

SELECON

PACIFIC FOLLOWSPOT OPERATION MANUAL



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

Important!

Read this manual from cover to cover before attempting to install, operate or maintain the luminaire to which it relates. It contains important installation, operating, maintenance and safety procedures. The customer must strictly comply with them.

Along with such procedures mentioned in this document, the customer should also observe such other procedures generally applicable to lighting equipment.

Follow the instructions in this manual carefully. Selecon accepts no responsibility if the customer fails to do so.

For each customer, operating conditions will vary, sometimes greatly. Such variations may affect the luminaire's performance. Selecon has no control over the customer's unique operating environment. Hence, Selecon makes no representations or warranties concerning the luminaire's performance under the customer's actual operating conditions. All operating parameters must be validated for each customer application by the customer's technical experts.

If the customer does not follow the installation, operating, maintenance and safety procedures in this manual, as well as those generally applicable to lighting equipment, the luminaire may not perform as expected. More seriously, it may cause property damage, personal injury or other losses.

Selecon accepts no liability for direct, indirect, incidental, special, or consequential damages resulting from the customer's failure to follow the installation, operating, maintenance and safety procedures in this manual or those generally applicable to lighting equipment. The foregoing limitation extends to damages for personal injury, property damage, loss of operations, loss of profits, loss of product or loss of time, whether incurred by the customer, the customer's employees or a third party.

Selecon used all due care in preparing this manual. However, Selecon accepts no liability for errors or omissions. Selecon reserves the right to change the specifications of its luminaires, or the information in this manual, without necessarily giving its customers notice thereof.

Installation, operation and maintenance are entirely at the customer's risk.

Selecon's luminaires should be installed, operated and maintained by suitably qualified personnel. Such personnel should have previous experience with lighting equipment as well as general electrical experience.

This manual is intended to provide general guidance to such suitably qualified personnel. For specific guidance and technical support, contact Selecon or its authorised representative.

Information in this manual shall not be deemed a warranty, representation or guarantee concerning a luminaires' suitability or fitness for a specific purpose.

Subject to the right to use its luminaires, Selecon does not convey any right, title or interest in its intellectual property, including, without limitation, its patents, copyrights and know-how. If you would like further assistance contact your local Selecon dealer or Selecon.

IMPORTANT NOTE: Before discarding the packaging ensure you have package containing the spigot set, teflon platten washer, front guide handle, and colorframe accessory.

MOUNTING THE SPIGOT

To attach the spigot and teflon washer to the followspot:

1. Remove the M12 bolt and steel washer from the spigot.
2. Insert the M12 bolt and washer through the top of the hole in the yoke.
3. Place the teflon washer, mounting it flush and centred to the platten on the bottom of the yoke
4. Screw the spigot onto the section of the bolt protruding from the bottom of the yoke, and tighten with a suitable tool. *Do not tighten by hand!*

MOUNTING THE FRONT GUIDE HANDLE

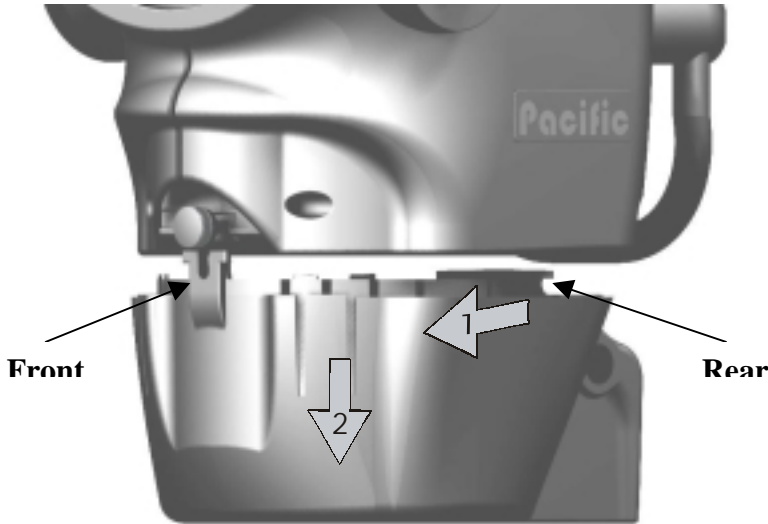
To attach the front guide handle to the followspot:

1. Remove the two M6 bolts and steel washers from the handle plate located in the channel on the lens tube.
2. Position the plate and handle in the desired position.
3. Fasten the two M6 bolts and washers through the holes of the front guide handle, and screw into the handle plate. Tighten with a suitable tool. *Do not tighten by hand!*

LAMPING YOUR FOLLOWSPOT

Before re-lamping – DISCONNECT THE LUMINAIRE FROM THE POWER SUPPLY. Be aware also that the lamp or luminaire may still be hot, so exercise necessary caution to avoid burns.

Before inserting a lamp into the module, we suggest that you practice the motion of removing and inserting the lamp holder module from the lamphouse.



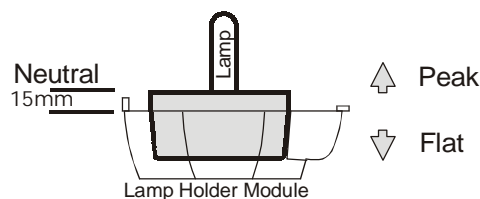
Loosen the thumb-screw at the front of the lamp holder module by about 5mm. Holding the lamp holder module, slide it forward until both the rear lip and the front 'T' of the lamp holder module clear their home positions [1], then pull the lamp module down [2]. Reverse this action to replace the lamp holder and then tighten the thumb-screw to lock the lamp holder module into position. The lamp module is factory set at a mid peak / flat field.

Turn on and make final peak / flat setting as desired – refer notes below on 'Optimising the Output'

To replace the lamp:

- 1 Remove the lamp holder module as described on Page 2.
- 2 Set the level of the metal cup holding the lamp base.

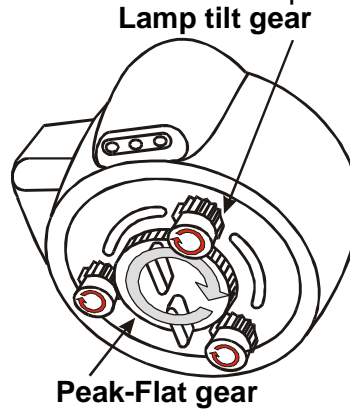
Level the cup with the edge of the module by adjusting the three levelling screws.



- 3 Remove the old lamp. Align the pins of the new lamp to the correct holes and push the lamp firmly home. Do not touch the quartz envelope of the lamp with your fingers - use the plastic sheath supplied to insert the lamp.
- 4 Carefully replace the lamp holder module and tighten the thumbscrew to lock it into position. Reconnect the followspot to the power supply.
- 5 Set the beam angle to its widest with a sharp edge
- 6 Centre the lamp in the middle of the beam if necessary, by adjusting the three levelling screws.

OPTIMISING THE OUTPUT

The lamp position can be altered to 'peak' or 'flat' light output. The peak beam gives a central hot spot falling off evenly to the beam edges. This setting is useful for normal stage lighting purposes where beams are overlapped to achieve an even cover. Flat adjustment provides a visually even light beam suitable for followspot operation. Take care to move the lamp carefully as the lamp filament is burning white hot and at its most vulnerable. Don't over-tighten the knobs, finger tight pressure is all that is required.



Adjust the beam to its narrow angle, with a sharp edge. Have the iris at the full open position

- 1 Peak the output (turn the centre gear clockwise) until you see light flare around the edge of the beam.
- 2 Turn the centre gear anti-clockwise until the flare is removed and you have a clean sharp-edged beam. This is the position of maximum light output.
- 3 To set a 'FLAT' beam, turn the centre gear anti-clockwise until the distribution appears even across the beam.

For 18PACFS80VL and 18PACFS1 do the following additional steps:

1. Close the iris to its minimum setting.
2. Focus the beam to the desired size and edge sharpness. For a hard edge setting, the best focus position is just before a red ring appears around the beam edge. This will work well when the iris is fully open or almost closed.

Note that, as in all lamps, the followspot should be run for 15-20 minutes before optimum light output is achieved.

LAMPS

1. 18PACFMSRL

The Pacific Followspot MSR 575 is supplied with the following lamp holder module

19PACLMMSRHR

The lamp holder module has a G22 lampbase for use with 575w MSR single ended Hot Restrike lamps. Lamps suitable for this module include:

Philips MSR 575 HR lamp
Average Lamp Life: 750 hours
Colour Temperature:5600K
Burning Position: Universal
Voltage at Startup: <5Kv
Voltage running:95v
Current at Startup 7.7A
Current running: 7A
Re-Ignition time: instant

2. 18PACFS80VL

The Pacific Followspot 80V 1200W Power System is supplied with the following lamp holder module

19PACLM80V

The lamp holder module has a G22 lampbase for use with 80V 1200w lamps. Lamps suitable for this module include

Philips 6980Z
GE OC1200

The electronics of the Pacific 80v Power System is fitted with an 8A slow blow (6.35 x 32mm) fuse. It is possible that this fuse may blow in the event of a lamp failure involving the collapse of the filament structure.

2. 18PACFS6

The Pacific Followspot 575/600 is supplied with the following lamp holder module

19PACLM6

The lamp holder module has a G9.5 lampbase for use with 575/600 115-240v lamps. Lamps suitable for this module include

Philips GKV 220-240V 600w 6986P
Philips GKV 230-240V 800w 6982P
Philips GLC 115v 575w 6989P
Philips GLC 115v 750w 6981P

3. 18PACFS1

The Pacific Followspot 1000 is supplied with the following lamp holder module

19PACLM1

The lamp holder module has a GY9.5 lampbase for use with 1000w 115-240v lamps. Lamps suitable for this module include:

Philips 220-240V 1000w 6995 I/BP

Philips 115V 1000w 6995 I/BP

Important Note: *The quoted performance figures are achieved with Philips lamps. Other manufacturers' lamps can be used, but no assumptions should be made as to relative performance.*

Please refer to the instructions of the lamp manufacturer when disposing of failed lamps.

Please refer to the instructions of the lamp manufacturer for hours of usage.

Replacing the lamp and fuse are the only maintenance tasks that can be safely carried out by non-approved personnel. Refer below - Safety & Maintenance note.

MOUNTING YOUR ELECTRONIC BALLAST (for 18PACFSMSRL and 18PACFS80VL models only)

Important Note: *Please refer to the separate instruction manuals for the MSR Electronic Ballast and/or the 80V power system.*

To mount the MSR or 80V Ballast:

1. Remove the two M8 bolts and washers on the rear of the ballast.
2. Attach the M8 bolts through the yoke, and tighten with a suitable tool. *Do not tighten by hand!*

YOKE PIVOT ADJUSTMENT

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

The yoke balance point is factory set on the lens tube for normal applications. To move the yoke, loosen the M8 bolts at the bottom of the pivot point of the yoke on each side of the luminaire. Slide the yoke to the required position, check the yoke is evenly positioned on each side and tighten the M8 bolts.

FOCUSING

The variable beam of your Pacific Followspot is altered by adjusting the front and rear lens in relation to each other. The front lens defines the beam spread, the rear the focus degree of 'softness' or 'hardness' of the beam edge or shutters. Finger tight pressure only is necessary to lock the lens off in their chosen positions.

PAN AND TILT ADJUSTMENT - To pan your luminaire loosen ensure that the stand spigot nut is not tight, then simply point the Followspot in the desired direction.

BLACKOUT IRIS

Your Followspot is fitted with an adjustable iris diaphragm to mask the beam size to the required diameter, and finally black the light out.

IMPORTANT NOTE - Do not leave the Iris closed while the lamp is on. As soon as you have blacked out the light turn / dim the lamp off. Failure to do this will cause the iris to fail due to excessive heat and will void your warranty.

To remove the iris assembly for maintenance or replacement:

1. Remove the Gobo Holder cover plate first (located in front of the iris assembly)
2. Remove the fastening screws on the iris assembly
3. Carefully slide out for maintenance or replacement

GOBO HOLDER

A Gobo Holder can be fitted to your followspot if required. The Gobo Holder (order code 19PACFSGH) takes a standard "A" size gobo. To fit the Gobo Holder accessory:

1. Remove the goboholder cover plate (located in front of the iris assembly)
2. Insert the Gobo Holder and tighten the fastening screws.

COLOUR FRAME

A colour frame is included with your Pacific Followspot. To mount the colour frame, slide it into the guide slots provided on the front of your Pacific Followspot.

COLOUR CHANGER

A 4 colour manual colour changer (Order code 18PACFCCH) is available as an accessory to mount on the front of your Pacific Followspot. As well as the mounting procedure below, it should also be secured to the followspot by means of a safety bond (order code: 20SC). This is attached to the anchor point on the front of the lens tube and the anchor point on the rear of the colour changer. To mount the colour changer on the front of the followspot:

1. Slide the rear colour changer plate onto the front mounting plate of the followspot. Take care to ensure that the colour changer is located correctly on the top mounting guide on the followspot.
2. Lock the colour changer in position by tightening the two thumbscrews mounted on the front of the followspot.

ACCESSORIES

- ❖ 4 Colour changer (Order code 18PACFCCH)
- ❖ Colourframe (Order code 20CFSF2020)
- ❖ Followspot stand (Order code STDFS)
- ❖ Safety chain (Order code 20SC) Gobo Holder (Order code 18PACFSGH)

CLEANING

Open the lens compartment door on the top of the followspot lens tube. Clean the lens with a soft cloth. To remove baked on dust use a window cleaner.

The above are the only maintenance tasks which can be safely carried out by non approved personnel. Refer below – Safety & Maintenance note.

SAFETY & MAINTENANCE

Selecon has manufactured this luminaire in accordance with recognised best practices to recommend international safety standards. It is your responsibility to maintain this luminaire in good & safe working condition.

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

N.B. Luminaire Cable – Your Selecon luminaire is fitted with 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 colour codes: Brown	Phase, live
Blue	Neutral, return
Green/Yellow	Earth

Limited Warranty

Selecon New Zealand Ltd. (“Selecon”) warrants its luminaires against defects in materials or workmanship. The term of this warranty is based on the product usage and is from the date of delivery.

Usage – 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.

Other – ALL Electromechanical / Electronic Devices Term - One Year

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

Correct installation of the luminaire is the owner’s responsibility.

To assert a warranty claim, complete Selecon’s return authorisation form (available from Selecon). Return the luminaire to Selecon or its authorised agent.

If 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 luminaire, both ways. If Selecon does not wish to service, repair or replace the defective luminaire, it shall refund the purchase price.

Selecon’s sole responsibility is to repair, replace or service a luminaire 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 luminaires.

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.

SELECON DISTRIBUTOR NETWORK

Your Selecon distributor is a theatre professional with a broad knowledge and understanding of performance requirements. Most can offer you a full service including not only stage lighting equipment but all your theatre needs including curtains, scenic paint, sound equipment as well as supplies of lamps, filter, gaffer tape, etc.

For details of your nearest dealer go to www.seleconlight.com

MANUFACTURER

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