TIMES SQUARE LIGHTING INC.

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LED9P
MAINTENANCE & OPERATING INSTRUCTIONS - SAVE THESE INSTRUCTIONS

CAUTION: Read and understand these entire instructions before using this fixture.

CAUTION: Always wear protective eyewear and gloves when servicing this fixture for any reason.

CAUTION: Disconnect fixture from power supply before servicing fixture, or installing/removing lamp.

CAUTION: Allow fixture to sufficiently cool before servicing fixture, or installing/removing lamp.

CAUTION: Do not touch the front portion of the LED lamp with your bare hands. Agents such as sodium, grease and oil can contaminate the LED lenses, thereby risking performance.

CAUTION: Do not allow materials to come in contact with the lamp.

CAUTION: Always insure that yoke nuts are tightened and knobs are locked and secured to prevent accessories, pattern holders, or the like from falling out, and never add more than 1/4 pound to the front accessory holder.

CAUTION: Do not attempt to install anything other than Times Square Stage Lighting approved accessories to this fixture.

CAUTION: Do not block any vent holes/slots in this fixture, or use this fixture in any way other than that for which it was intended. Do not use in wet locations.

CAUTION: Use only with a grounded power supply. Do not exceed the maximum wattage rating or voltage rating as indicated on the fixture label.

SECTION 1 : MAINTENANCE (PLEASE REFER TO THE DIAGRAMS BELOW)

NON "IP" MODELS: Lamp Installation / Replacement

1) Remove the four lamp compartment retaining screws and set them aside.
2) Using the knob, gently pull the rear lamp compartment plate straight out until the lamp is clear of the fixture.
3) Remove the lamp by rotating it counter-clockwise until free. Discard the lamp.
4) Install a new lamp by gently inserting it clockwise into the socket until snug. Do not overtighten.
5) Reverse steps 1 & 2.

"IP" MODELS: Lamp Installation / Replacement

1) Remove the two TOP lamp compartment retaining screws and set them aside.
2) Remove the four SIDE lamp compartment cover retaining screws and set them aside.
3) Carefully and gently remove the lamp compartment cover and set it aside.
4) Remove the lamp rotating it counter-clockwise until free. Discard the lamp.
5) Install anew lamp by gently inserting it clockwise into the socket until snug. Do not overtighten.
6) Reverse steps 1, 2 & 3.

DIAGRAM #1

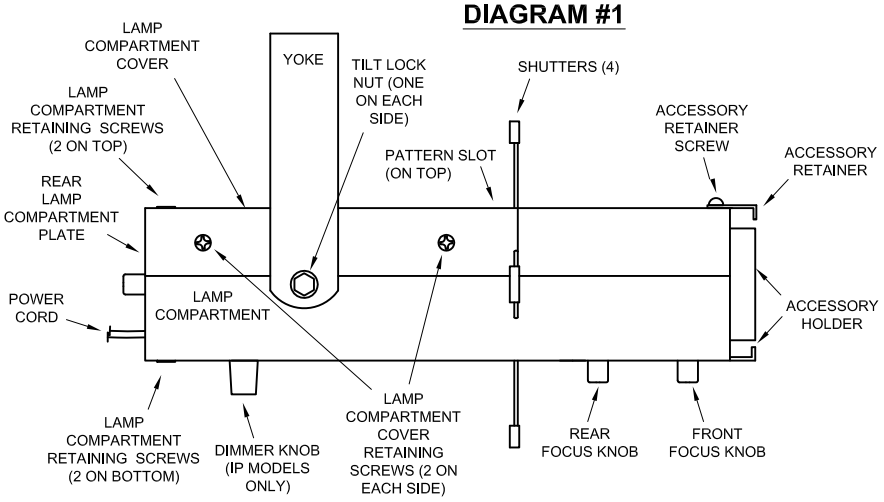


DIAGRAM #2

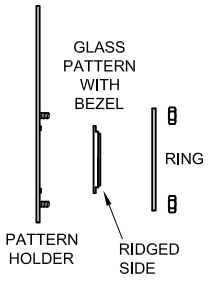
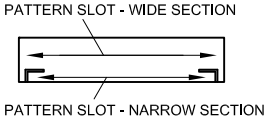
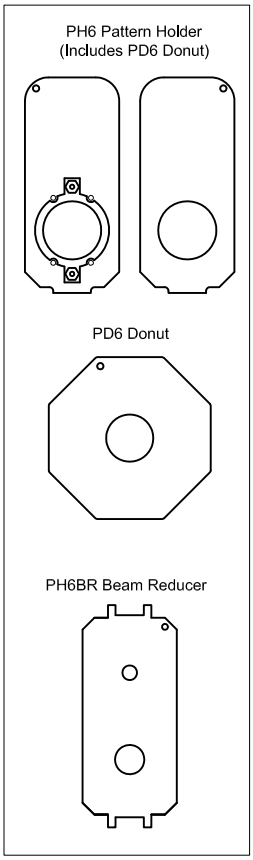


DIAGRAM #3





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SECTION 2: OPERATION (PLEASE REFER TO THE DIAGRAMS ON PAGE 1)

Lens Focusing

NOTE: It is recommended that any patterns be removed and the 4 shutters be pulled outward, extended away from the fixture body before proceeding. Make certain that the pattern slot door is fully closed and secured. When aiming an energized fixture, always use caution as the fixture can become very hot in a very short time.
1) Loosen the two tilt lock nuts, aim the fixture, and then retighten the two nuts.
2) Loosen the front and rear focus knobs until the lenses move freely. While observing the projected beam, adjust the front lens until the desired beam size has been attained. NOTE: Beam size is a function of distance, the further away the fixture is from the target, the larger the beam will be.
3) Tighten the front lens knob until snug (do not overtighten this knob).
4) Move the rear lens to a position that achieves the desired look of the beam's edge, whether it be sharp & clean or soft & fuzzy.
5) Tighten the rear lens knob until snug (do not overtighten this knob). Repeat step 1 if necessary.

Adjusting the Shutters

1) Simply push the four shutter handles inward and rotate them to a position that frames or cuts off the light beam as desired.
2) Repeat the Lens Focusing procedure (above) to fine tune the look of the beam edge on the projected shutter edges, whether it be sharp & clean or soft & fuzzy.

Installing Patterns into the Pattern Holder

1) Remove the 2 nuts holding the ring onto the pattern holder and set the screws and ring aside.
2) Place and center the pattern over the pattern holder window using the 4 small protrusions as a guide. NOTE: Keep in mind that the lenses will reverse and flip the pattern's projected image. CAUTION: For the installation of glass patterns, please refer to DIAGRAM #2 on Page 1.
3) Replace ring and secure with the 2 nuts.

Pattern Holder & Beam Reducer Installation and Adjustments*

NOTE: The pattern slot is divided into two sections: wide and narrow. The narrow section is closest to the shutters, and is used for pattern holders. Please refer to DIAGRAM #3 on Page 1.
1) Loosen the two screws that retain the pattern slot door and slide open the door to fully expose the pattern slot.
2) Install the pattern holder or the beam reducer fully into the narrow section. CAUTION FOR PATTERN HOLDERS ONLY: The two nuts on the pattern holder must be facing toward the *front* of the fixture. CAUTION FOR BEAM REDUCERS ONLY: The two opposing pairs of bent tabs must be facing toward the *front* of the fixture.
3) Close the door as far as it will go and tighten the two retaining screws.
4) Repeat the Lens Focusing procedure (above) to fine tune the look of the beam edge on the projected pattern.
NOTE: It is recommended that the pattern slot door be fully closed and its retaining screws tightened when a pattern is not in use.

Rotating Pattern / Iris Plate Installation*

NOTE: The pattern slot is divided into two sections: wide and narrow. The wide section is furthest from the shutters, and is used for rotating patterns and iris plates. Please refer to DIAGRAM #3 on Page 1.
1) Loosen the two screws that retain the pattern slot door and slide open the door to fully expose the pattern slot.
2) Install the iris plate or pattern rotator fully into the wide section. Follow any additional manufacturer's instructions.
3) Operate the iris with the lever located at the top of the iris plate, and operate pattern rotators following manufacturer's instructions.
CAUTION: It is not recommended to use the iris in a fully closed position for extended periods of time as this can reduce the life and overall performance of the LED Module.
NOTE: It is recommended that the pattern slot door be fully closed and its retaining screws tightened when a pattern is not in use.

Safety Cable Installation

Install the safety cable such that the cable threads through the yoke and around the pipe to which the fixture is attached. The cable should then be latched to itself forming a complete loop, encircling the pipe and the yoke.

C-clamp Installation

Use a C-clamp to attach the fixture to a pipe, making sure that the C-clamp is sized correctly for the pipe to be used. The C-clamp attaches to the yoke via the 1/2" mounting hole located in the center of the yoke. Make sure that any washers are located between the C-clamp bolt head and the yoke. This same hole can be used to mount the fixture to a side arm, table base, or stand.

Installing Accessories into the Accessory Holder

NOTE: The accessory holder is located on the fixture front and will accept color frames, filters, etc.
1) Remove the accessory retainer screw and retainer and set them aside.
2) Install accessories such that the left, right and lower tab fully capture the accessories installed.
3) Reinstall retainer and accessory retainer screw such that the lip of the retainer is fully extended beyond the fixture front and completely overlaps the accessories, securely holding them in place. Make certain that the tilt lever is firmly and completely tightened before adding accessories to the front of this fixture.
CAUTION: Do not add more than 1/2 pound to the front of this fixture.

*Installing a PD6 Donut into the Accessory Holder will often improve the clarity of the projected pattern images.

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