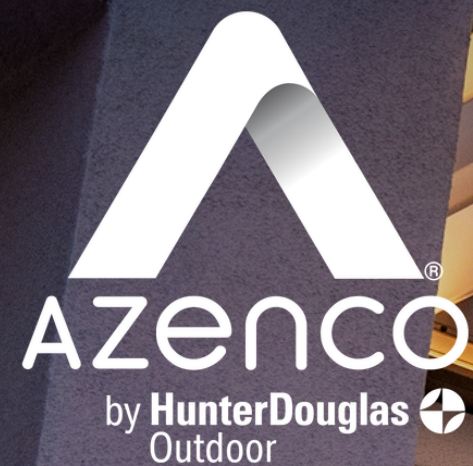




DESIGN SHEET

R-BLADE™

MOTORIZED LOUVERED PERGOLA



01 Technical Specs

02 Warranty

03 Color Chart

04 Lighting

This document is the intellectual property of Azenco Outdoor and is intended solely for certified dealers; distribution is prohibited.



Technical Specs

Dimensions

maximum height under beam

6.5" x 6.5" post - height: 141"

8" x 8" post - height: 177"

CANTILEVER POST
1/3 beam size, up
to 4ft

**CORNER
POST**

4" above for maintenance

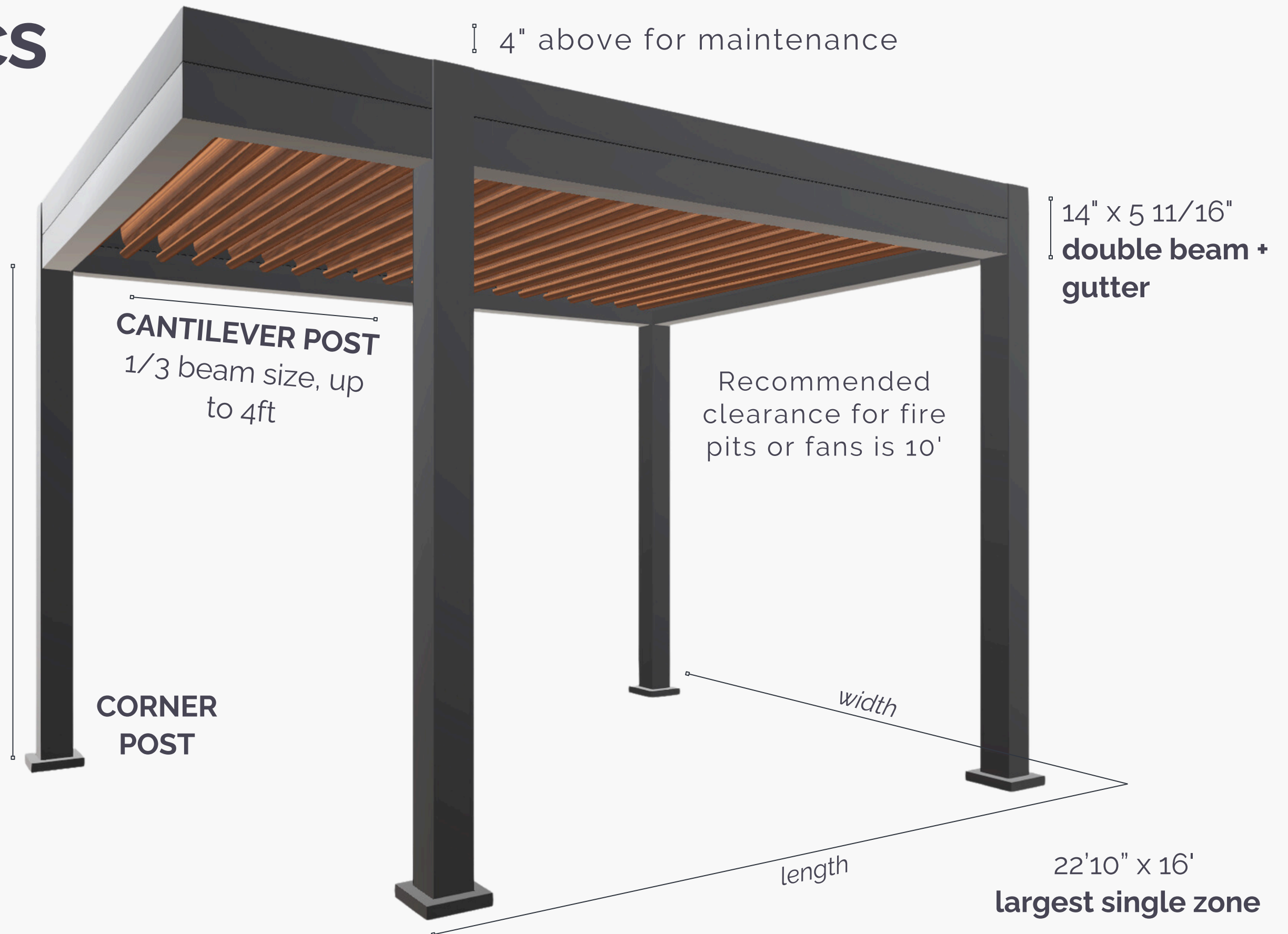
14" x 5 11/16"
**double beam +
gutter**

Recommended
clearance for fire
pits or fans is 10'

width

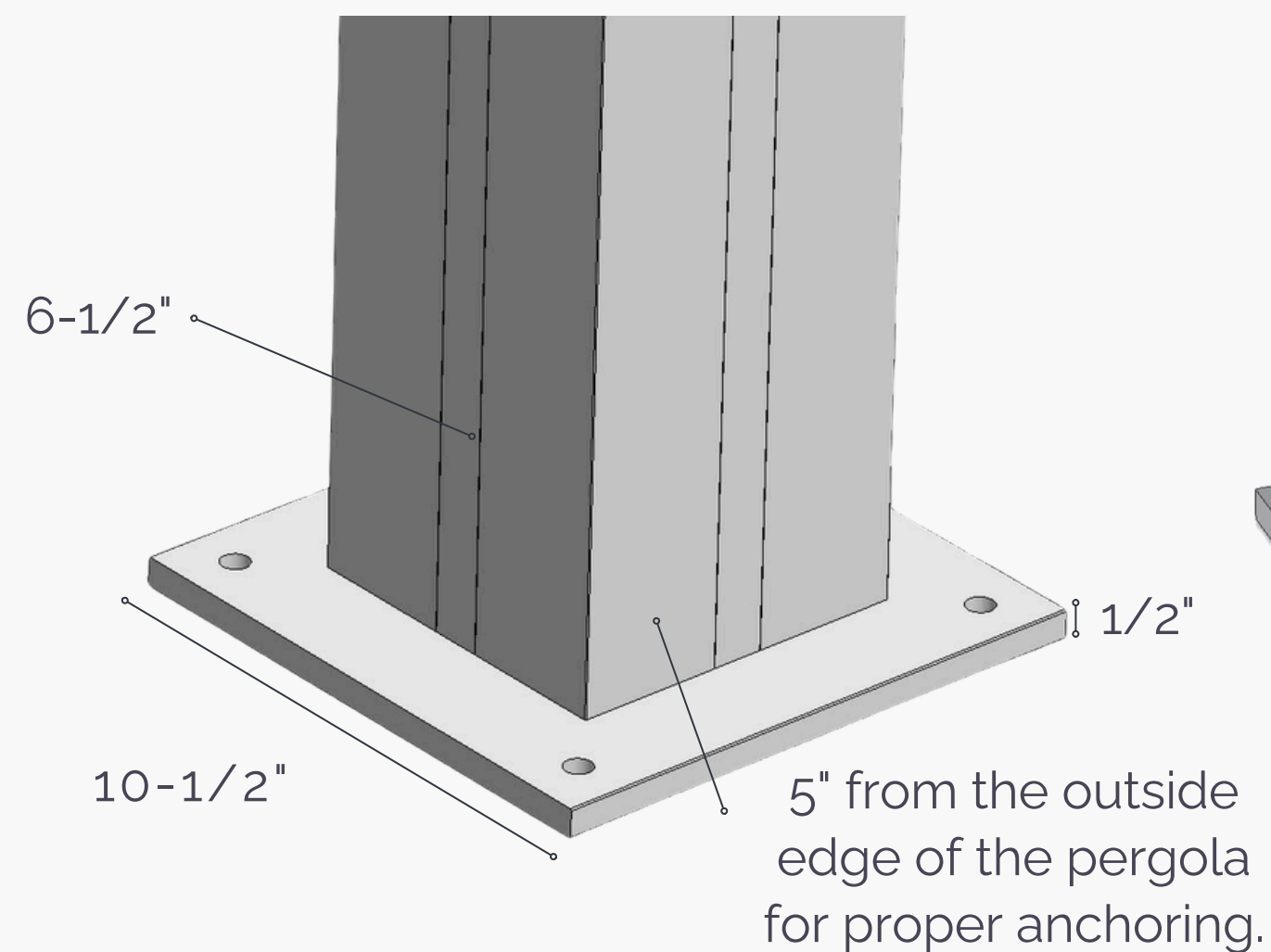
length

22'10" x 16'
largest single zone

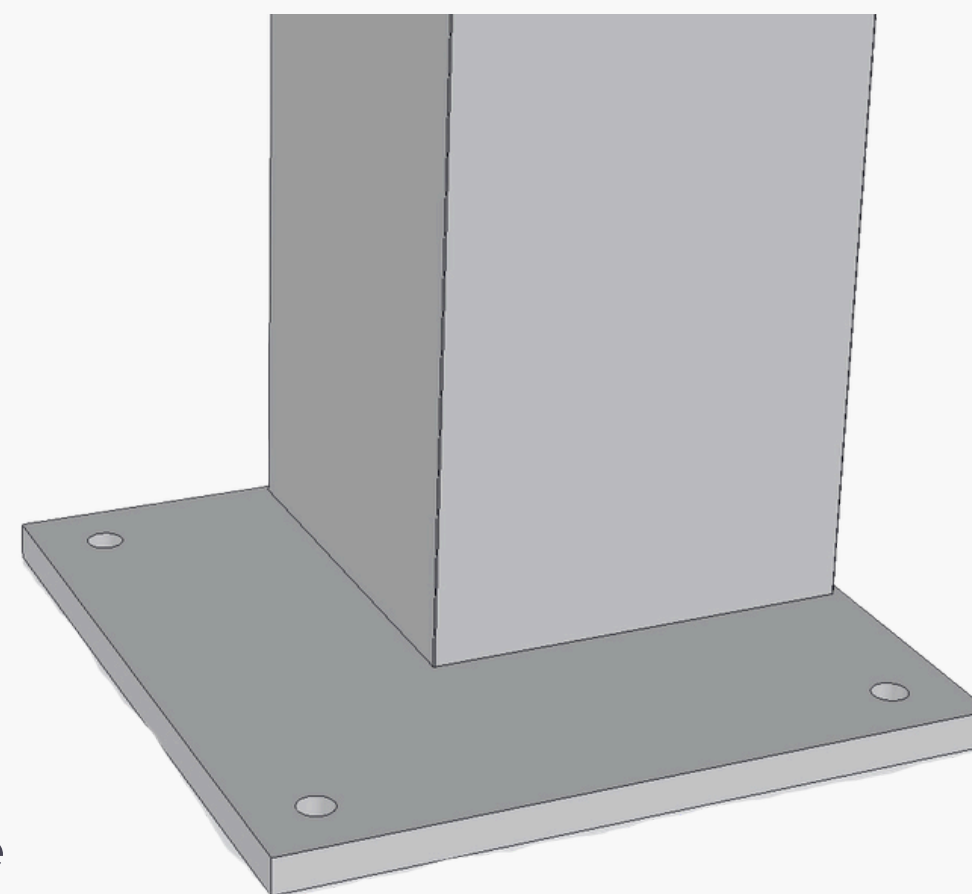


Base Plate

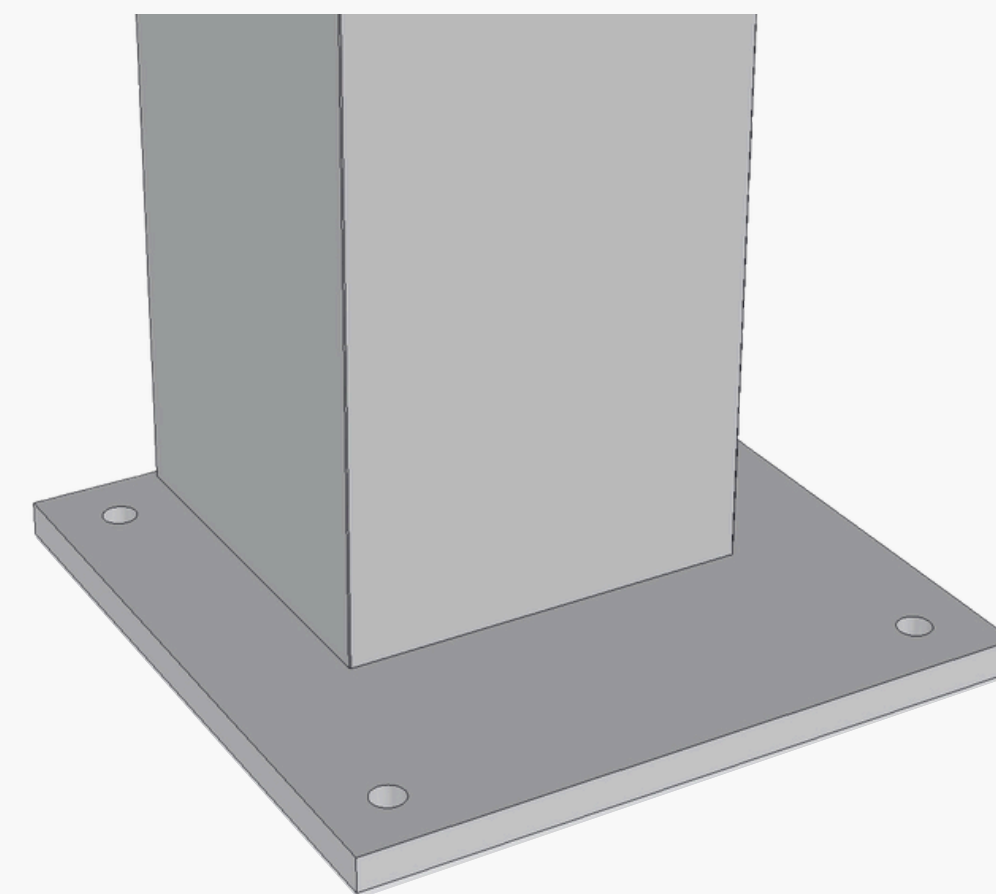
Technical Specs



Center Base Plate



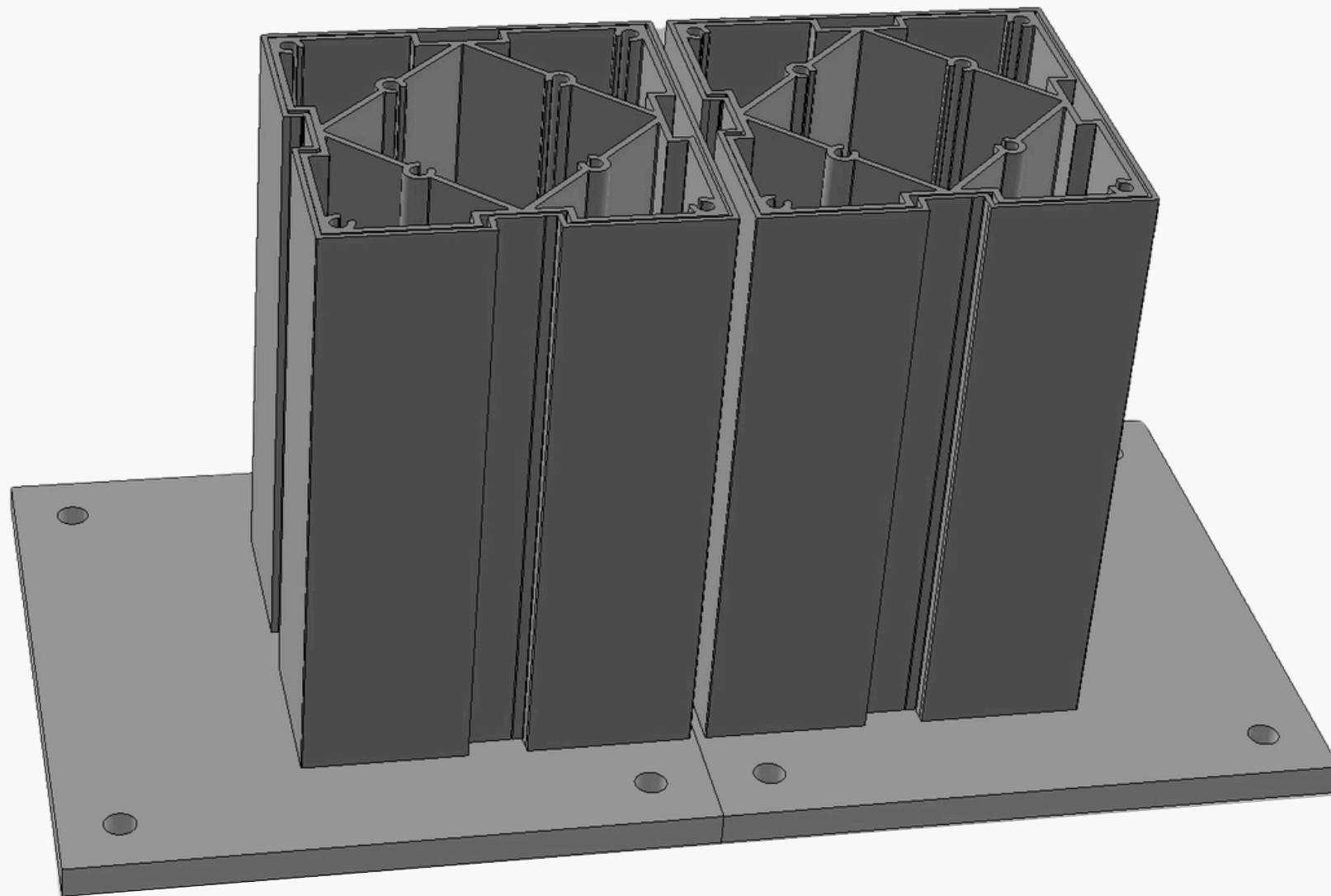
Corner Base Plate



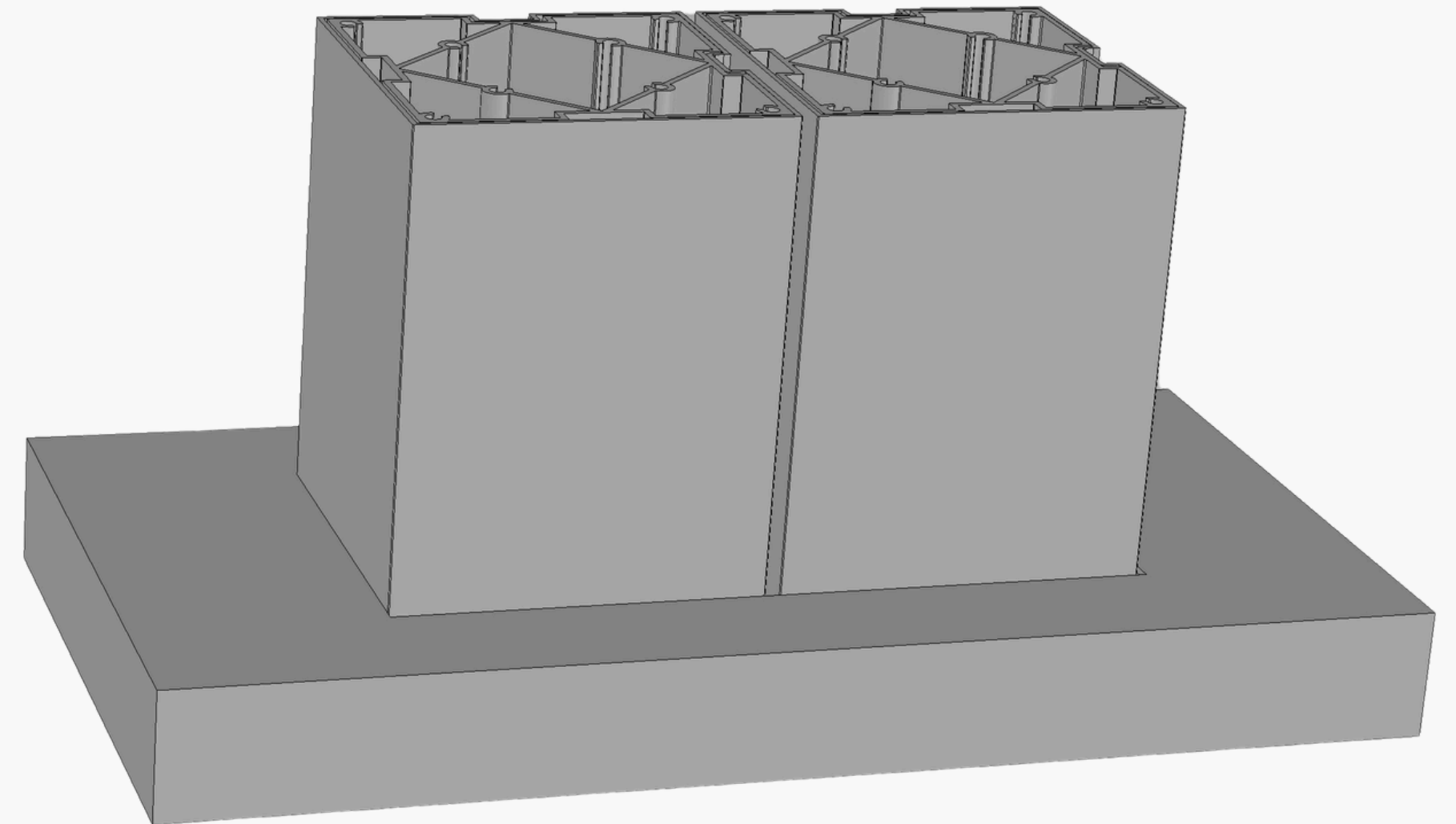
Eccentric Base Plate

Base Plate

Technical Specs



Double Eccentric Base Plate



Double Base Plate Cover

Drainage

Technical Specs



2 TYPES OF DRAINAGE

PVC pipes installed below ground;

Scuppers placed either in the post or along the gutter.



1/16" pitch per foot towards the draining posts, in the same direction as louvers to optimize drainage.

2 scuppers provided per zone



FOR CANTILEVER POST

Scupper required in gutter.



Weather

Technical Specs



90° Maximum opening of louvers
9.53" Louvers opening space



WIND LOAD CAPACITY

Closed Louvers:
Up to 190 mph

Opened Louvers:
Up to 190 mph



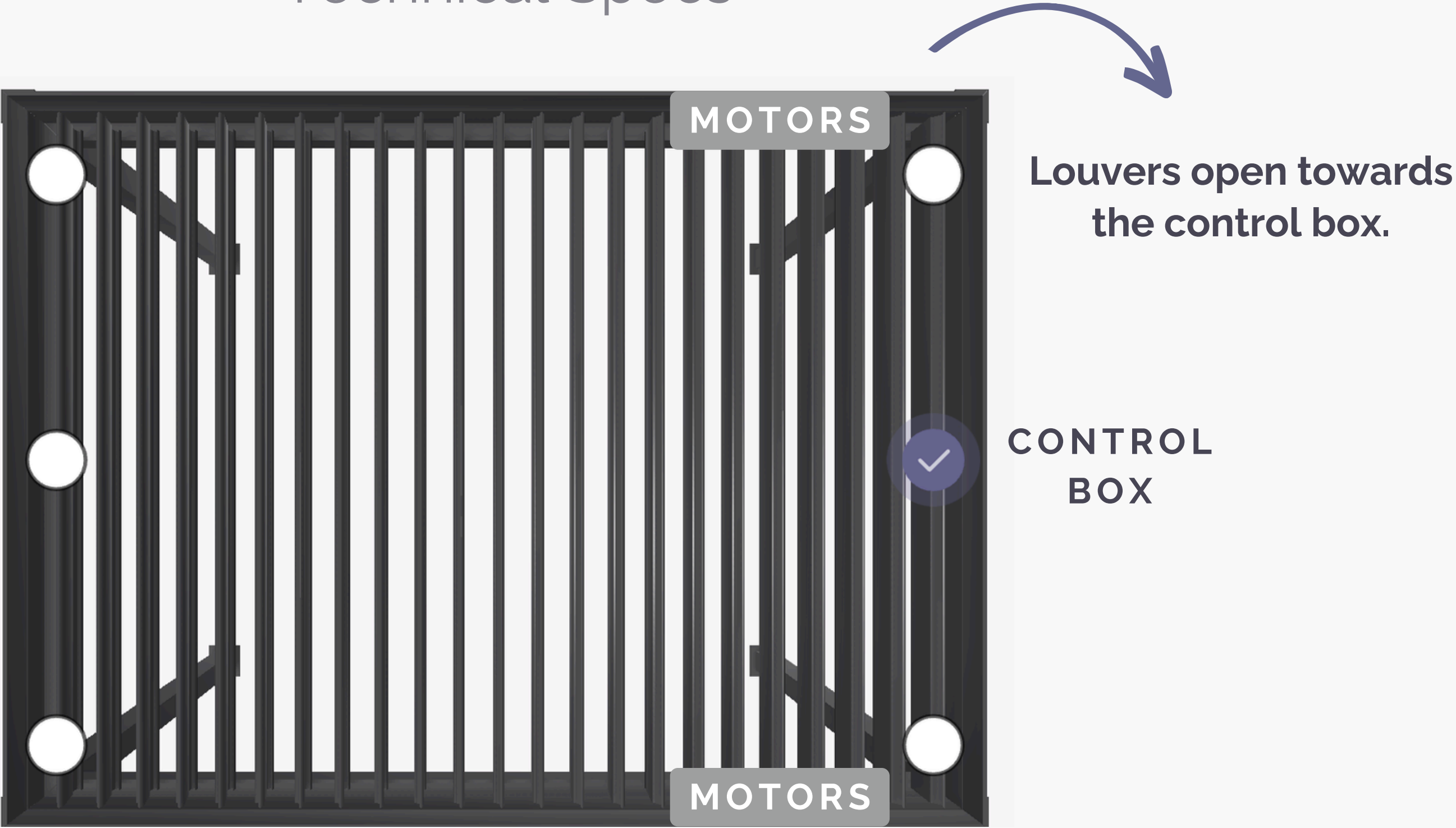
SNOW LOAD CAPACITY

Closed Louvers:
Up to 60 lbs/sq. ft.

Opened Louvers:
Up to 100 lbs/sq. ft

Control Box

Technical Specs



Control Box

Technical Specs



Remote Control



Bond App + Bridge



Dimensions

Technical Specs

NO RIPPING REQUIRED

If your pergola dimension falls within any of the listed ranges, no cutting of the last louver will be necessary.

Note: For pergola dimensions falling outside these ranges, custom ripping will be required, and the **louvers will be fixed**.

For a time-efficient installation, we recommend selecting a pergola length that aligns with these measures.

Pergola Length Range	Last Louver
57 17/32" - 59 1 /32"	6
65 7/16" - 66 15 /16"	7
73 11/32" - 74 27 /32"	8
81 9/32" - 82 3 /4"	9
89 3/16" - 90 21 /32"	10
97 3/32" - 98 19 /32"	11
105 1/32" - 106 1 /2"	12
112 15/16" - 114 13 /32"	13
120 27/32" - 122 5 /16"	14
128 3/4" - 130 1 /4"	15
136 21/32" - 138 5 /32"	16
144 9/16" - 146 1 /16"	17
152 1/2" - 153 31 /32"	18
160 13/32" - 161 7/8"	19

Pergola Length Range	Last Louver
168 5/16" - 169 13/16"	20
176 1/4" - 177 23/32"	21
184 5/32" - 185 5/8"	22
192 1/16" - 193 17 /32"	23
199 31/32" - 201 15 /32"	24
207 7/8" - 209 3 /8"	25
215 25/32" - 217 9/32"	26
223 23/32" - 225 3/16"	27
231 5/8" - 233 1/8"	28
239 17/32" - 241 1/32"	29
247 15/32" - 248 15/16"	30
255 3/8" - 256 27/32"	31
263 9/32" - 264 3/4"	32
271 3/16" - 272 11/16"	33
always cut	34



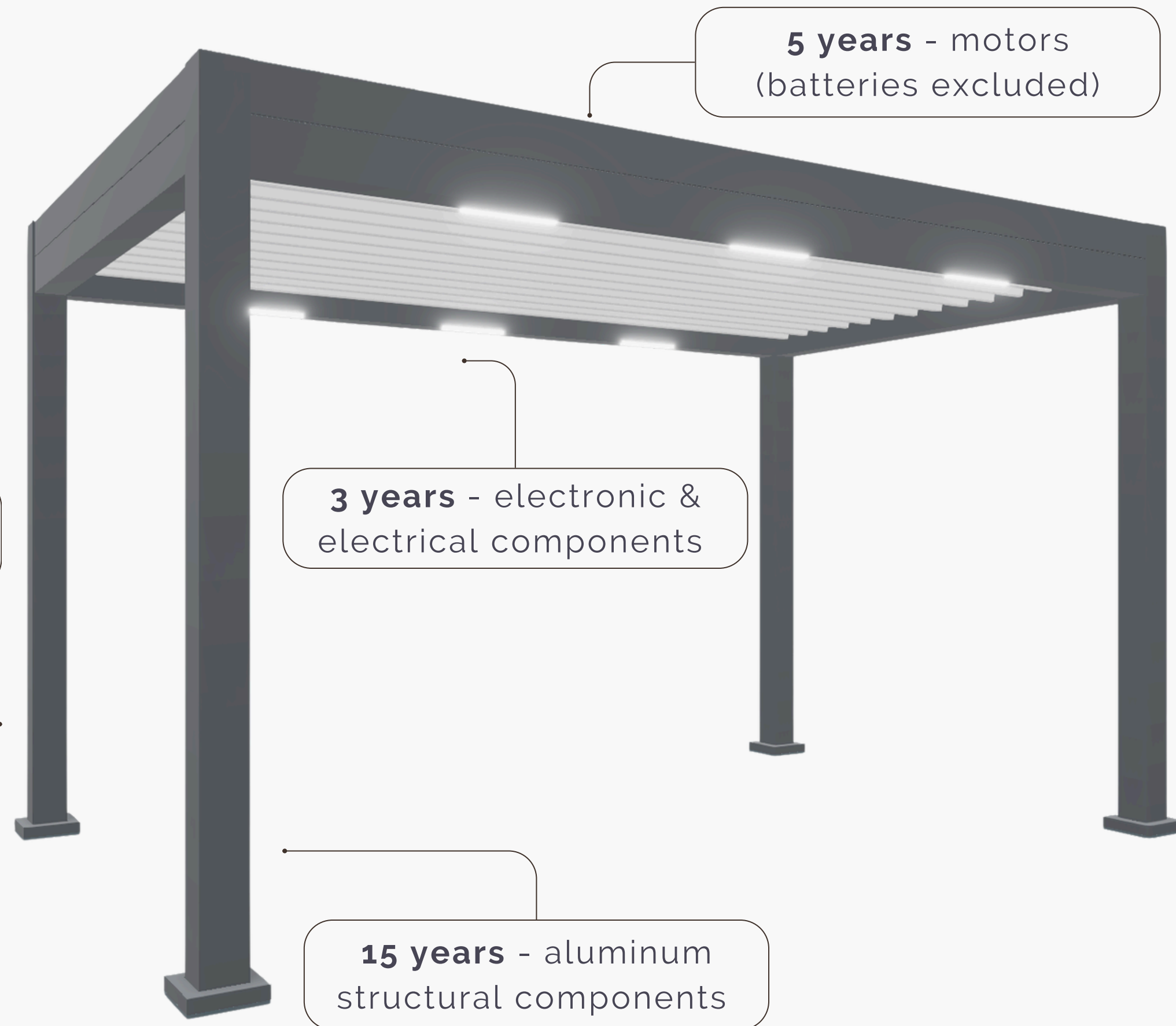
Weight

Frame Only

ADD 43 LBS PER POST

LENGTH	WIDTH							
ft	8'	9'	10'	11'	12'	13'	14'	15'
8'	235 lbs	503 lbs	520 lbs	566 lbs	583 lbs	626 lbs	697 lbs	696 lbs
9'	246 lbs	569 lbs	587 lbs	640 lbs	658 lbs	708 lbs	785 lbs	785 lbs
10'	268 lbs	612 lbs	629 lbs	687 lbs	704 lbs	759 lbs	838 lbs	838 lbs
11'	272 lbs	660 lbs	678 lbs	743 lbs	761 lbs	823 lbs	908 lbs	909 lbs
12'	289 lbs	711 lbs	729 lbs	798 lbs	815 lbs	882 lbs	971 lbs	970 lbs
13'	293 lbs	778 lbs	796 lbs	873 lbs	891 lbs	965 lbs	1,060 lbs	1,060 lbs
14'	330 lbs	839 lbs	857 lbs	939 lbs	956 lbs	1,034 lbs	1,132 lbs	1,132 lbs
15'	338 lbs	887 lbs	918 lbs	995 lbs	1,013 lbs	1,098 lbs	1,202 lbs	1,202 lbs
16'	338 lbs	911 lbs	905 lbs	1,023 lbs	1,041 lbs	1,130 lbs	1,238 lbs	1,238 lbs
17'	375 lbs	997 lbs	1,015 lbs	1,117 lbs	1,134 lbs	1,231 lbs	1,345 lbs	1,345 lbs
18'	282 lbs	1,021 lbs	1,039 lbs	1,145 lbs	1,162 lbs	1,263 lbs	1,380 lbs	1,380 lbs
19'	382 lbs	1,069 lbs	1,087 lbs	1,201 lbs	1,219 lbs	1,327 lbs	1,450 lbs	1,450 lbs
20'	418 lbs	1,129 lbs	1,147 lbs	1,265 lbs	1,283 lbs	1,395 lbs	1,521 lbs	1,521 lbs
21'	425 lbs	1,177 lbs	1,195 lbs	1,322 lbs	1,339 lbs	1,460 lbs	1,591 lbs	1,591 lbs
22'10"	426 lbs	1,249 lbs	1,267 lbs	1,406 lbs	1,424 lbs	1,556 lbs	1,697 lbs	1,697 lbs

Warranty



TECHNICAL SPECS

WARRANTY



COLOR CHART

LIGHTING

Color Chart

Frame Standard Colors

3 - 4 Weeks Lead Time



WHITE MAT SMOOTH



DARK GRAY TEXTURED



BLACK TEXTURED



BRONZE TEXTURED

TECHNICAL SPECS

WARRANTY



COLOR CHART

LIGHTING

Color Chart

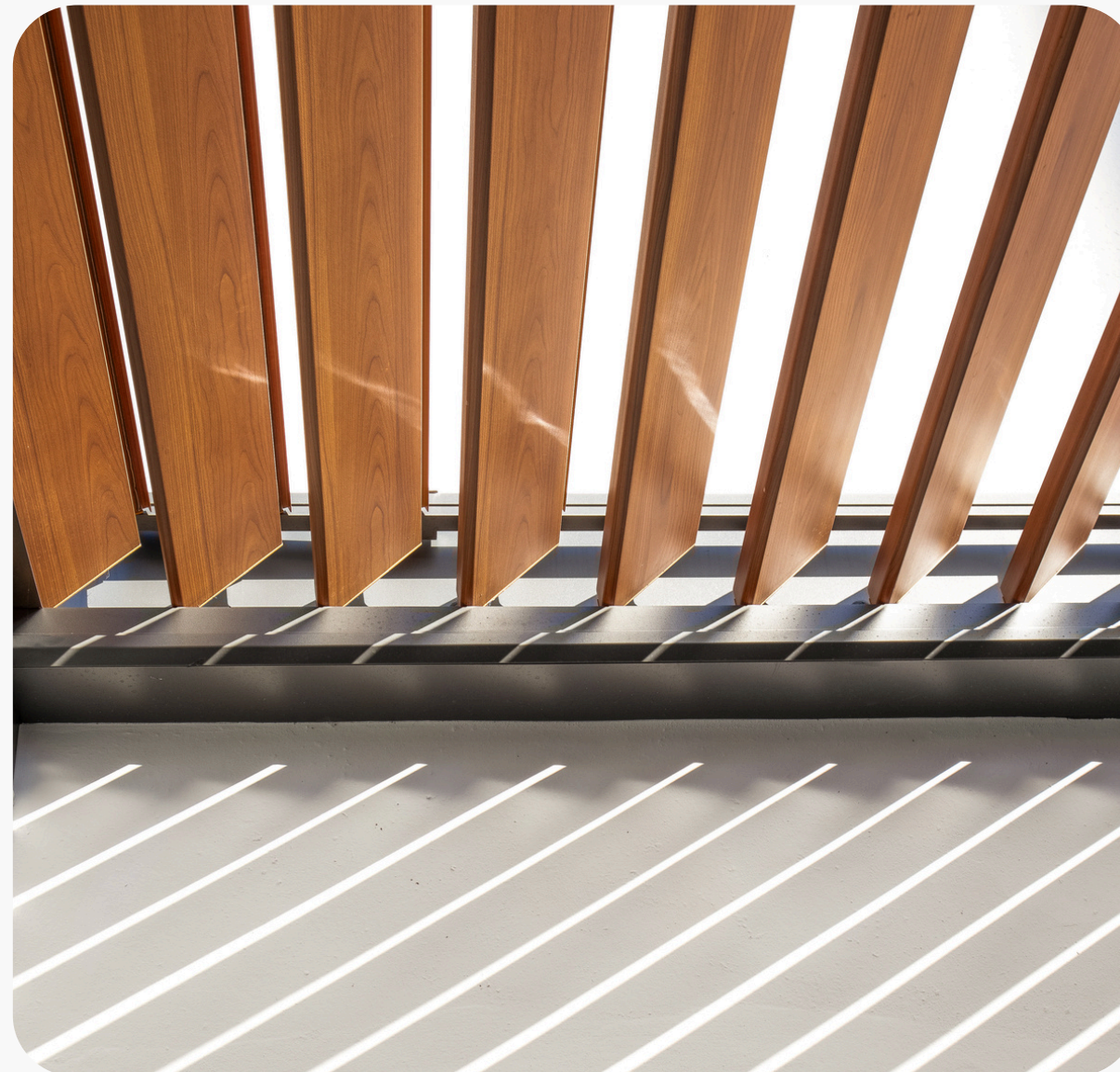
Custom Colors

3 - 4 Weeks Lead Time



TEXTURED CHERRY

6 - 10 Weeks Lead Time



14 SHADES OF WOOD GRAIN FINISH

5 - 12 Weeks Lead Time



CUSTOM COLOR RAL OR MATCH

Lighting

Options



RECESSED LIGHTS

Accessory beam
Recommended - 2.5ft intervals, 1ft from frame

DIRECT LIGHTING 4W - 24V - 320lm



LED BARS

Frame - Accessory Beam
Recommended - 3ft intervals, 1ft from frame

DIRECT LIGHTING 12W - 24V - 630lm



RGBW LED STRIPS

Frame - either on length, width, or the entire frame.

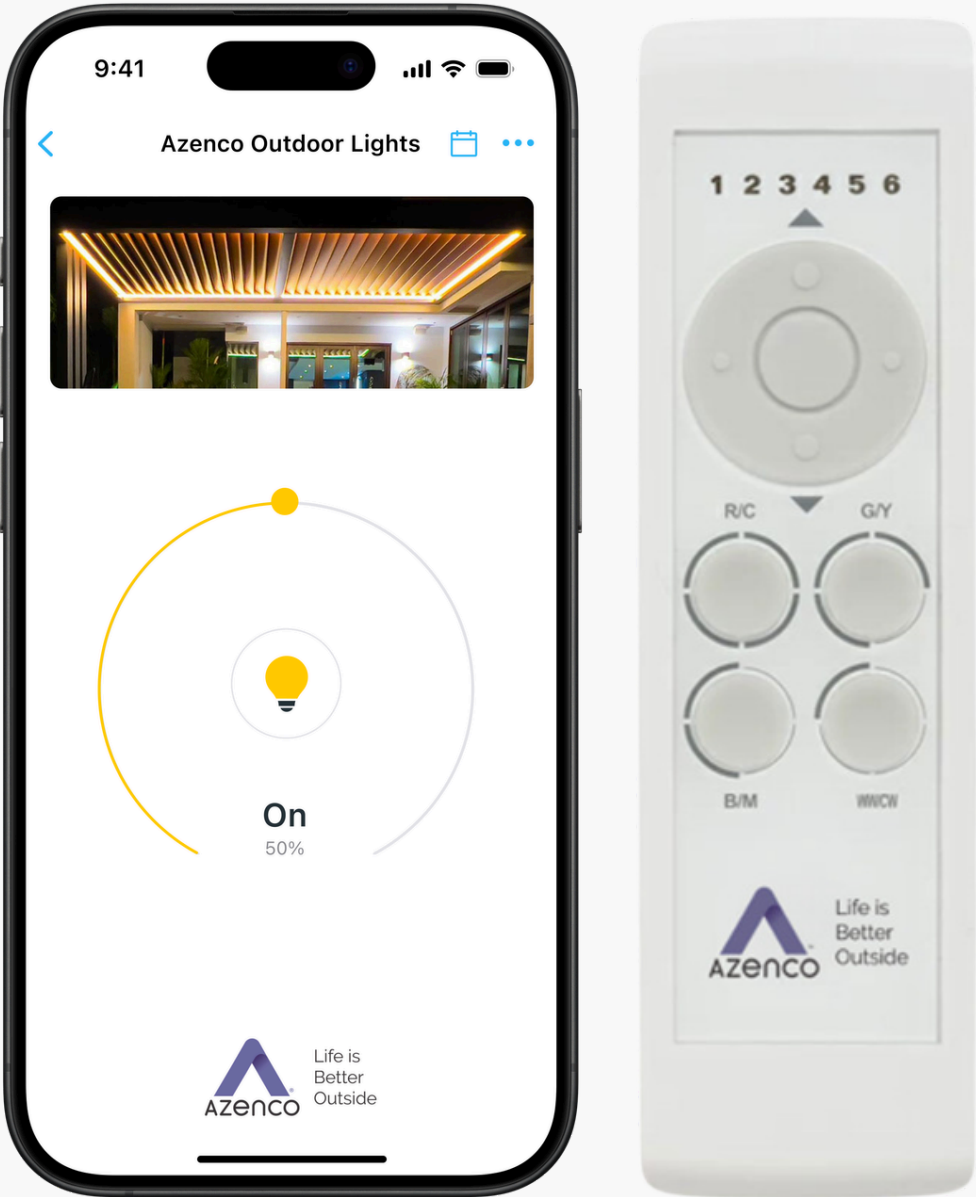
Accent Lighting 4.5W/ft - 24V - 730lm

Beware of the potential strobing effect when a fan is on

Lighting

Options

CONTROL BOX (INCLUDED) 20 AMP OUTLET		LIGHT CONTROL BOX (OPTIONAL) 20 AMP OUTLET	
# OF CHANNELS	2 channels		4 channels
LIGHTING OPTIONS	Recessed Light	LED Bar	LED Strip
MAX PER CHANNEL	6	or 4	1
MAX PER CONTROL BOX	12	or 8	4



Remember that you can mix and match the lights across different channels to create various configurations within the limits provided.

2700K & dimmable - **controllable with Remote Control & App**



Life is Better Outside

(305) 306-3204 | azenco-outdoor.com