

& Low Voltage

SIGN STAR™ / TWIN SIGN STAR™

Installation Instructions



Warning



Hot Surface



Flammable



Low Voltage

TOOLS NEEDED:

- 1/8", 5/32", & 5/64" Allen Wrench
- Waterproof Wire Connectors

By Others

INSTRUCTIONS PERTAINING TO A RISK OF FIRE, OR INJURY TO PERSONS IMPORTANT SAFETY INSTRUCTIONS

Lighted lamp is HOT!

WARNING - To reduce the risk of FIRE OR INJURY TO PERSONS:
Turn off/unplug and allow to cool before replacing lamp.
Lamp gets HOT quickly! Contact only switch/plug when
turning on.

Do not touch hot lens, guard, or enclosure (see diagram/
picture).

Keep lamp away from materials that may burn.
Do not touch the lamp at any time. Use a soft cloth. Oil
from skin may damage lamp.

Do not operate the luminaire fitting with a missing or
damaged shield.

SAVE THESE INSTRUCTIONS

IMPORTANT SAFETY INFORMATION - READ, FOLLOW, AND SAVE ALL SAFETY AND INSTALLATION INSTRUCTIONS

- Product must be installed by a qualified person in a manner consistent with its intended use and in compliance with the National Electrical Code, Canadian Electrical Code, and all Local and Provincial Codes.
- Follow product label information and instructions.
- Qualified Personnel must perform all servicing or relamping of this product.
- Before wiring to power supply and during servicing or relamping, turn off power at fuse or circuit breaker before service.
- The use of accessory equipment not recommended by the manufacturer or installed contrary to instructions may cause an unsafe condition. The use of damaged components may cause an unsafe condition and void product warranty.
- Do not block light emanating from product in whole or part, as this may cause an unsafe condition.
- Never operate the fixture with missing or damaged lens. Lens must be cleaned on regular basis.
- Entire fixture may become extremely hot. Do not touch hot lens or fixture body. Do not touch the lamp at any time. Use a clean, dry, soft cloth to handle the lamp. Oil from skin may damage the lamp and cause it to rupture.
- Replace lamp only with correct wattage and type of lamp marked on fixture label.
- All gaskets, o-rings and sealing surfaces must be kept clean during installation and service; failure to do this may cause an unsafe condition and void product warranty.

IMPORTANT LISTINGS AND CERTIFICATIONS

- Suitable for wet locations

Please refer to the low voltage design guide at www.bklighting.com/lvguide before installation for proper wire selection.

This set of instructions works for:

SN-A - Sign Star™ Style "A"

SN-B - Sign Star™ Style "B"

SN-C - Sign Star™ Style "C"

SN-D - Sign Star™ Style "D"

SN-L - Sign Star™ Style "L"

SN-MN-A - Micro Nite™ Sign Star™ Style "A"

SN-MN-B - Micro Nite™ Sign Star™ Style "B"

SN-MN-C - Micro Nite™ Sign Star™ Style "C"

SN-MN-L - Micro Nite™ Sign Star™ Style "L"

ST-A - Twin Sign Star™ Style "A"

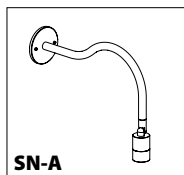
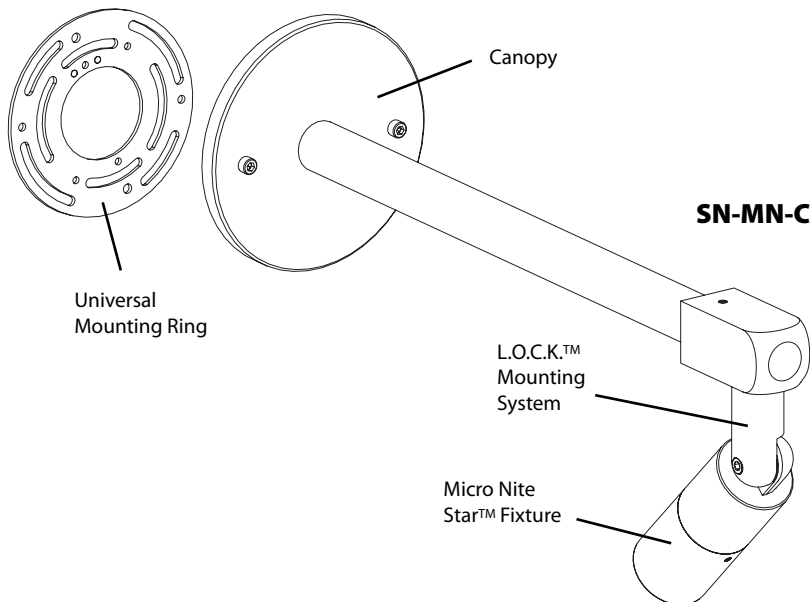
ST-B - Twin Sign Star™ Style "B"

ST-C - Twin Sign Star™ Style "C"

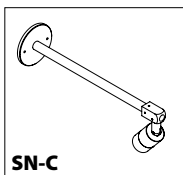
ST-MN-A - Micro Nite™ Twin Sign Star™ Style "A"

ST-MN-B - Micro Nite™ Twin Sign Star™ Style "B"

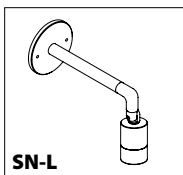
ST-MN-C - Micro Nite™ Twin Sign Star™ Style "C"



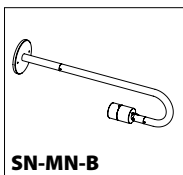
SN-A



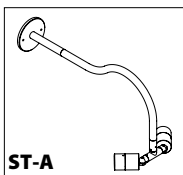
SN-C



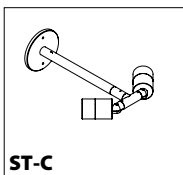
SN-L



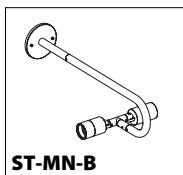
SN-MN-B



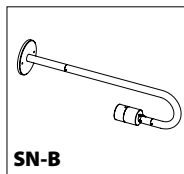
ST-A



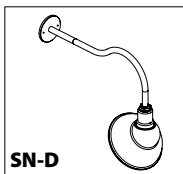
ST-C



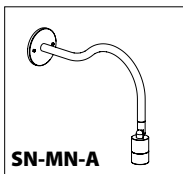
ST-MN-B



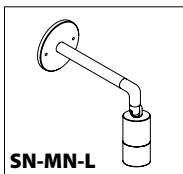
SN-B



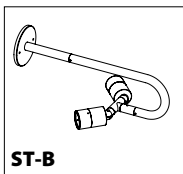
SN-D



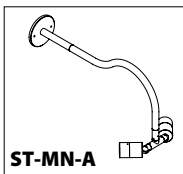
SN-MN-A



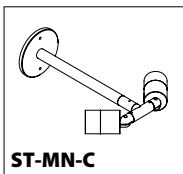
SN-MN-L



ST-B



ST-MN-A



ST-MN-C

IMPORTANT SAFETY INFORMATION - READ, FOLLOW, AND SAVE THESE INSTALLATION INSTRUCTIONS

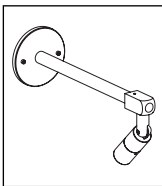
B-K LIGHTING

40429 Brickyard Drive • Madera, CA 93636 • USA
559.438.5800 • FAX 559.438.5900
www.bklighting.com • info@bklighting.com

RELEASED
7-18-16

REFERENCE NUMBER
INS-2264-00

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF B-K LIGHTING, INC. AND ITS RECEIPT OR POSSESSION DOES NOT CONVEY ANY RIGHTS TO REPRODUCE, DISCLOSE ITS CONTENTS, OR TO MANUFACTURE, USE OR SELL ANYTHING IT MAY DESCRIBE. REPRODUCTION, DISCLOSURE OR USE WITHOUT SPECIFIC WRITTEN AUTHORIZATION OF B-K LIGHTING, INC. IS STRICTLY FORBIDDEN.



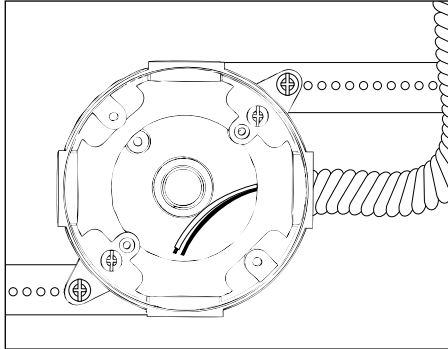
Standard Installation Instructions

PROJECT:

TYPE:

Phase 1 - Rough In

Installation of Back box

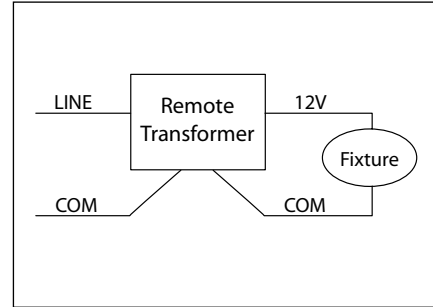
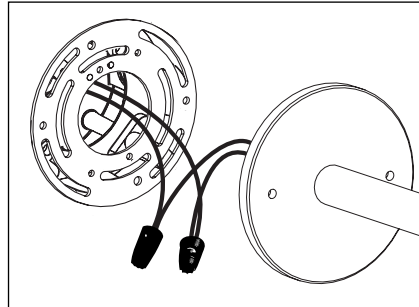
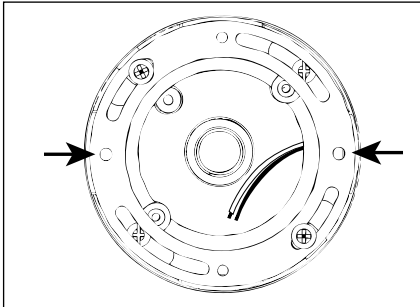


Additional Info

- Please follow National and Local electrical codes for your area.
- Suitable for through wire
- Suitable for installation into combustible materials.
- Rated for 90° C.

1. Install Conduit (By Others) to be used with this product.
2. Install junction box so that front face is flush with finished wall.
3. Connect box to conduit and pull wires for connections (See wiring diagram).

Phase 2 - Finish Installation of Fixture

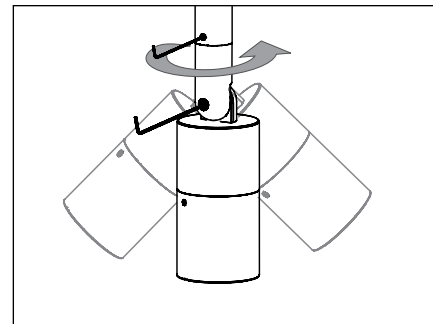
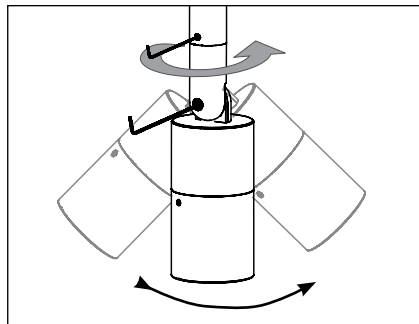
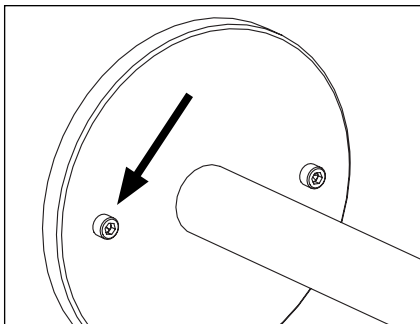


1. Install universal mounting ring (supplied with fixture) with #10-24 screws using 1/8" Allen wrench onto back box. Align fixture mounting holes to final mounting position.
2. Make two connections from remote transformer to fixture leads using waterproof wire connectors. (By Others) **See wiring diagram.**

WIRING DIAGRAM

⚠ **LED** - For use with 12VAC **BKSSL** remote transformer or magnetic transformers only. B-K Lighting cannot guarantee performance with third party manufacturers' transformers.

⚠ **Low Voltage** - For use with 12VAC remote transformer.



3. Mount canopy to junction box with universal mounting ring using two (2) #10-24 stainless steel black oxide screws with 1/8" Allen wrench.
4. Use 5/32" Allen wrench to loosen #10-32 stainless steel black oxide socket head cap screw at the knuckle. Aim fixture to desired vertical location. Tighten to secure aiming position.
5. **Optional 360SL™:** Use 5/64" Allen wrench to loosen stainless steel set screw on the 360SL™ rotational mounting system and rotate to desired horizontal location. Tighten to secure aiming position.

**IMPORTANT SAFETY INFORMATION LISTED ON REVERSE
READ, FOLLOW, AND SAVE ALL SAFETY AND INSTALLATION INSTRUCTIONS**

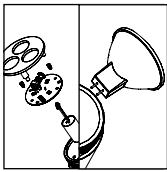


B-K LIGHTING

40429 Brickyard Drive • Madera, CA 93636 • USA
559.438.5800 • FAX 559.438.5900
www.bklighting.com • info@bklighting.com

RELEASED
7-18-16

REFERENCE NUMBER
INS-2264-00



LED / Low Voltage Halogen

2-1/4" Size

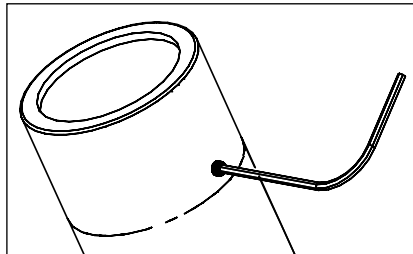
Replacement / Installation Instructions



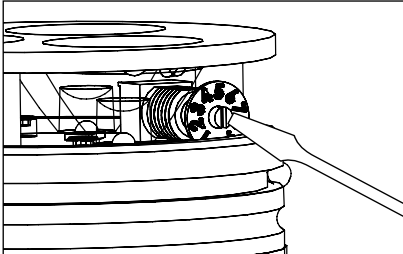
This product is available with Adjust-e-Lume® (Patent Pend.) for Dynamic Lumen Output Control

Warning! The light output of this product may be dynamically adjusted as desired to raise and lower light levels. Please ensure the fixture is set to the appropriate light level desired during installation.

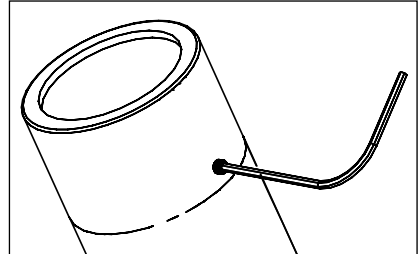
TO CHANGE LUMEN OUTPUT (WHEN REQUIRED)



1. Use 5/64" Allen wrench to loosen #8-32 stainless set screw and remove cap.



2. With flat head screw driver rotate dial to desired lumen output.

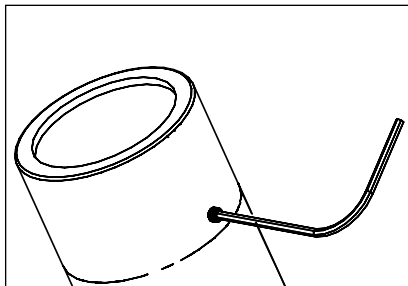


3. Place cap on fixture and tighten set screw. Tighten screw to 1/2 inch pounds. Top of screw should sit flush with fixture cap.

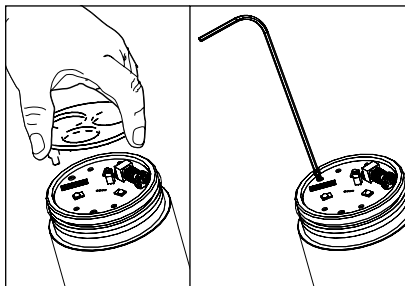


Warning: Do not over tighten set screw. Doing so will compromise O Ring seal and will void warranty.

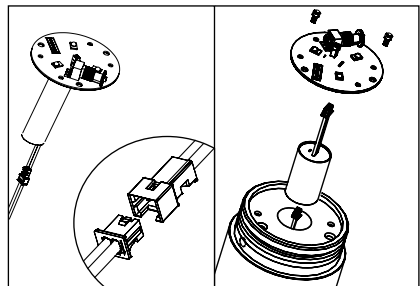
RE-PLACING LED BOARD/DRIVER AND OPTICS



1. Use 5/64" Allen wrench to loosen #8-32 stainless set screw and remove cap.

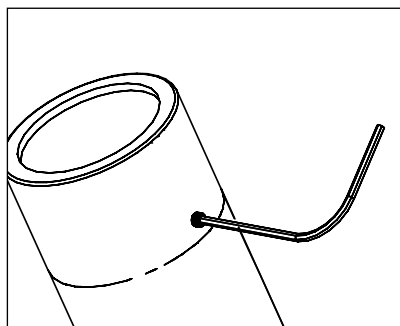


2. Space three fingers evenly around the optic and gently rock optic to remove.
3. Use 5/64" Allen wrench to remove two (2) #2-56 socket head cap screws on LED board, grasp LED board and gently pull up to expose quick disconnect.

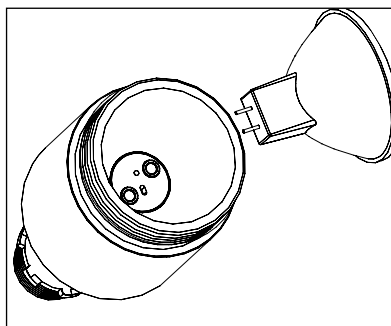


4. Disengage LED board and driver assembly. Replace with new board and driver assembly.
5. Reverse install LED board and driver.
6. With flat head screw driver rotate dial to desired lumen output. Replace cap.

LAMP INSTALLATION OR RE-LAMPING IF REQUIRED FOR LOW VOLTAGE HALOGEN LAMPS



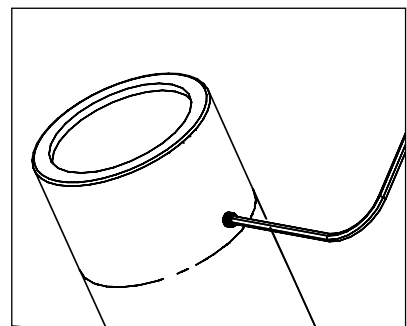
1. Use 5/64" Allen wrench to loosen #8-32 stainless set screw and remove cap.



2. Firmly insert lamp pins into socket to make connection. Rocking motion may be required.



Do not exceed the maximum wattage listed on the fixture label before installing.



3. Place cap on fixture and tighten set screw. Tighten screw to 1/2 inch pounds. Top of screw should sit flush with fixture cap.



Warning: Do not over tighten set screw. Doing so will compromise O Ring seal and will void warranty.

**IMPORTANT SAFETY INFORMATION LISTED ON REVERSE
READ, FOLLOW, AND SAVE ALL SAFETY AND INSTALLATION INSTRUCTIONS**



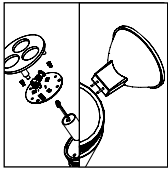
B-K LIGHTING

40429 Brickyard Drive • Madera, CA 93636 • USA
559.438.5800 • FAX 559.438.5900
www.bklighting.com • info@bklighting.com

RELEASED
10-31-13

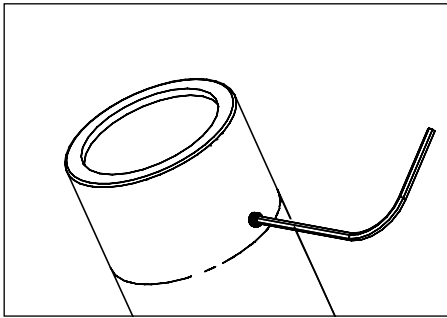
REFERENCE NUMBER
INS000004

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF B-K LIGHTING, INC. AND ITS RECEIPT OR POSSESSION DOES NOT CONVEY ANY RIGHTS TO REPRODUCE, DISCLOSE ITS CONTENTS, OR TO MANUFACTURE, USE OR SELL ANYTHING IT MAY DESCRIBE. REPRODUCTION, DISCLOSURE OR USE WITHOUT SPECIFIC WRITTEN AUTHORIZATION OF B-K LIGHTING, INC. IS STRICTLY FORBIDDEN.

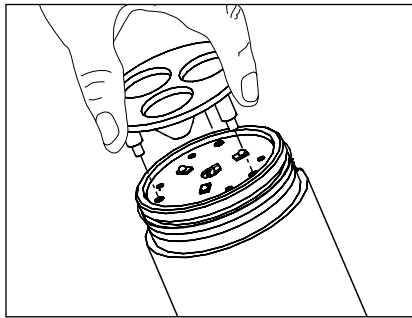


Replacement / Installation Instructions

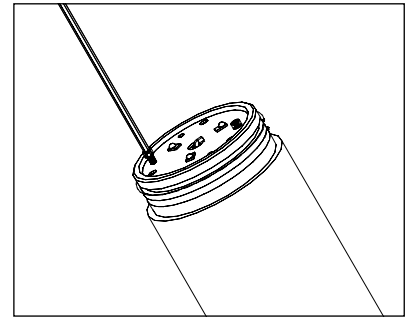
REPLACING LED BOARD/DRIVER AND OPTICS



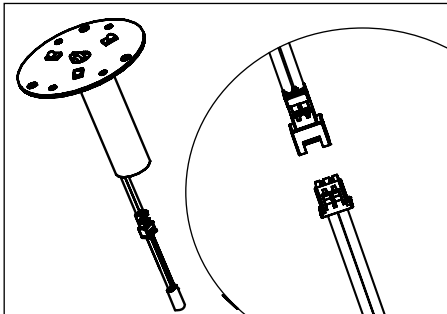
1. Use 5/64" Allen wrench to loosen #8-32 stainless set screw and remove cap.



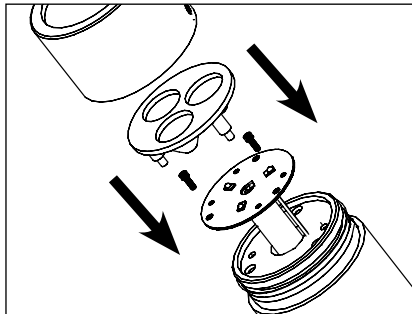
2. Space three fingers evenly around the optic and gently rock optic to remove.



3. Use 5/64" Allen wrench to remove two (2) #2-56 socket head cap screws on LED board, grasp LED board and gently pull up to expose quick disconnect.



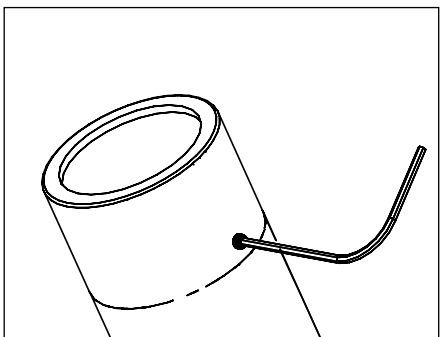
4. Disengage LED board and driver assembly. Replace with new board and driver assembly.



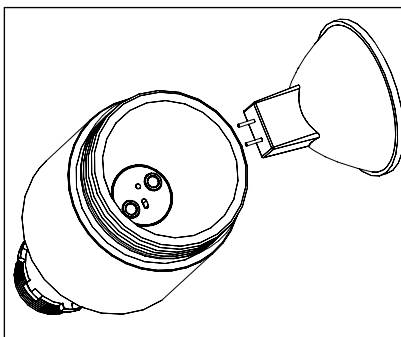
5. Reverse install LED board and driver by carefully wrapping 18 gauge wires around driver and inserting into fixture body. Secure LED board in place with stainless steel screws.

6. Snap optics in place. Place cap on fixture and tighten set screw.

REPLACING LOW VOLTAGE HALOGEN LAMPS

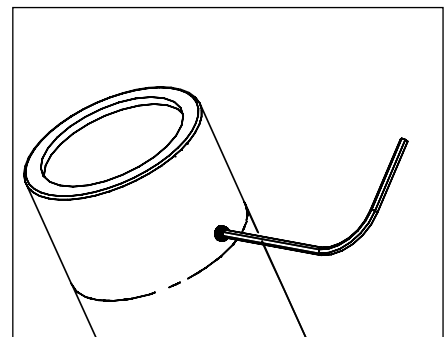


1. Use 5/64" Allen wrench to loosen #8-32 stainless set screw and remove cap.



2. Firmly insert lamp pins into socket to make connection. Rocking motion maybe required.

⚠ Do not exceed the maximum wattage listed on the fixture label before installing.



3. Place cap on fixture and tighten set screw. Tighten screw to 1/2 inch pounds. Top of screw should sit flush with fixture cap.

⚠ **Warning: Do not over tighten set screw. Doing so will compromise O Ring seal and will void warranty.**

**IMPORTANT SAFETY INFORMATION LISTED ON REVERSE
READ, FOLLOW, AND SAVE ALL SAFETY AND INSTALLATION INSTRUCTIONS**



B-K LIGHTING

40429 Brickyard Drive • Madera, CA 93636 • USA
559.438.5800 • FAX 559.438.5900
www.bklighting.com • info@bklighting.com

RELEASED
11-18-14

REFERENCE NUMBER
INS000010

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF B-K LIGHTING, INC. AND ITS RECEIPT OR POSSESSION DOES NOT CONVEY ANY RIGHTS TO REPRODUCE, DISCLOSE ITS CONTENTS, OR TO MANUFACTURE, USE OR SELL ANYTHING IT MAY DESCRIBE. REPRODUCTION, DISCLOSURE OR USE WITHOUT SPECIFIC WRITTEN AUTHORIZATION OF B-K LIGHTING, INC. IS STRICTLY FORBIDDEN.