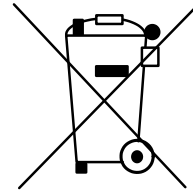


## RAMA FRESNEL & PC RANGE OPERATION MANUAL



**THANK YOU FOR PURCHASING A SELECON FIXTURE. WE HAVE DESIGNED THIS FIXTURE TO PROVIDE YOU WITH A SUPERIOR FITTING IN PERFORMANCE, DESIGN AND ENGINEERING. WE ARE CONFIDENT THAT IT WILL PERFORM TO YOUR EXPECTATIONS FOR MANY YEARS TO COME.**

**IMPORTANT NOTE:** Before discarding the packaging ensure you have the suspension bolt set, color frame, lamp base spacers &/or the lamp.

**Before operating your new luminaire please read this information to assist you in making maximum use of your luminaire, its maintenance and care. If you would like further assistance contact your Selecon dealer or Selecon.**

### LAMPING YOUR FIXTURE

**Before lamping – DISCONNECT THE FIXTURE FROM THE POWER SUPPLY. Be aware also that the lamp, fixture or integrated safety bond may still be hot, so exercise the necessary caution to avoid burns. Please note also that these fixtures are not suitable for mounting on a normally flammable surface.**

The Selecon Rama Fresnel and PC range comprises four models: the **High Performance 7” Fresnel, High Performance 7” PC, 6” Fresnel and 6” PC.**

#### Selecon Rama Fresnel and PC with P28 Lamp Base

The Selecon Rama range with P28 lamp base is designed for use with either the BTN 750W or BTR 1000W lamp.

#### Selecon Rama Fresnel and PC with G22 Lamp Base

The Selecon Rama range with G22 lamp base is designed for use with the EGT 750W 1000W lamp.

To relamp:

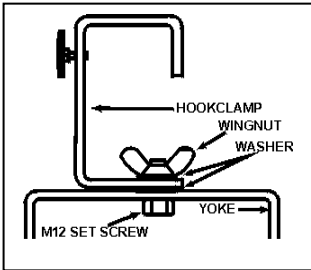
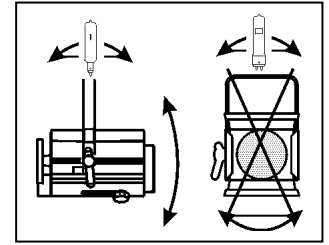
- Release the clip fastener and swing down the door.
- Insert lamp taking care not to touch the quartz envelope with your fingers.
- Close door and lock off the fastener.



**The fixture should be at least 5ft away from the nearest object it is lighting.**

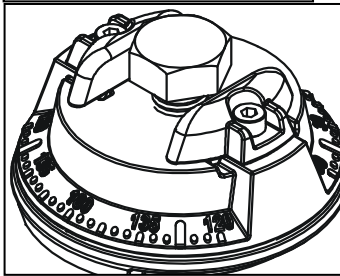
**MOUNTING YOUR FIXTURE**

Your fixture uses a theatre lamp with a grid filament. To avoid premature lamp failure it is essential that the fixture is always mounted so the yoke is horizontal and with the lamp base down, i.e. the lamp adjustment knob is at the bottom of the rear lamp plate.



**Rama 6" Fresnel and PC / Rama 7" Fresnel and PC**

To mount on the theatre standard scaffold pipe (2" O.D.) use a theatre hookclamp (G clamp) (Order Code: 20HC). Your fixture is supplied with a 12mm set screw, washers and a nut. Thread the set screw through the yoke from the inside, put on a washer, then the hookclamp, another washer and then do up finger tight with the nut. To mount on a telescopic stand, reverse the yoke under the luminaire and bolt the stand's spigot onto the 12mm set screw.



**Rama 6" FFT Fresnel and PC, Rama 6" FFT HP Fresnel and PC**

To mount on the theatre standard scaffold pipe (2" O.D.) Use a Mega Clamp or similar. Your fixture is supplied with a FFT pan grip control to facilitate fast adjustment. Place the Mega Clamp into the top of the FFT pan grip control, and fasten onto the central shaft thread. Do not use a washer between the clamp and the pan control. Lock the Mega Clamp into place with the guides. *For further information refer to the separate sheet provided with the FFT Pan Grip control.*

**SAFETY CHAIN**

A safety chain **MUST** always be used when rigging fixtures on bars, ladders etc. The Rama has an integral safety bond that can be retracted into the fixture when not in use. To use the safety chain, unscrew the safety chain locking clamp located on the top of the lamphouse, pull the clip out from the rear of the lamphouse, and loop the safety chain around the bar fastening the clip onto the safety chain. Be careful to allow sufficient slack to enable the fixture to be focussed freely. To replace the safety chain, remove the rear lamphouse molding, slide out the safety chain locking clamp, and pull out the safety chain, taking care to retain the safety chain loop bar. Reverse the process with a new safety chain. Replace only with the approved Safety Chains available from Selecon or your distributor.

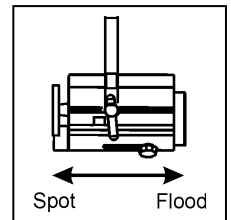


**WARNING:** the integrated safety chain will get very hot during use, please take care in handling when the luminaire is on.  
Please be careful to allow sufficient slack to allow the luminaire to be focused freely.

**FOCUSING**

**Rama 6" Fresnel and PC, Rama 7" Fresnel and PC**

The variable beam of the Rama is altered by adjusting the position of the lamp / reflector assembly relative to the lens. Finger tight pressure only is necessary to lock the lamp / reflector assembly off in the chosen positions. A beam angle reference scale is provided to prefocus the fixture if desired.



When focusing, first spot the beam down, position the fixture and then flood the beam to cover the area required. The beam can then be shaped using the barndoors (Order Code: 20BDSF12).

**Rama 6" FFT Fresnel and PC, Rama 7" FFT HP Fresnel and PC**

The variable beam of the Rama is altered by adjusting the position of the lamp / reflector assembly relative to the lens. The Rama is supplied with an FFT focus assembly to facilitate fast adjustment. To adjust the beam angle of the Rama, squeeze the focus grip and slide to the position required. Release the focus grip to lock the focus. A beam angle reference scale is provided to prefocus the fixture if desired.

When focusing, first spot the beam down, position the fixture and then flood the beam to cover the area required. The beam can then be shaped using the barndoors.

### **YOKE PIVOT ADJUSTMENT**

The yoke on the Rama range can be positioned anywhere in the channel that runs the length of the fixture. This is useful to achieve the best balance if using a color changer or other accessory mounted on the front of the fixture, or to fit the fixture in space restricted positions.

The yoke balance point is factory set on the lamp house for normal applications. To move the yoke, loosen the M8 bolt at the bottom pivot point of the yoke on the right side of the fixture. Release the tilt locking clamp on the left side of the fixture, and slide the yoke to the required position. Check the yoke is evenly positioned on each side and tighten the M8 bolt, and the tilt locking clamp. To return the yoke to its original balance point, align the yoke to the balance point marked on the focus reference scale.

### **PAN AND TILT ADJUSTMENT**

#### **Rama 6" Fresnel and PC, Rama 7" Fresnel and PC**

To pan your fixture, loosen the yoke nut and bolt holding the hookclamp onto the yoke and adjust the yoke as required, then retighten the yoke nut and bolt.

The nylock nut that secures the yoke on the opposite side to the tilt handle sets the tilt lock friction. The tilt friction can be adjusted by loosening or tightening up the nylock nut. To tilt your fixture, turn the tilt lock knob clockwise, tilt the fixture to the position required, and then turn the tilt lock knob anticlockwise. A tilt angle reference scale is provided on the locking clamp disc to prefocus the fixture if desired.

**NOTE: the handles and integrated safety bond on the Rama range can reach high temperatures depending on the position or orientation of the fixture: gloves should always be worn when focusing these fixtures.**

#### **Rama 6" FFT Fresnel and PC, Rama 7" FFT HP Fresnel and PC**

The Rama is supplied with an FFT pan assembly on the yoke to facilitate fast adjustment. To pan your luminaire turn the pan locker a ¼ turn clockwise and adjust the yoke as required, then turn the pan locker a ¼ turn anticlockwise to set the position. A pan angle reference scale is provided on the FFT pan assembly to prefocus the fixture if desired.

The nylock nut that secures the yoke on the opposite side to the tilt handle sets the tilt lock friction. The tilt friction can be adjusted by loosening or tightening up the nylock nut. To tilt your fixture, turn the tilt lock knob clockwise, tilt the fixture to the position required, and then turn the tilt lock knob anticlockwise. A tilt angle reference scale is provided on the locking clamp disc to prefocus the fixture if desired.

### **ACCESSORIES**

- ◆ Suspension Hook Clamp (Order Code: 20HC)
- ◆ Lens Safety Mesh (Order Code: 20SM6)
- ◆ Color Frame – the fixture is supplied with a color frame 7 3/8" x 7 1/2". Additional color frames are available (Order Code: 20CFRA12).
- ◆ Barndoor (Order Code: 20BDSF12)

### **EARTH TEST POINT**

There is an earth test point located on the rear housing of the Rama. The earth test point is the silver machine screw located on the right side of the rear housing, and is indicated by an earth symbol. To test the earth of the Rama, place the test probe on the silver machine screw, and perform the earth test.

### **CLEANING**

Open the down-swinging door, and clean the lens and/or reflector with a soft lint-free cloth.

**This is the only maintenance task, which can be safely carried out by non-approved personnel. Refer below – Safety & Maintenance note.**

**SAFETY & MAINTENANCE** Selecon has manufactured this fixture in accordance with recognised best practices to recommended international safety standards. It is your responsibility to maintain this fixture in good and safe working condition.

## North America

Repairs should only be carried out by suitably qualified persons. Do not operate the fixtures with cracked lens, damaged cables etc. Consult your Selecon distributor for assistance. Only replace damaged parts with authorised Selecon spares.

N.B. Fixture Cable – your Selecon fixture is fitted with a special heat-resistant, flexible cable, replace with genuine Selecon spare part cable kit only – refer to your Selecon distributor. (Replacement cables are supplied complete with necessary terminal connectors).

Cable Conductor color codes:   Brown               -Phase, Live  
  Blue                -Neutral, Return  
  Green/ Yellow   -Earth

### **LIMITED WARRANTY**

**Selecon warrants its products against defects in materials or workmanship. The term of this warranty is based on the product usage and is from the date of delivery. Entertainment, Theatre Term = Three Years**

Entertainment, Theatre relates to the typical conditions found in a theatre performance venue viz: 4 – 6 hrs per day, six days per week.

This warranty is void in any of the following circumstances: (a) The fixture has been misused, neglected, damaged or abused. (b) The fixture has been improperly installed, operated, repaired or maintained. (c) The fixture has been modified. (d) The fixture has been connected to other equipment with which it is not compatible. (e) The fixture has been used or stored in conditions outside its electrical or environmental specifications. (f) The fixture has been used for purposes other than for which it was designed. (g) The fixture has been used outside its stated specifications and operating parameters.

Correct installation of the fixture is the owner's responsibility.

To assert a warranty claim, complete the Selecon Return Authorisation Form (available from Selecon). Return the fixture to Selecon or its authorized agent.

Selecon accepts the warranty claim, Selecon will provide, or arrange for, service, repair or replacement as Selecon shall determine in its sole discretion. Selecon shall bear the cost of such service, repair or replacement. However, the owner shall bear the cost of freight and insurance on the fixture, both ways. If Selecon does not wish to service, repair or replace the defective fixture, it shall refund the purchase price. Selecon's sole responsibility is to repair, replace or service a fixture subject to a valid warranty claim. Under no circumstance will Selecon be liable for direct, indirect, incidental, special or consequential costs or damages, including dismantling and re-installation costs, loss of operations or profits, to the maximum extent permitted by law. Selecon accepts no liability for personal injury or property damage resulting from failure to heed relevant operating and safety procedures specified by Selecon or imposed by law.

This is an express warranty. Selecon disclaims any other express or implied warranties, including warranties of merchantability or fitness for purpose, to the maximum extent permitted by law.

Some jurisdictions do not allow limitations or disclaimers of implied or statutory warranties. Some jurisdictions do not allow disclaimers or exclusions of consequential or incidental damages. Therefore, the above disclaimers, limitations and exclusions may not apply in all jurisdictions in which Selecon sells its fixtures.

This warranty gives the owner specific legal rights. The owner may have other rights or remedies pursuant to the laws in its territory. Nothing in this limited warranty should be construed as limiting or restricting any other statutory right or remedy of the owner, except for such limitations or restrictions herein as may be allowed by the law of the territory. Selecon has a policy of continual product improvement and specifications are subject to change without notice.

#### **Manufacturer:**

Selecon, 19-21 Kawana Street, Northcote 0627, Auckland, New Zealand Ph:  
64 9 481 0100 Fax: 64 9 481 0101

[www.seleconlight.com](http://www.seleconlight.com)