



OWNER'S MANUAL & WARRANTY

ADVANCEGUARD FOOD SHIELDS

LIGHTS & WARMERS

Thank you for choosing products from BSI. We appreciate your business and are available to assist you with all of your needs.

This manual has been designed to help you better understand your product and its proper usage.

If you have questions that go beyond this detailed manual, please contact our Customer Service Department at 1.800.662.9595.

Thank you,
The BSI Team

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This manual is an important part of your equipment. Your owner's manual should be stored in a safe location, as it will be useful for the life of your product. It contains important safety information concerning the maintenance, operation, and servicing of these products.

Failure to properly follow this manual may result in serious injury. Do not operate this equipment unless you have read and understood the manual contents.

IMPORTANT OWNER INFORMATION

Record your guards' model number(s) and warming unit serial number(s) (if applicable) to use as a reference when contacting your local representative or BSI headquarters.

Model No.:	
Serial No.:	
Model No.:	
Serial No.:	
Date of Purchase:	
Other:	

BSI Corporate Contact Information

Business Hours: 8:00 AM to 5:00 PM MST
Telephone: 800.662.9595
Fax: 303.331.8444
Web Address: www.bsidesigns.com

SAFETY PRECAUTIONS



The AdvanceGuard food shield must be installed in accordance with applicable installation code by a person familiar with the product's construction, operation, and potential hazards involved.

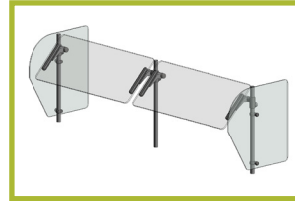
RECEIPT AND INSPECTION OF EQUIPMENT

Care should be taken during unloading and uncrating to avoid equipment damage.

1. Visually inspect the package, skid, or container exterior. Any damage should be noted and reported to the delivering carrier immediately.
2. Open and inspect contents for broken glass and verify that all items were received.
3. In the event that damage is discovered, notify the carrier and request freight damage forms.
4. Request an inspection by the shipping company of the damaged equipment. This should be done within 10 days of equipment receipt.
5. Retain all crating materials until an inspection has been made or waived.
6. All packages contain a product owner's manual and warranty document, along with installation drawings for your installer.

ADVANCEGUARD MODELS

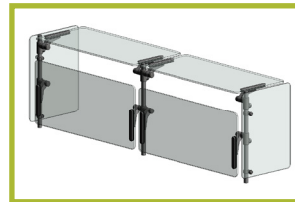
AdvanceGuard food shields are manufactured in many different configurations. While the components are similar, your model's glass and posts may not be. The models shown below should be maintained in the same manner based on the instructions within this manual.



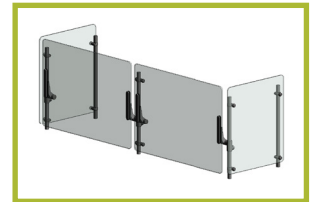
AG2500



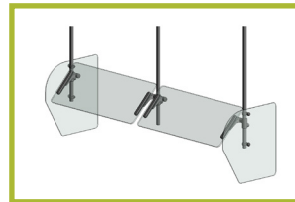
AG2500-2



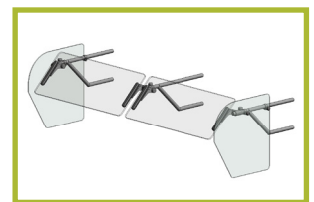
AG2500-3



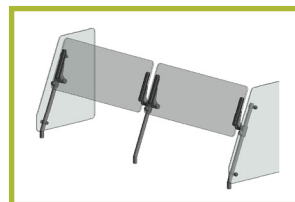
AG2500-4



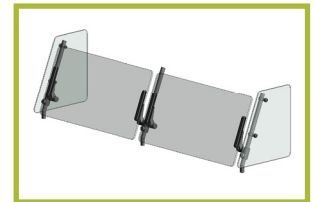
AG2500-5



AG2500-6



AG2560



AG2560-2

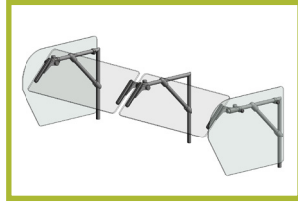
All AdvanceGuard models are certified by NSF.



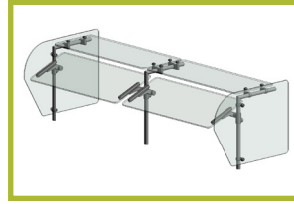
ADVANCEGUARD MODELS



AG2600



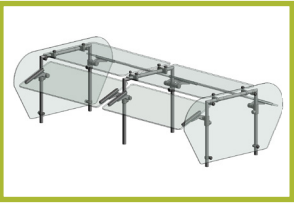
AG2900



AG2915



AG2930



AG2930-2



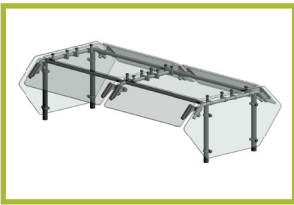
AG2930-3



AG2935



AG2945



AG2945-3



AG2945-4



AG2945-5



AG2950



AG2950-2

BASIC COMPONENTS & LAYOUT

FIGURE 1

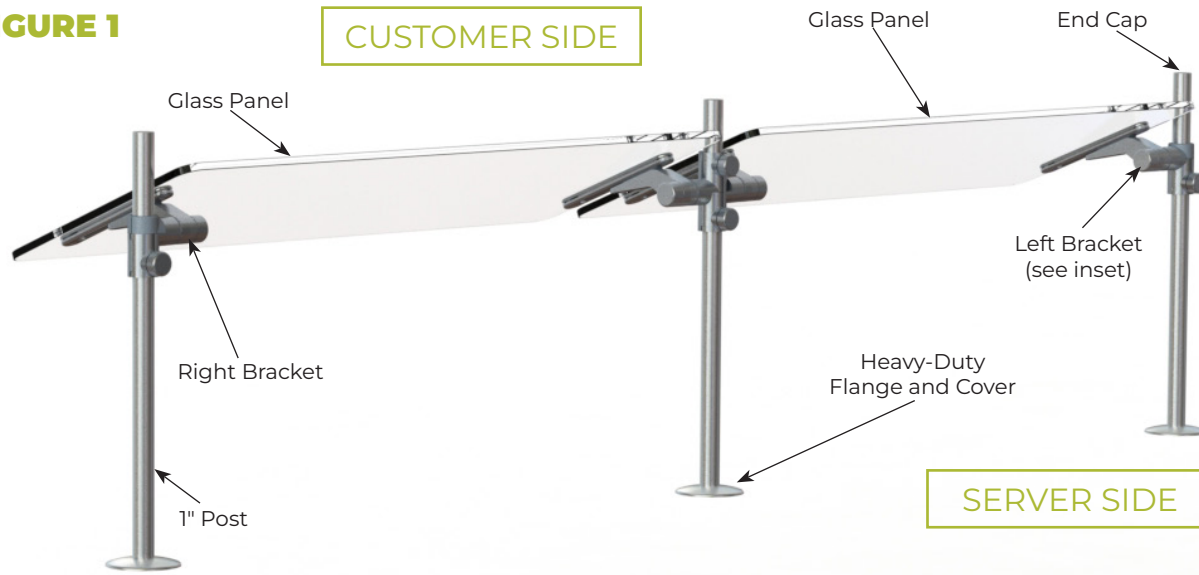


Figure 1 shows a two panel AG2500 with a stacked left/right bracket combination for connecting multiple panels.

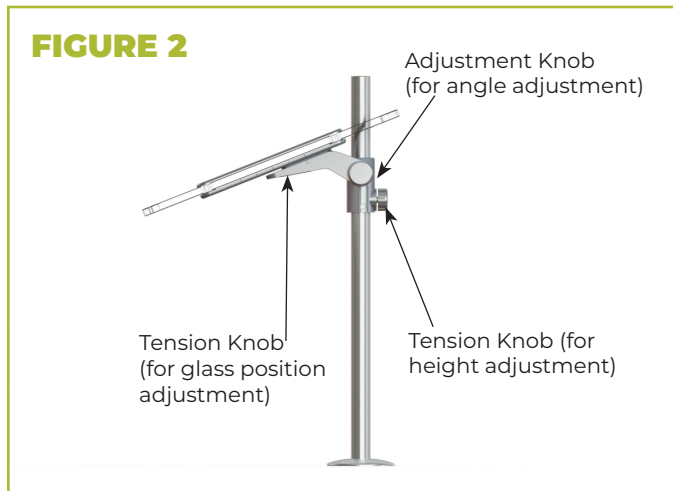


Figure 2 shows section view of Figure 1.

ADVANCEGUARD BRACKETS



Left Bracket Assembly

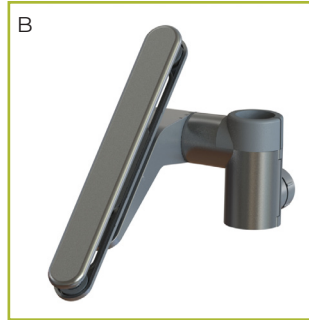
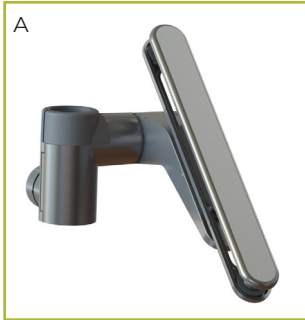


Right Bracket Assembly

SEE EXPLODED VIEW AND PART NUMBERS ON PAGE 7.

ADVANCEGUARD BRACKET ASSEMBLY AND PARTS

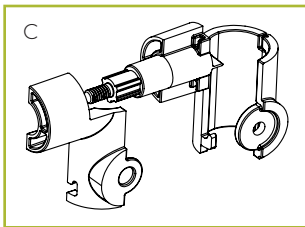
FULL ASSEMBLY



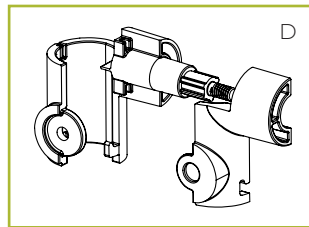
Letter	Part #	Part Name
A	16629	AdvanceGuard Left Post Assembly
B	16630	AdvanceGuard Right Post Assembly
C	16644	Left Post Clamp Assembly
D	16658	Right Post Clamp Assembly
E	16649	AdvanceGuard Post Collar
F	16652	AdvanceGuard Tension Knob
G	16655	AdvanceGuard Cam Lever Assembly
H	16657	AC: Glass Slide Assembly
I	16653	AdvanceGuard Threaded Adjustment Knob

CLAMP ASSEMBLIES

Left Clamp Section



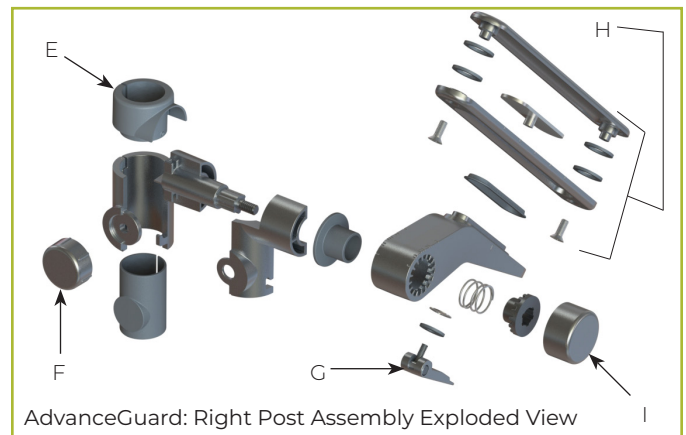
Right Clamp Section



When ordering you MUST designate finish/color.

In the event that your AdvanceGuard product needs service and requires major repairs, contact your local installer for assistance.

If you have questions about the products or need to replace minor parts you, contact BSI, LLC at 1.800.662.9595.



ADVANCEGUARD BRACKET ADJUSTMENT

AdvanceGuard brackets allow you to adjust the glass height, reach, and angle. When the bracket and glass are in the vertical position, it is referred to as the "home" position. With assistance from a second person, take the following steps to adjust your AdvanceGuard.

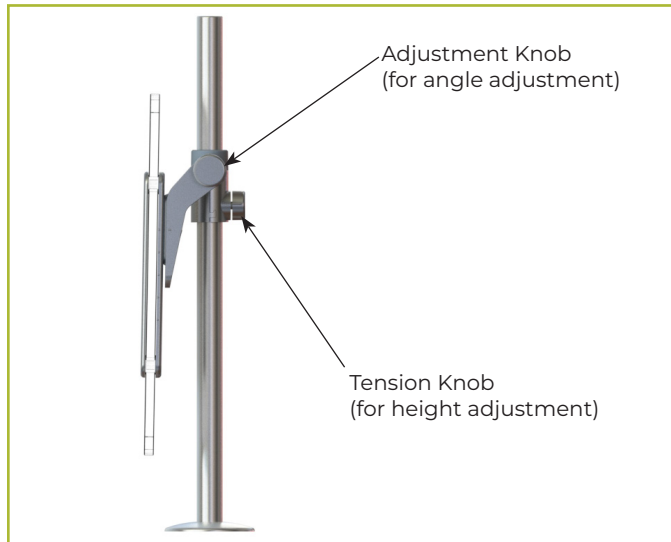
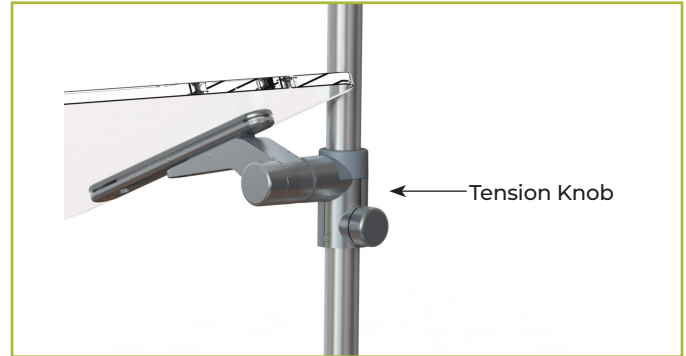


Figure 1: Bracket and glass in "Home" position.

Depending on your servery, multiple adjustments to height, angle, and glass position may be required to achieve the best position for your needs.

HEIGHT ADJUSTMENT

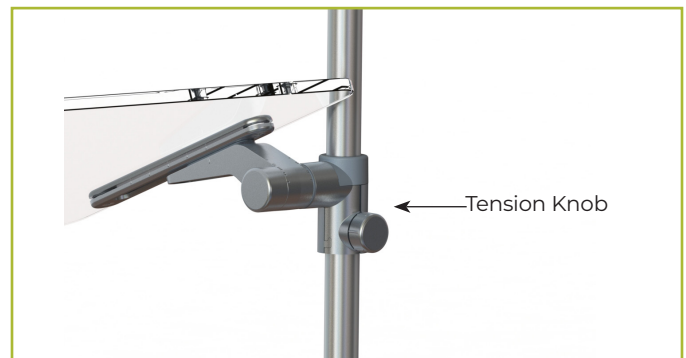
1. Loosen the Tension Knob of both the right and left brackets.



2. Slide the guard up or down on the posts to the desired height.



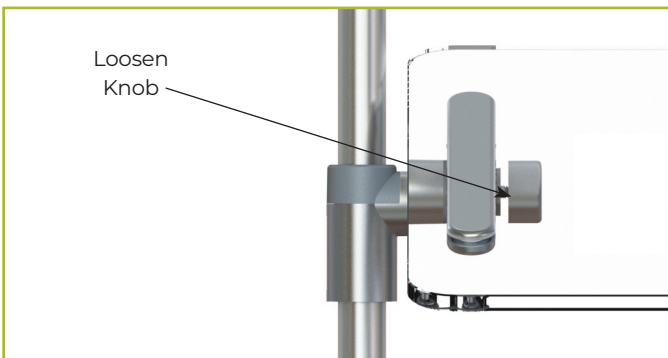
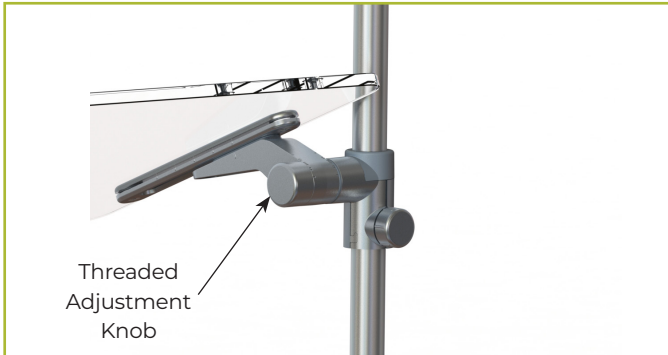
3. Tighten the tension knob on both the right and left brackets, making sure that the guard is level.



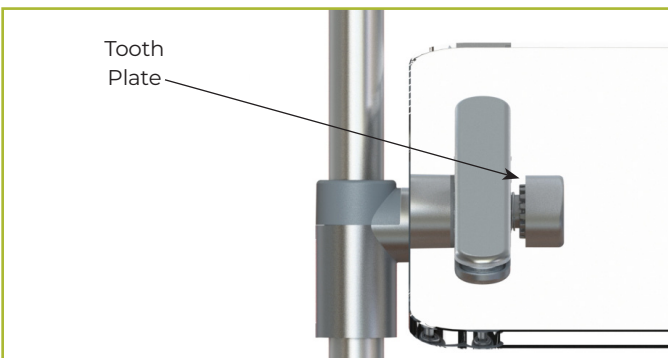
ADVANCEGUARD BRACKET ADJUSTMENT

PIVOTING THE GLASS

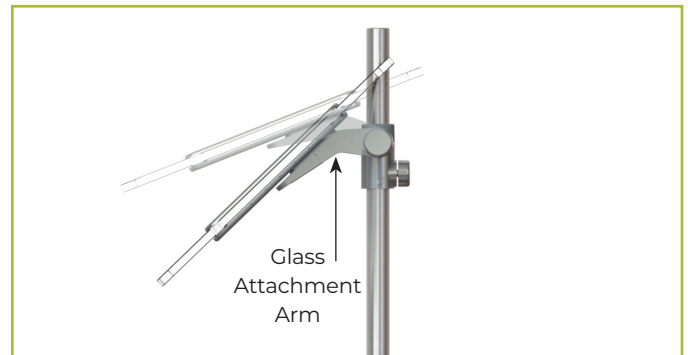
1. Loosen the Threaded Adjustment Knob on the right and left brackets, so there is at least 1/8" of clearance between the knob and the Tooth Plate. *Do not completely unscrew the adjustment knob, separating it from the bracket.*



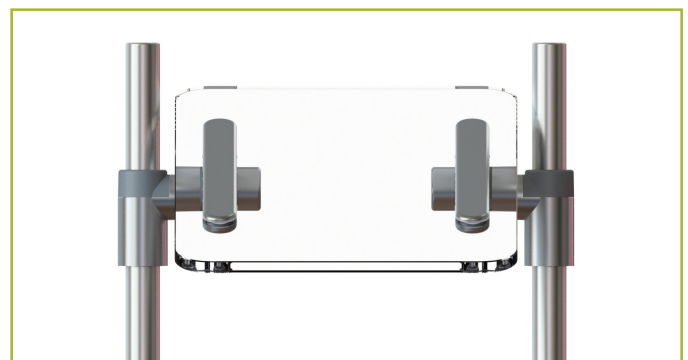
2. Gently lift the glass front edge until an audible "click" is heard and the Tooth Plate has been disengaged from both the right and left brackets.



3. Rotate the glass into the desired position, taking note of the alignment of the hash marks on the Glass Attachment Arm with the split on the top of the right and left brackets.



4. While still supporting the weight of the glass, tighten the Threaded Adjustment Knob on each side, making sure to check that the Tooth Plate is re-engaging with the corresponding pockets on the Glass Attachment Arm. The weight of the glass is now supported. Move to the other side of the guard and repeat the process.



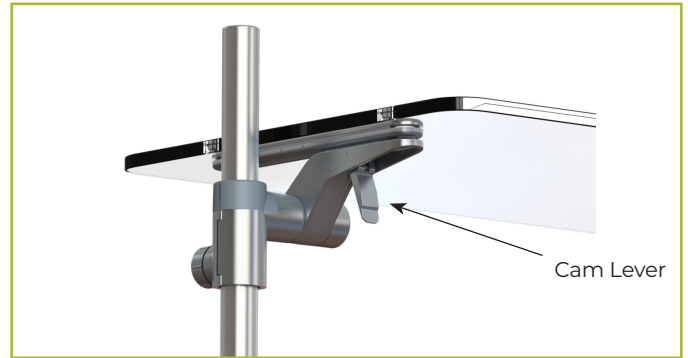
ADVANCEGUARD BRACKET ADJUSTMENT

GLASS SLIDE ADJUSTMENT

1. Sliding the glass panel can be preformed at any angle but is easiest in a horizontal position. (See adjusting angle on page 9.)

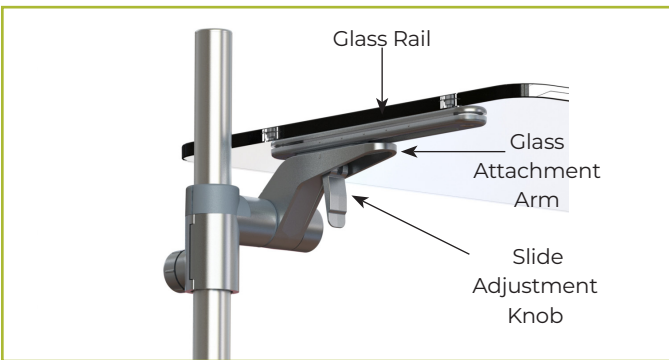


4. Tighten the Slide Adjustment Knobs on both sides to secure glass in place.

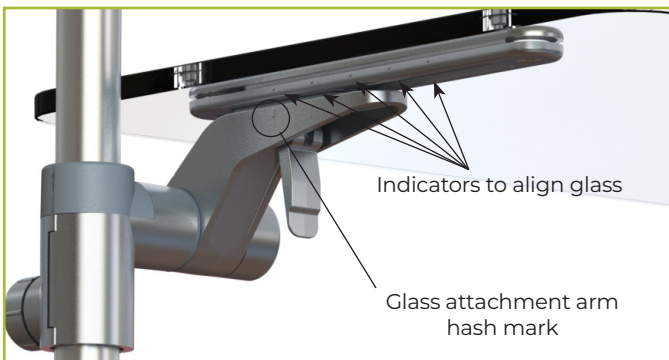


2. Located on the underside of each glass attachment arm is a Slide Adjustment Knob. Loosen the knob on both sides.

5. Follow the steps to pivot the glass and move it back to the desired position.



3. Slide the glass forward or backward into the desired position, aligning the glass rail hash mark with the Glass Attachment Arm indicator mark on each side.



ADVANCEGUARD BRACKET ADJUSTMENT

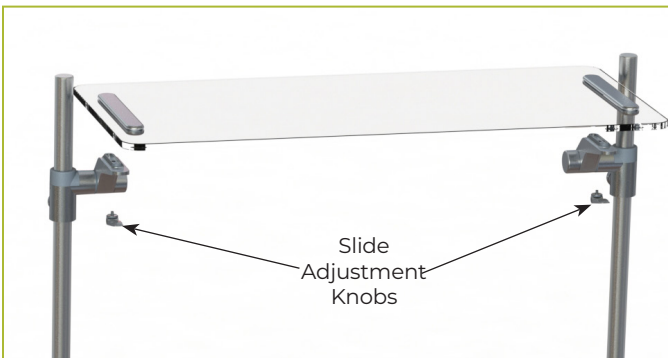
If the circumstance requires you to disassemble the bracket to remove it from the post then follow these instructions.

DISASSEMBLING THE BRACKET:

1. Rotate the glass to the horizontal position and secure the Threaded Adjustment Knob. For instructions to pivot the glass, see page 9.



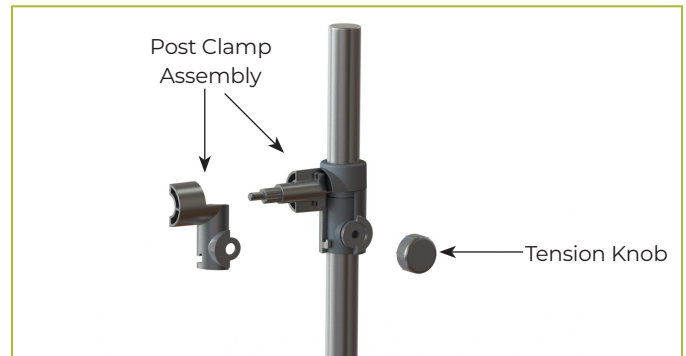
2. Remove the glass by loosening the Slide Adjustment Knobs and unthreading them until they hang loosely from the bracket. Lift the glass up and off of each Glass Attachment Arm.



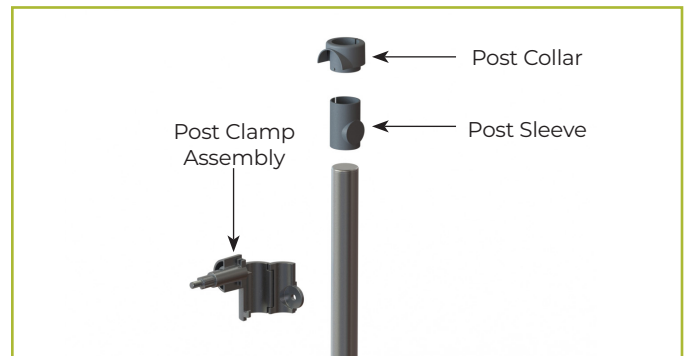
3. Remove the parts as shown in Figure 1.



4. Remove the Tension Knob, and slide apart the Post Clamp Assembly.

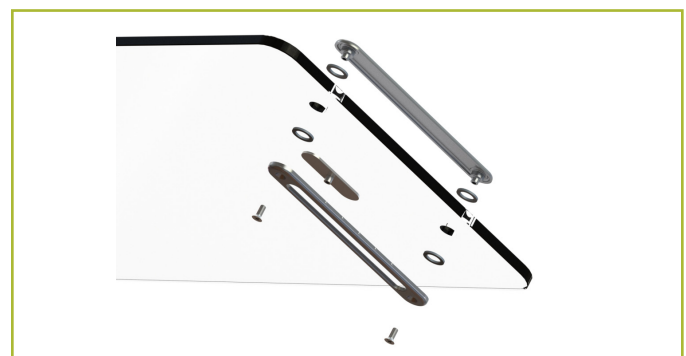


5. Remove the Post Clamp Assembly, Post Collar, and Post Sleeve from the post.



Glass Slide Assembly Removal:

1. Remove the screws from either end of the assembly.
2. The Glass Slide Assembly will come apart in two halves. Be sure to take note of all individual pieces.



CLEANING INSTRUCTIONS

- Wipe the surface with a clean, damp cloth to remove fingerprints, dust, etc.
- Spray with a light coating of glass cleaner to remove grease and dirt. Use a non-ammonia cleaner.
- Do not use brass polish on your food guards as it will degrade the finish.
- Do not scrub the surface with abrasives like steel wool, pot scrubbers, abrasive powders, or similar products as they will remove the protective coating.
- If unit is fitted with a BSI warmer, do not clean the glass or housing when warmer is hot.
- Cleaning the warmer when hot can cause staining or damage to the warmer finish.

GLASS LIMITATIONS



The top shelf of any AdvanceGuard food shield is not intended to bear heavy loads. Total weight should not exceed 75 lbs. across a 36" panel of 3/8" thick glass.

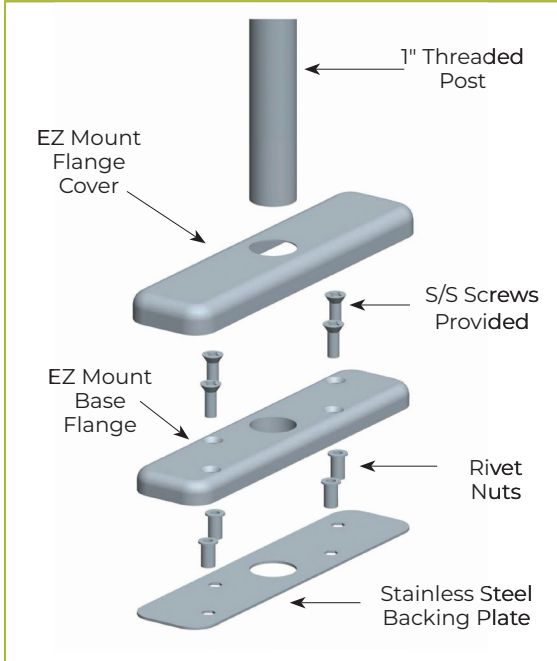
TESTING PARAMETERS

Food Shield:	AG2500 (glass panel positioned at 90-degree angle to post)
Posts & Brackets:	Brushed Stainless
Glass:	36" x 14" (3/8" thick)
Mounting:	Above Counter
Time:	24 hours

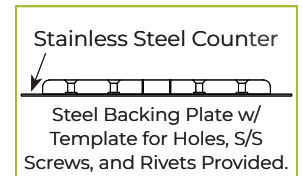
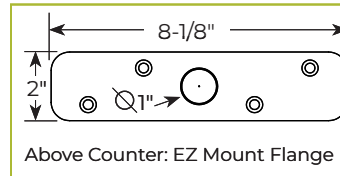
ABOVE-COUNTER INSTALLATION FOR 1" ADVANCEGUARD POSTS

STAINLESS STEEL COUNTERS

EZ Mount - 2" x 8" Flange

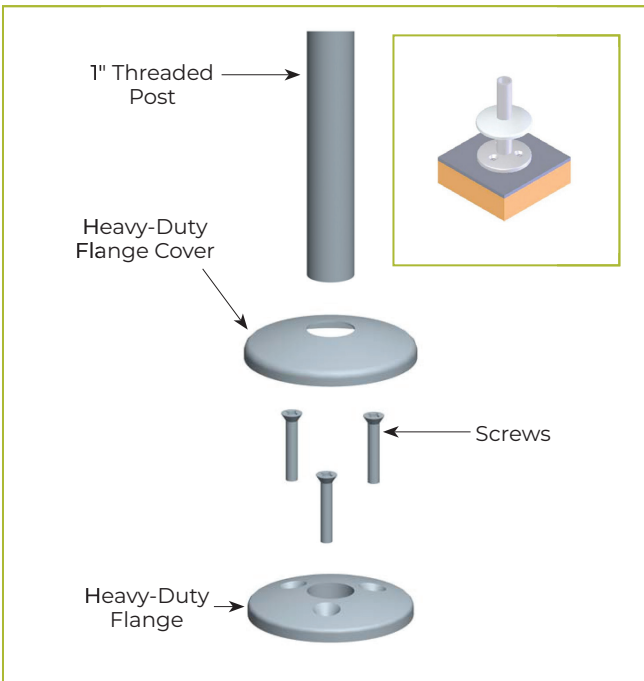


Letter	Part #	Part Name
18	348	1" Threaded Post
19	485	EZ Mount Center Flange Cover
20		10-32 x 1" S/S Screw Flat Philips
21	470	EZ Mount Base Flange Centered
22		Rivet Nut
23	473	EZ Mount Flange Plate Centered
24	464	Heavy-Duty Flange Cover
25		#12 x 2 A Tapping Screw Flap Philips
26	471	Heavy-Duty Flange
27	465	Narrow Flange Cover
28	378	Narrow Flange
29	442	Grommet

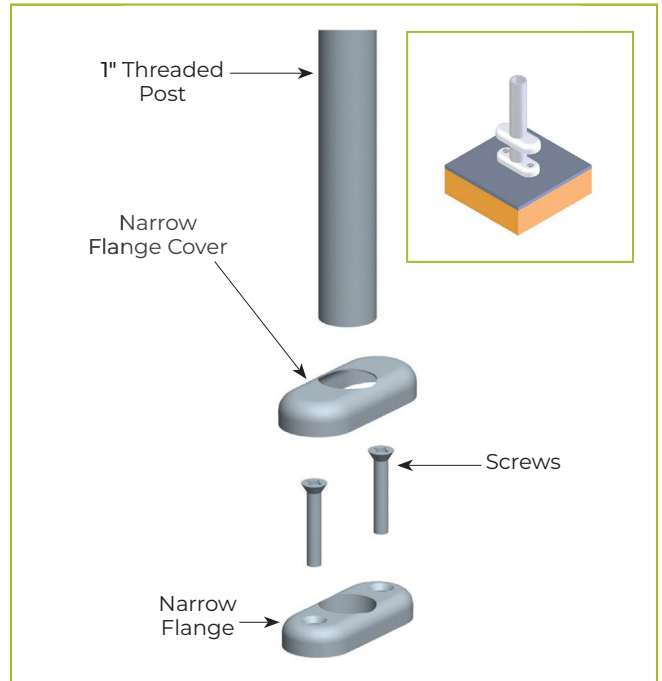


MILLWORK COUNTERS

Heavy-Duty Flange



Narrow Flange

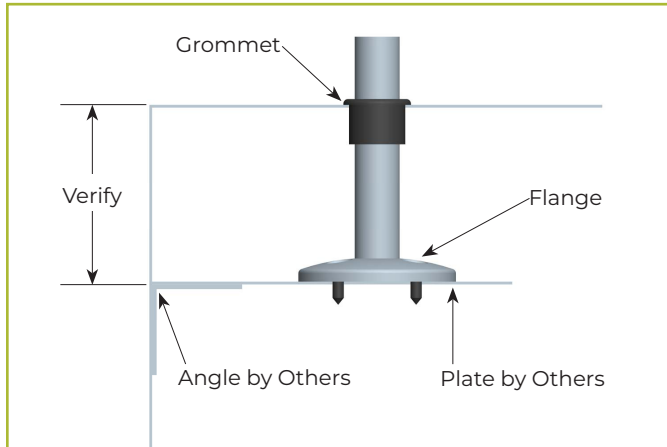


UNDER-COUNTER INSTALLATION FOR 1" ADVANCEGUARD POSTS

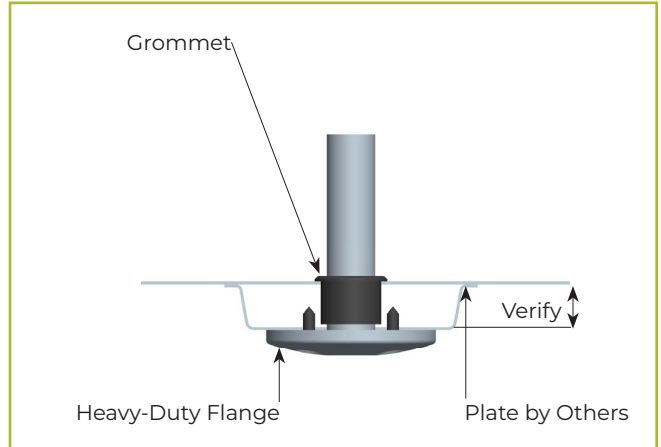
STAINLESS STEEL COUNTERS

(requires under-counter reinforcement and access)

Heavy-Duty Upright Flange or Narrow Upright Flange



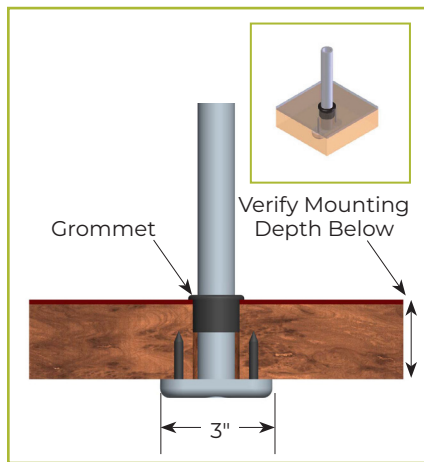
Heavy-Duty Inverted Flange or Narrow Inverted Flange



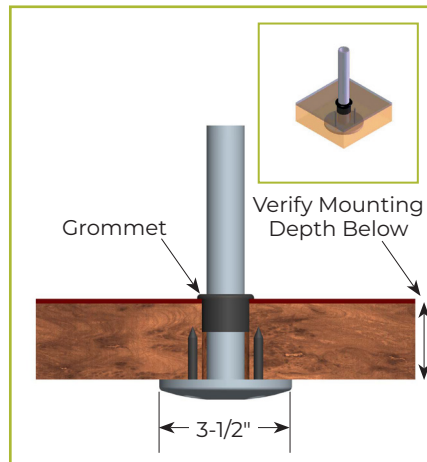
Verify counter thickness or under-counter installation depth in inches.

MILLWORK COUNTERS

Narrow Flange

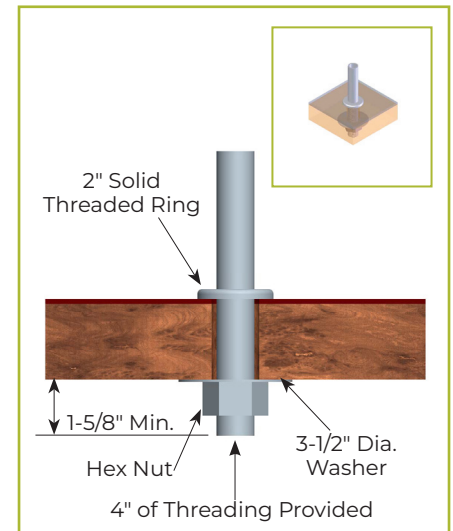


Heavy-Duty Flange



Compression Flange

(not recommended for solid surfaces)



Verify counter thickness or under-counter installation depth in inches.



OWNER'S MANUAL & WARRANTY

LIGHTS & WARMERS

LIGHTS & WARMERS

Food shield systems can be built with lights, warmers, or a combination of the two. Proper maintenance for these products is very important for safety. The following pages will detail the proper methods of keeping your product clean, how and where to exchange parts, and includes diagrams for proper wiring.

RECEIVING AND INSPECTING THE EQUIPMENT

Care should be taken during unloading and uncrating to avoid equipment damage.

1. Visually inspect the package, skid, or container exterior. Any damage should be noted and reported to the delivering carrier immediately.
2. Open and inspect contents for broken glass and verify that all items were received.
3. In the event that damage is discovered, notify the carrier and request freight damage forms.
4. Request an inspection by the shipping company of the damaged equipment. This should be done within 10 days of equipment receipt.
5. Retain all crating materials until an inspection has been made or waived.



ALL LIGHTS, WARMERS AND COMBO UNITS ARE SHIPPED USING ZIP TIES TO SECURE UNITS DURING TRANSIT. AFTER INSTALLATION, CAREFULLY REMOVE ALL ZIP TIES.

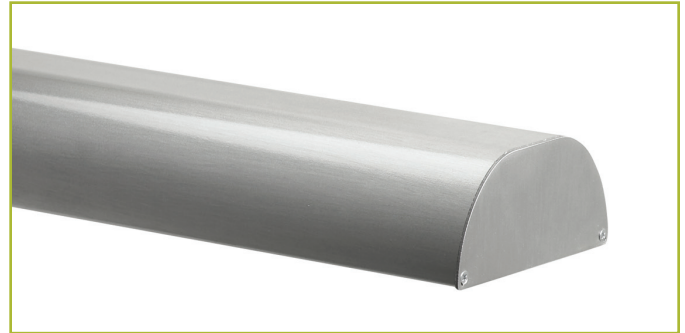


Lights and warmers must be installed in accordance with the applicable installation code by a person familiar with the product's construction, operation, and potential hazards involved.

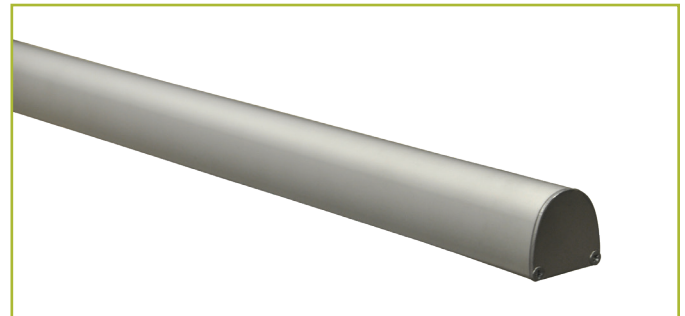
All light and warmer models are certified by NSF.



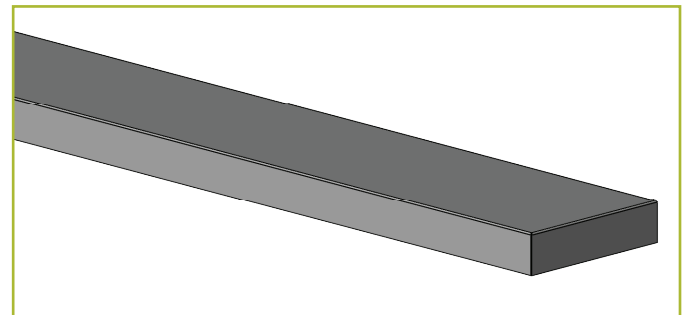
MODELS



Stealth Warmer & Light Combo Model 705
Stealth Warmer Model 790



Slimline Light Model 2580



Stealth Heat/Light/Heat Combo Model 500

CLEANING INSTRUCTIONS

Once your food guard has been properly installed and you have removed all zip ties, it will be important to keep your light, warmer, or combo unit clean to prolong the life of the product.

BSI recommends the following for keeping your product clean:

- Be sure to turn the power off before cleaning. Wait until Stealth warmer is cool. **Cleaning when the warmer is hot can cause staining or damage to food warmer finish.**
- Wipe the surface with a clean, damp cloth to remove fingerprints, dust, etc.
- Spray with a light coating of glass cleaner to remove grease or other dirt. Use a non-ammonia cleaner.
- Be sure not to spray any cleaning product directly into the bulbs, fixtures, or heating elements.

IDENTIFYING YOUR PRODUCT

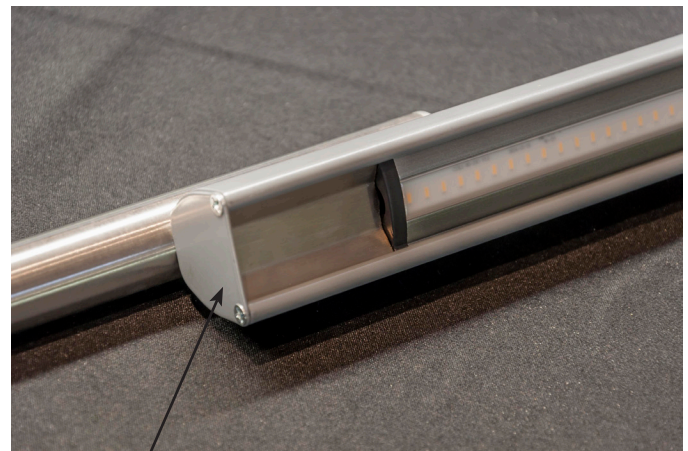
Each BSI light, warmer, or combo unit contains an identification sticker. This sticker provides the customer with the following information:

- Serial Number
- Model Number
- Manufacture Date
- Electrical Information



CHANGING THE LED BULB

- Turn off power to all lights and warmers.
- Carefully unscrew the end plate and slide out the entire LED light.
- If multiple lights are connected to each other, carefully disconnect serial connector or power connector.
- Once dead light bulb is removed, replace with new LED light. Carefully reconnect the connector and slide in the light bar.
- Replace end cover and two screws.



End Plate

LED LIGHTS

Part #	Description
16289	Kelly LED:_12" _LED_Light_Bar
16290	Kelly LED:_18" _LED_Light_Bar
16292	Kelly LED:_36" _LED_Light_Bar
16505	Kelly LED:_48" _LED_Light_Bar
16293	Kelly LED:_10' _Power_Cord_w/o_Plug
16294	Kelly LED:_Serial_Connector
16295	Kelly LED:_6" Power_Connector

HEATING ELEMENTS

Part #	Description
492-18-BK	Element:_18"_120V_Heater_350W
492-24-BK	Element:_24"_120V_Heater_500W
492-30-BK	Element:_30"_120V_Heater_660W
492-36-BK	Element:_36"_120V_Heater_800W
492-42-BK	Element:_42"_120V_Heater_950W
492-48-BK	Element:_48"_120V_Heater_1100W
492-54-BK	Element:_54"_120V_Heater_1250W
492-60-BK	Element:_60"_120V_Heater_1400W
492-66-BK	Element:_66"_120V_Heater_1560W

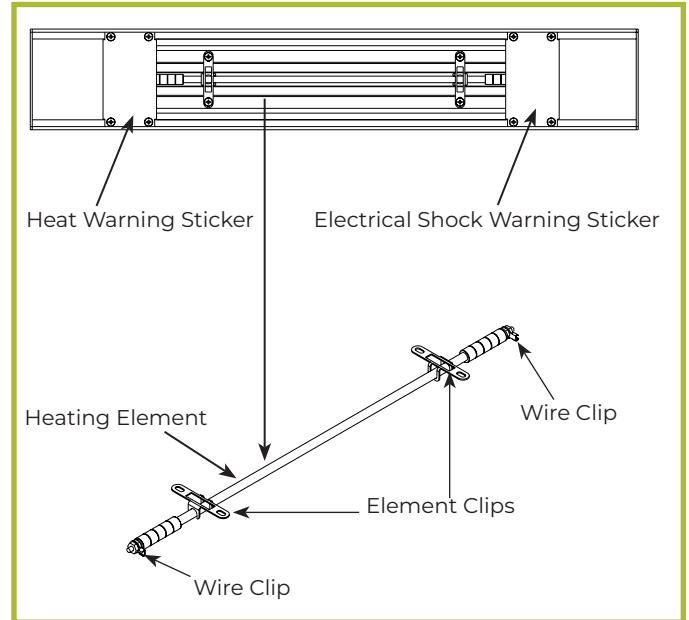
Part #	Description
496-24-BK	Element:_24"_208V_Heater_500W
496-30-BK	Element:_30"_208V_Heater_660W
496-36-BK	Element:_36"_208V_Heater_800W
496-42-BK	Element:_42"_208V_Heater_950W
496-48-BK	Element:_48"_208V_Heater_1100W
496-54-BK	Element:_54"_208V_Heater_1250W
496-60-BK	Element:_60"_208V_Heater_1400W
496-66-BK	Element:_66"_208V_Heater_1560W

240V Heat Elements are a special order item. Contact BSI at 1.800.662.9595 to order.

REPLACING THE TUBULAR HEATING ELEMENTS

On all three Stealth warmer units, the tubular heating element can burn out — similar to a light bulb.

Replacement should be done by a professional service technician. If you have additional questions, contact BSI at 1.800.662.9595.



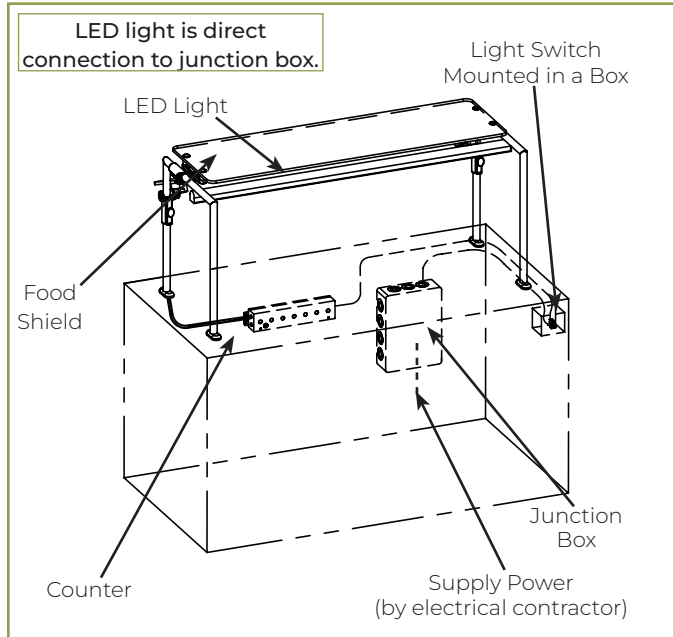
PARTS & SERVICE

In the event your lights or warmers require major repairs, contact your local installer for assistance.

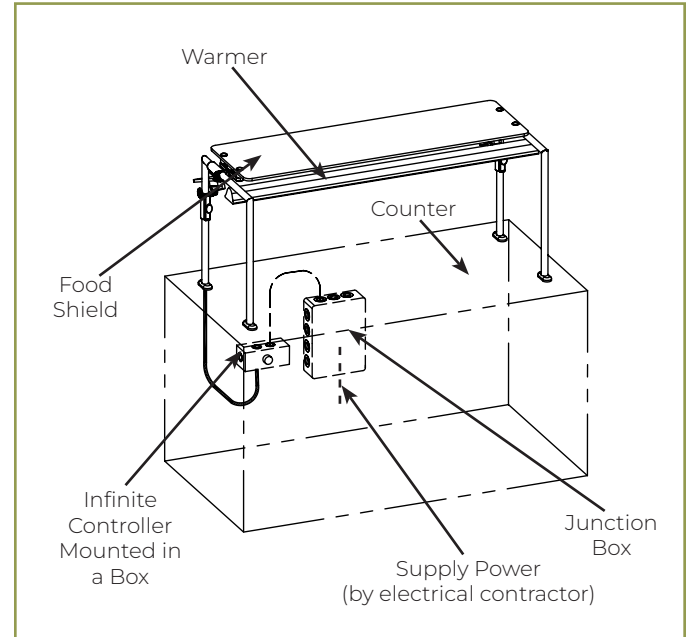
If you have product questions or need minor replacement parts, contact BSI at 1.800.662.9595.

WIRING INSTALLATIONS

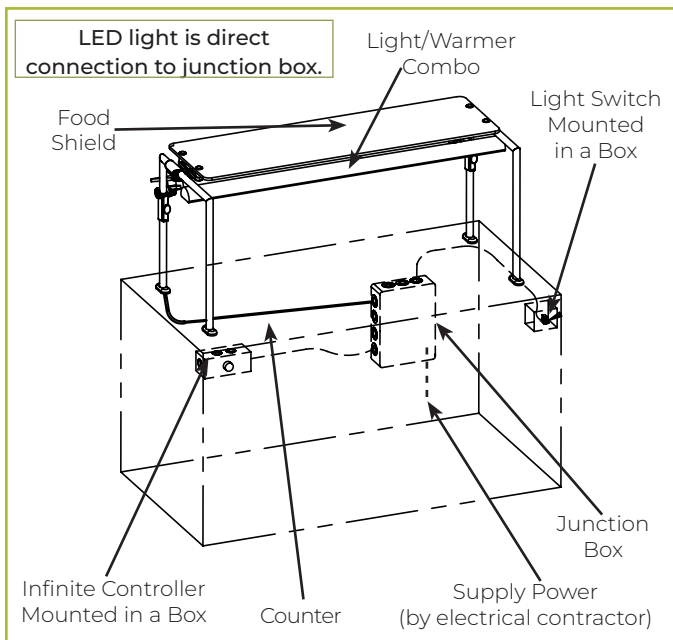
Slimline 2580 LED Light



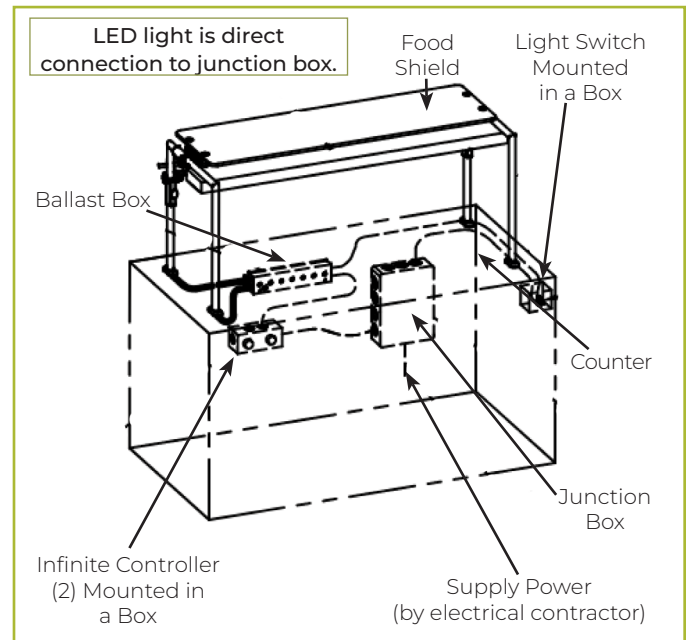
Stealth 790 Warmer



Stealth 705 LED Light & Warmer Combo



Stealth 500 LED Heat/Light/Heat Combo

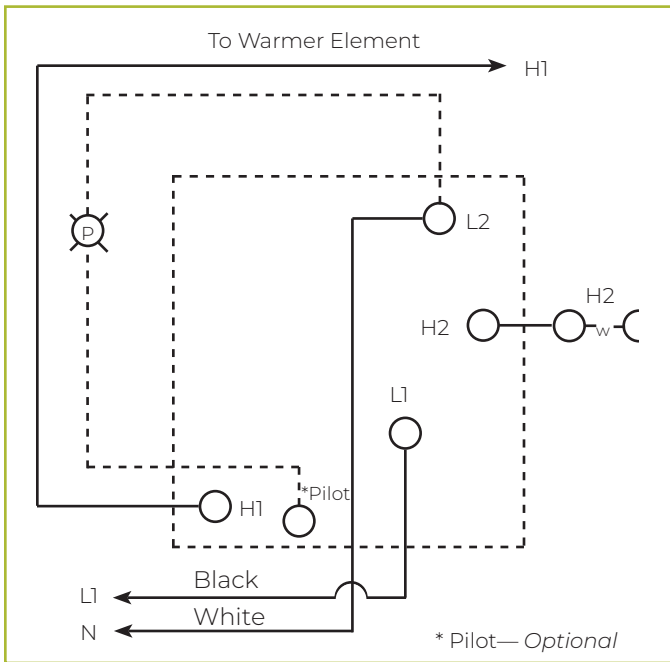


INSTALLATION INFORMATION

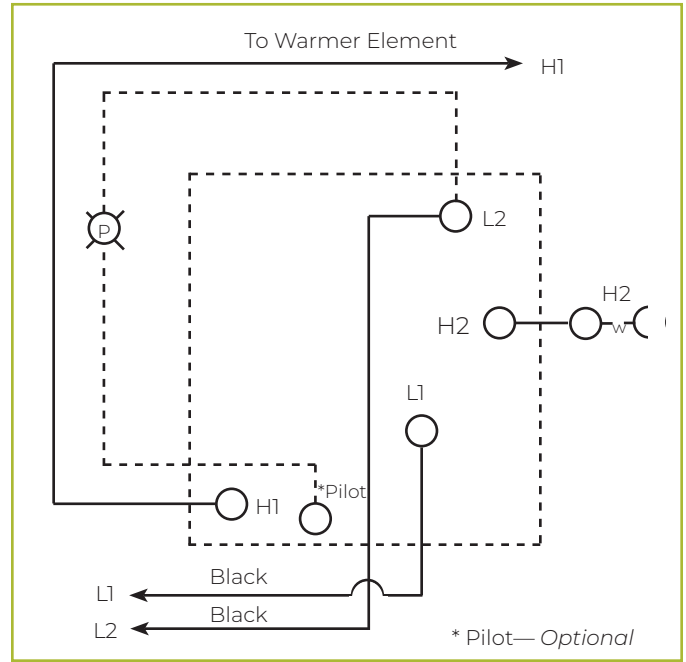
- All wiring should be performed by a certified technician.
- Wires are routed through wire chase/support legs per approved shop drawings.
- Mount the infinite controllers near the wire chase/support leg.
- The infinite controllers, light switch, and six feet of conduit/wiring exiting support legs are provided with all BSI lights & warmers.

WIRING DIAGRAMS

Remote Infinite Control for Stealth Warmer/Combo Units



Infinite Switch (120V) - Part #581



Infinite Switch (208V/240V) - Part #582

BSI, LLC WARRANTY

BSI, LLC warrants its products to be free of material and workmanship defects under normal use from the date of original purchase and for the applicable warranty periods set forth below. BSI, LLC's warranty extends only to original purchasers acquiring new products purchased in the United States directly from BSI, LLC, its authorized dealers, or other companies specifically authorized by BSI, LLC to act as resellers of its products.

ADVANCEGUARD

BSI, LLC warrants the AdvanceGuard system against material and workmanship defects for a period of two years from invoice date. This excludes post-installation glass chipping or breakage that can be explained as "standard wear and tear."

STEALTH WARMERS

BSI, LLC warrants the Stealth housing and warming element against material and workmanship defects for a period of two years from invoice date.

SLIMLINE LED LIGHT

The Slimline LED light warranty covers the ballast for material and workmanship for a period of two years from invoice date. The LED bulb itself is not covered under warranty.

THERE ARE NO WARRANTIES EXCEPT AS STATED ABOVE, WHETHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Warranties do not apply to products that have been altered in any way or to products subjected to misuse, abuse, neglect, accident, or damage in transit. Warranty is void if products are used, held, or stored in an unsupervised environment. BSI, LLC's liability shall be limited to product repair or replacement, or refund of purchase price issued at the discretion of BSI, LLC. BSI, LLC will not be liable, under any circumstances, for incidental or consequential damages (including, without limitation, to lost profits) arising in connection with the sale, use, inability to use, repair, or replacement of BSI, LLC's products. The liability of BSI, LLC arising from any cause shall not exceed the price paid for the products.

Any breach claim of the foregoing warranties shall be deemed waived unless submitted to BSI, LLC in writing within 30 days of alleged defect discovery date or by reasonable inspection should have been discovered. Merchandise must be returned to the BSI, LLC factory, freight prepaid, and will not be accepted unless a prior Return Merchandise Authorization (RMA) has been issued by BSI, LLC. A copy of the original invoice must accompany the returned merchandise to verify the original purchase date and warranty entitlement. Any cause of action for breach of the foregoing warranties shall be deemed waived unless brought within one year of claim submission.