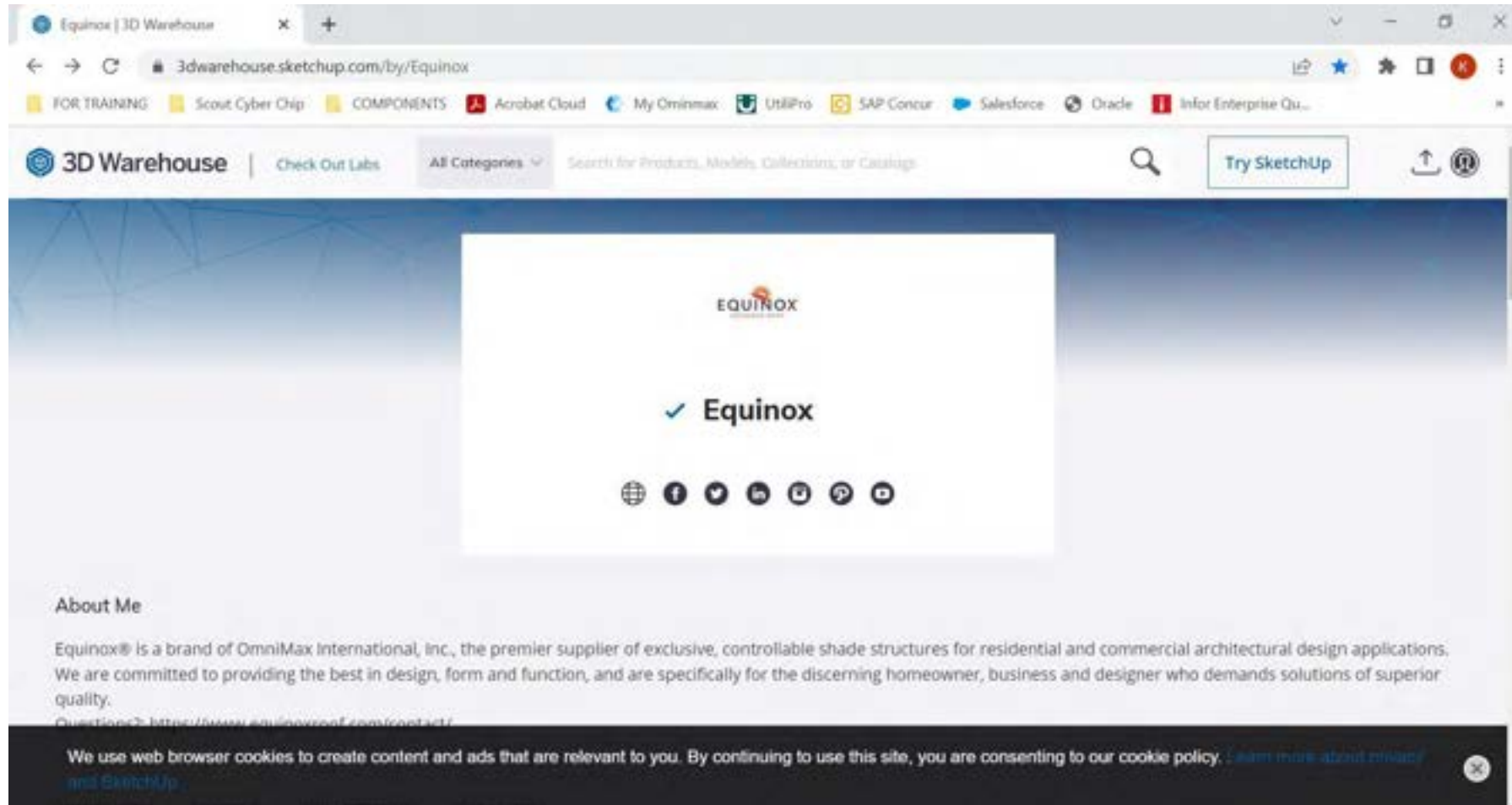
- Additional Somfy resources, including programming guides and spec sheets.

## [Somfy University](#)

- Register on Somfy's website.
- Training videos including how to integrate Somfy RTS within over home automation systems.

# Sketch Up 3D Warehouse

## Third Party Software





# Questions?