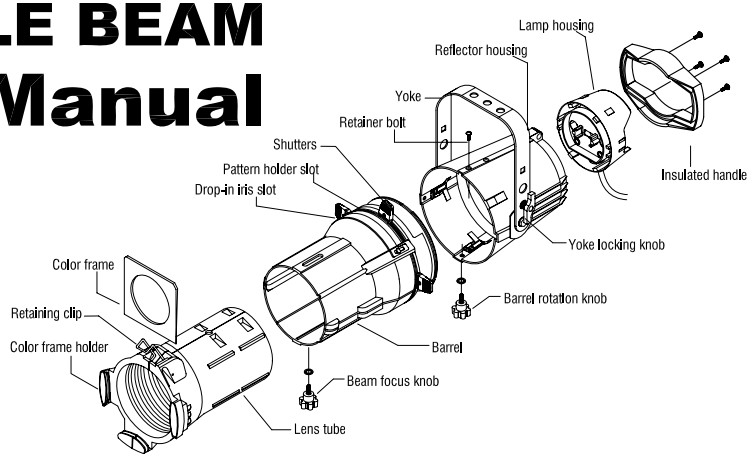
PROFILE BEAM
User Manual



Model: MN-750

IMPORTANT SAFETY INSTRUCTIONS

1. Before you initially start-up, please make sure that there is no damage caused by transportation. Should there be any, consult your dealer and do not use the device.
2. **CAUTION!** Be careful with your operations. With a dangerous voltage you can suffer a dangerous electric shock when touching the wires! Keep away from heaters and other heating sources!
3. **Do not** mount the device on or near combustible sufaces. **Do not** operate the device without a lens installed.
4. Always hang the device with the color frame retaining clip in the locked position.
5. This device falls under protection-class I, therefore it is essential that the yellow/green conductor gets connected to earth. The electric connection must be carried out by a qualified employee.
6. Make sure that the power-cord is never crimped or damaged by sharp edges. Check the device and the power-cord from time to time.
8. If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.
9. Shields, lenses or ultraviolet screens shall be changed if they have become visibly damaged to such an extent that their effectiveness is impaired, for example by cracks or deep scratches.
10. Never let the power-cord come into contact with other cables! Handle the power-cord and all connections with the mains with particular caution!
11. Always disconnect from the mains, when the device is not in use or before cleaning it. Only handle the power-cord by the plug. Never pull out the plug by tugging the power-cord.
12. During the initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective.
13. **DANGER OF BURNING!** Never touch the device during the operation! The housing heats up to the housing temperature $T_{SURFACE}$.
14. Don't switch the device on and off in short intervals as this would reduce the lamp's life.
15. **HEALTH HAZARD!** Never look directly into the light source, as sensitive persons may suffer an epileptic shock (especially meant for epileptics)!
16. Keep away children and amateurs from the device!
17. There are no serviceable parts inside the device. Maintenance and service operations are only to be carried out by authorized dealers.

Installing or replacing the GKV lamp

A lamp must be installed before you use the fixture.

Note: *Verify that the GKV lamp you intend to install is suitable for your facility's voltage; 115-,120-,230-,and 240-volt GKV lamps are available. See the above table.Operating GKV lamps above their rated voltage reduces lamp life and can cause premature lamp failure.*

Replace the lamp if it becomes damaged or thermally deformed.

WARNING! *Let the lamp cool before replacing.*

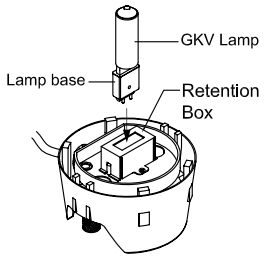


Figure 1

1. Disconnect power to the Profile Beam before installing the lamp.
2. Loosen the knurled bolt on the back of the lamp housing and pull the housing out.
3. Holding it by the base, remove the lamp from its retention box. **Note:** To avoid premature lamp failure,do not touch the lamp glass. If you do, clean it carefully with rubbing alcohol and a clean lint-free cloth before operation.
4. line up the lamp base with the hole of the retention box as show in **Figure 1.**
5. Push down on the lamp base until the lamp seats firmly. ***Caution!*** Improperly installed lamps cause premature lamp failure and socket problems.
6. Reinstall the lamp housing by aligning the bolt hole and tightening the knurled bolts.

Lens Locations

The different lenses used in the Profile Beam are not interchangeable. When installing a new lens, refer to the illustration below for proper placement. Also, remember to have the lens' color designator dot facing the color frame.

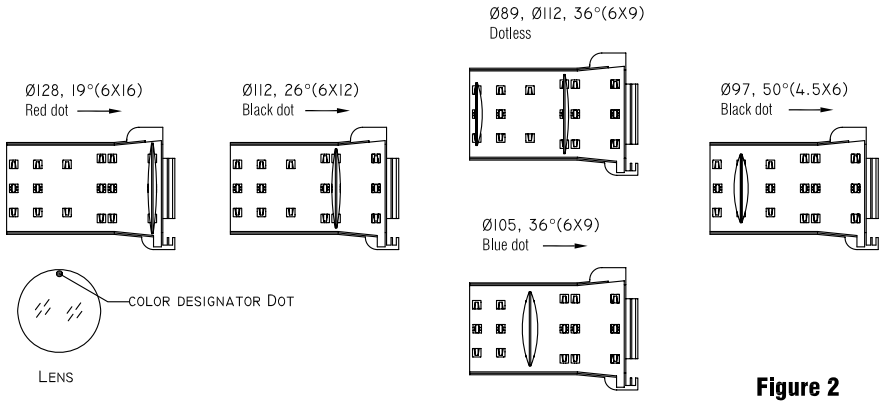


Figure 2

Centering and adjusting the lamp

The marked "A,B,C" three adjustive screws located on the rear lamp housing allow you to center the lamp within the reflector and adjust its beam field **(See Figure 3 mark A. B. C.)**.

1. Turn on the Profile Beam and aim it at a flat surface.
2. Loosen (counterclockwise) or tighten (clockwise) the A, B, C three screws in turn until the lamp is centered within the reflector and achieve an optimum flat field (most bright and most rounded).

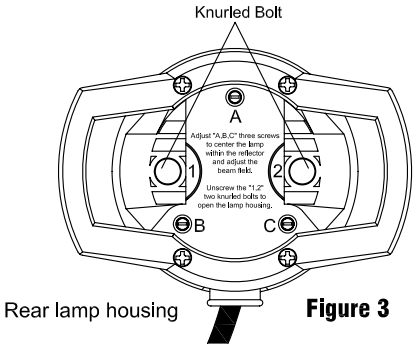


Figure 3

Focusing the beam

1. Loosen the beam focus knob located under the barrel as shown in **Figure 4.**
2. Slide the lens tube forward or backward to achieve the desired beam edge.
3. Once the fixture is focused,tighten the beam focus knob.

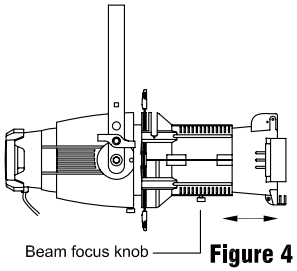


Figure 4

Color frame retaining clip

The color frame holder is equipped with a spring-loaded retaining clip thap prevents color frames and accessories from falling out **(Figure 5).**

WARNING! *Make sure all color frame accessories are locked in position with the retaining clip before hanging the Source Four.*

1. Release the retaining clip by pushing it sideways while gently pulling backwards.
2. Insert the color frame.
3. Lock the retaining clip by pushing sideways while gently pushing forward.

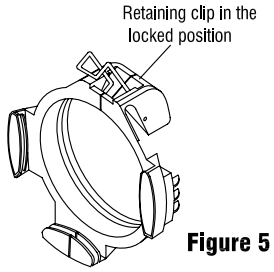


Figure 5

Color notes

The performance of saturated colors is not guaranteed with low temperature ranges. For best results, always use a high quality and temperature color medium. This product color extender may help increase your gel life. Contact your dealer for ordering information.

Note: *An optional conical color extender is available for use with saturated colors and 750W GKV lamps.*

Fixture Version	Soft Focus Tube Back	Sharp Focus	Soft Focus Tube Forward
5°	✓	✓	✓
10°	✓	✓	✓
19°	×	✓	✓
26°	×	✓	✓
36°	✓	✓	×
50°	×	✓	✓
✓ =Better gel life × =Worse gel life			

Shaping the beam

You may shape the beam with the shutters, a pattern, an optional drop-in iris, or by rotating the barrel.

Pattern projection

The pattern holder slot is on the top side of the barrel and in front of the shutters. It accommodates A-size,B-size and glass pattern holders **(Figure 6).**

Note: *Because the moon light aperture is three inches wide, you can use A-size patterns for maximum pattern effectiveness.*

Use an optional donut in the accessory holder to enhance pattern projection.

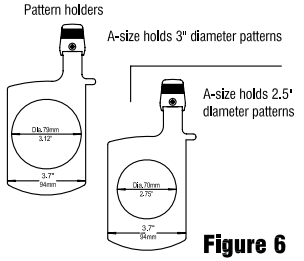


Figure 6

Drop-in iris slot

The drop-in iris slot is located on the top of the barrel and in front of the pattern holder slot.It accommodates either a drop-in iris or a motorized pattern device. When the slot is not in use, a small sheet metal cover secured with two screws prevents light leakage **(Figure 7).**

1. Use a screwdriver to loosen the screws on the drop-in iris slot cover. Do not remove the screws.
2. Slide the cover completely forward to expose the slot.
3. Insert the iris or motorized pattern device. For an iris, install the flat side toward the shutters and make sure that the iris handle extends from the slot.
4. Slide the slot cover back toward the shutters until it meets the iris handle. Leave enough space to move the iris handle.
5. Secure the drop-in iris slot cover by tightening the screws.

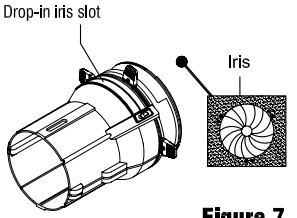


Figure 7

Rotating the barrel assembly

1. Loosen the barrel rotation knob directly behind the shutters on the underside of the reflector housing **(Figure 8).Do not** remove the barrel rotation knob.
2. Rotate the barrel to the desired position (up to 25° in either direction from the centered position).
3. Once the barrel is positioned, tighten the barrel's rotation knob to lock it into position.

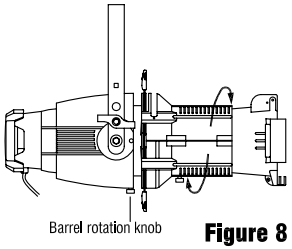


Figure 8

Installation With Clamp

You can choose a appropriate clamp from your dealer to fixthe fixture to the mounting pipe and allows you to adjust the position of the fixture once it is mounted **(Figure 9).**

1. Tightly fasten the clamp to the yoke with the provided yoke bolt and lock washer.
2. Place the clamp on mounting pipe, then tighten the pipe bolt to secure it.
3. Loosen the clamp pan screw and rotate the yoke to the desired position.
4. Tighten the pan screw to lock the fixture into position.

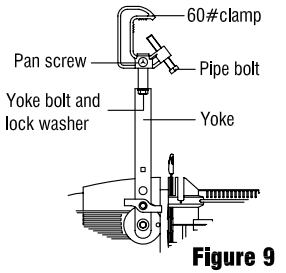


Figure 9

Adjusting the yoke position

The device provides multi-positioning capabilities within its yoke for overall fixture height and angle.

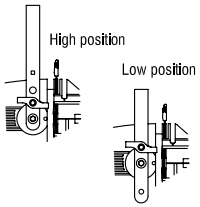


Figure 10

Setting the fixture height within the yoke

The device has a two-position yoke for modifying the overall height in which the fixture is mounted **(Figure 10).**To change the height position, do the following**:**

1. Remove the yoke locking knobs, washers, and hex bolts from either side of the fixture.
2. Raise or lower the fixture to the desired position within the yoke.
3. Replace the yoke's hex bolts,washers, and locking knobs.
4. Tighten the yoke knobs to secure the fixture in position.

Setting the angle within the yoke

1. Loosen the yoke locking knobs. **(Do not** remove them.)
2. Tilt the fixture to the desired position **(Figure 11).**
3. Tighten the yoke locking knobs to secure the fixture in position.

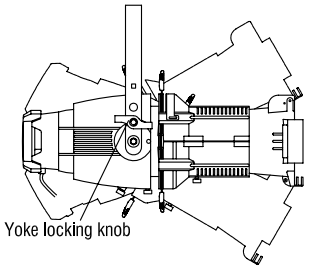


Figure 11

Cleaning

Please follow the following recommendations when cleaning and inspecting lenses and reflectors**:**

Do not use glass or window type cleaners on lenses (glass or polymer) or reflectors.

Do not use abrasive materials such as steel wool.

Replace lenses if they contain visible damage (cracks or deep scratches) that may impair their effectiveness.

Cleaning 19° , 26° , 36° , and 50° glass lenses

1. Remove the beam focus knob at the bottom of the barrel. Remove the lens tube from the barrel.
Note: *It is not necessary to remove the lens for cleaning. If you do remove the 19°,26°,or 50° lens. make sure the identifying paint dot is not removed during cleaning.*
2. Dampen a clean lint-free cloth with vinegar or household ammonia. You may also use water, but it will leave spots that can be removed by gently polishing the lens with a clean and dry cloth.
3. Starting from the center, gently wipe the lens.
4. Slide the lens tube back into the barrel with the color frame retaining clip on top. Replace the beam focus knob.

Cleaning 5° and 10° polymer lenses

To quickly clean the lenses.remove dust with a blast of oil-free air.if this is not sufficient, follow the instructions below, You will need a screwdriver

Caution! *Handle polymer lenses by their edges only. Never rub anything dry on a polymer lens.*

1. Remove the beam focus knob.Gently pull the lens tube out of the barrel.
2. Use a screwdriver to remove the brackets that hold the lens in place. Remove the lens from the tube.
3. Dip the lens in a clean alcohol/water mixture(10% alcohol).
4. Use a moistened nylon bristle brush to wash the lens' smooth side in a linear (non-circular) motion.
5. Use the same brush to lightly wash the lens' ridged side by following its ridges.

6. Dip the lens in a clean alcohol/water mixture (10% alcohol).
7. Dry the smooth and ridged surfaces with an air gun. Make sure that the air flow moves liquid awway from you.
8. Inspect the lens for dirt. Repeat steps 3-7 if necessary.
9. Set the lens back in the lens tube with the ridged side facing the front of the tube.Replace the lens brackets.
10. Slide the lens tube back into the barrel with gel frame retainer on top. Replace beam focus knob.

Cleaning the reflector

WARNING! *Unplug the fixture before attempting to clean the reflector.*

To quickly clean the reflector, remove the lens tube and clean the dust from the reflector with a blast of oil-free air. You may also wipe the reflector with a clean lint-free cloth. If either method is not sufficient, follow the instructions below. You will need a screwdriver to complete this procedure.

1. Remove the barrel rotation knob located at the bottom of the barrel. Use a screwdriver to remove the retainer bolt located on top of the reflector housing.
2. Rotate the barrel 45° in either direction. Carefully remove the barrel from the reflector housing.
3. Dampen a clean lint-free cloth with alcohol or distilled water. (Alcohol is recommended.)
4. Gently wipe the reflector.
5. Insert the barrel into the reflector housing with the iris/pattern slot on top. (Line up the triangles on both parts.)
6. While pressing in gently,rotate the barrel 45° clockwise until it sets into position. Then, rotate the barrel counterclockwise 45°, The barrel should be firmly attached and the triangles should line up again.
7. Replace the barrel rotation knob and tighten the retainer bolt.

TECHNICAL SPECIFICATIONS

Power supply:	REFER TO the lamps you choosed
Power consumption	Max. 600W
Dimensions (L x W x H);	270 x 270 x 570mm
Weight;	2.4 kg
Fitting lamp	600W GKV lamps Base: G9.5 Halogen
Maximum ambient temperature t_a:	25°C
Maximum housing temperature t_s:	160°C
Minimum distance:	2 m

..THE END..

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