

# SELECON



## OPERATION MANUAL



This manual covers the following luminaires -

Acclaim Fresnel  
 Acclaim P.C.  
 Acclaim Cyc  
 Acclaim Flood

Acclaim Zoomspot 18 – 34  
 Acclaim Zoomspot Wide 24 – 44  
 Acclaim Condensor 18 – 32  
 Acclaim Condensor Wide 24 –44

THANK YOU FOR PURCHASING A SELECON ACCLAIM LUMINAIRE. WE HAVE DESIGNED THIS LUMINAIRE 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, colour frame & /or the lamp.

This manual will provide you with information to assist you in making maximum use of your luminaire, its maintenance, and care. If you would like further assistance please contact your Selecon dealer or Selecon.

**Caution!**  
*Installation is entirely at your risk. Read this manual from cover to cover before attempting installation. Do not attempt installation unless you are suitably qualified. If you do not understand a point in this manual, don't guess. Don't take short cuts. If in doubt, stop! Contact Selecon or one of its authorized distributors for advice. Don't be afraid to ask for help.*

### Table of contents

Important!.....	2
Safety Warnings .....	2
Using the Selecon Acclaim Range .....	3
Mounting your luminaire .....	3
Lamps .....	3
Operation .....	4
Acclaim Fresnel & P.C. ....	4
Acclaim Zoomspot & Condensor .....	5
Acclaim Cyc & Flood .....	6
Safety and Maintenance .....	7
Limited Warranty .....	8
Spare parts .....	8
Selecon Distributor Network .....	8

## Important!

Read this manual from cover to cover before attempting to install, operate or maintain the luminaires 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. 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 luminaires' performance. Selecon has no control over the customer's unique operating environment. Hence, Selecon makes no representations or warranties concerning the luminaires' 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 authorized 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.

## Safety Warnings



Not for residential use.



CAUTION: Hot Surfaces, avoid contact by persons or materials.

The Acclaim has some hot surfaces. Be careful to avoid burns. We suggest the use of leather gloves when focusing these luminaires.



SAFETY - Mains Power Isolation: The Acclaim range is fitted with a micro-switch that automatically disconnects the mains power when the lamp holder is removed. However, it is also recommended that the luminaire always be electrically isolated from mains power before re-lamping, cleaning or servicing.



CAUTION: Risk of fire - Use with max 650 watt lamp



These luminaires are not suitable for outdoor use. They are rated at IP00

1.0m  
↑ = 90°

The Luminaire should be at least 1.0 metres away from the nearest object it is lighting.

The Acclaim range can be operated only through a range of angles 90° either side of horizontal.

## Using the Selecon Acclaim Range

This manual includes information on the complete Selecon Acclaim range. The General Section covers information pertaining to the complete range, please read this first as it contains important safety information. Specific sections then cover important operational features of the Acclaim range.

## Mounting your luminaire

**A Safety bond MUST always be used when rigging luminaires on bars, ladders, etc. The safety bond is passed through the luminaire lamp-house anchor hole located at the rear of the luminaire and around the bar. This is the only recommended anchor point for the luminaire. Be careful to allow sufficient slack to allow the luminaire to be focused freely.**

The Acclaim Fresnel, PC and Zooms use base down burning position lamps. It is therefore essential to mount the luminaire so the yoke is horizontal and with the lamp base down. Please note also that the maximum tilt angles of the luminaire are 90 either side of horizontal.

### To mount on a theatre standard scaffold pipe

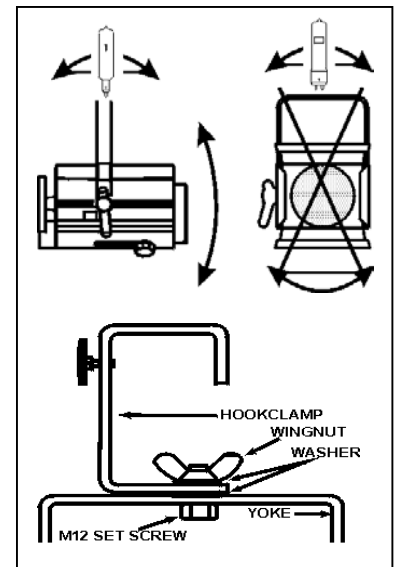
(48mm 1 <sup>29</sup>/<sub>32</sub>" O.D.) Use a theatre hookclamp (Order Code: 20HC). Your luminaire is supplied with an M10 set screw, two washers and a nut. Pass the set screw through the yoke hole from the inside, put on a washer, then the hookclamp, another washer and then tighten the nut.

### To mount on a telescopic stand

Reverse the yoke under the luminaire and bolt the stand's spigot onto the set screw. (Stand Order Code: STDTH)

### Adjustable Yoke

Adjustable yoke – The position of the yoke can be altered to anywhere along the length of the luminaire. To move the yoke, loosen off the T-locking tilt handle and the M8 nylock nut on the opposite side. Slide the yoke to the desired position and tighten the M8 nut and T-handle taking care to check that they are opposite each other.



**\_ 1.0m E : The Luminaire should be at least 1.0 metres away from the nearest object it is lighting.**

**Please note that as the handles and knobs on the Acclaim range can reach high temperatures depending on the position or orientation of the luminaire. Gloves should always be worn when focusing these luminaires.**

## Lamps

### Acclaim Fresnels, PCs, Zoomspots and Condensers - Lamp base / socket – G.Y. 9.5

220 – 240V		120V	
M38	300w, 2000 hrs av. life - display lamp	FRE	650w, 400hrs av. life - theatre lamp.
T/25	500w, 500 hrs av.life - theatre lamp	FRK	650w 200hrs av. life - studio lamp, 3200K
M40	500w, 2000 hrs av. life - display lamp		
CP82	500w, 180 hrs av. life - studio lamp 3200K		
T/26, T/27	650w, 600hrs av. life - theatre lamp		
CP 89	650w, 180hr av. life - studio lamp.3200K		

### IMPORTANT NOTE ON LAMP QUALITY

The quality of the lamp used in Condenser type luminaires is paramount. Lamps of inferior quality can often be seen to have a filament structure or glass envelope, which is not in line with the ceramic lamp base. If such crooked or skew lamps are used in Condenser type luminaires, the rear Condenser lens can sometimes be damaged. The quality of the light beam in any type of luminaire is of course also affected by these skew lamps.

## ACCLAIM CYC & FLOOD RANGE – 2 x R7 Lamp bases. – 118mm / 4 11/16<sup>th</sup> inch

220 – 240V		120V	
K1	500w, 2000hrs av. life.	FDF	500w, 4000hrs av. life – 3200K.
K9	300w, 2000hrs av. life.	FDN	500w, 400hrs av. life – 3200K, frosted.
K11	200w, 2000hrs av. life	EHM	300w, 2000hrs av. life, 2950 K

Isolate electrically before re-lamping the luminaire. Also be aware that the lamp or luminaire may still be hot, so exercise necessary caution to avoid burns.

## Operation

### Acclaim Fresnel & P.C.

#### Lamping Procedure

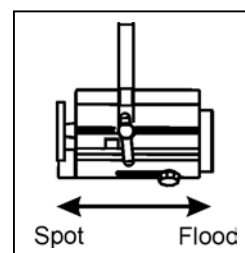
Access to the lamp is by the bottom-hinged door, which is fastened with a side clip. Push the clip to release the door. Use the ejector to remove the failed lamp. Align the pins of the new lamp to the correct holes (they are different sizes) and push the lamp firmly home. Do not touch the quartz envelope of the lamp with your fingers – use the plastic sheath supplied to insert the lamp. Close the door and reconnect the luminaire to the power supply.

#### Focusing your Fresnel & PC

The cone of light is adjusted by first loosening the focus knob on the side of the luminaire and then sliding it towards the front or rear. This moves the lamp and reflector in relation to the lens – forward increases the Beam angle (flood), moving the lamp to the rear narrows the beam angle (Spot).

Take care to move the focus adjustment carefully as the lamp filament is burning white hot and is at its most vulnerable. Don't over-tighten the focus knob finger tight pressure is all that's required.

When focusing, first spot the beam down, position the luminaire and then flood the beam to cover the area required. The beam can then be shaped using the barn doors (Order Code 20BDMF).



#### Pan and Tilt Adjustment

To pan the luminaire, loosen the wingnut and adjust, then retighten. To tilt, loosen the locking clamp handle on the side of the luminaire, tilt and retighten finger tight.

The tilt lock friction is set by the nylock nut that secures the yoke on the opposite side to the tilt handle. The tilt friction can be adjusted by loosening or tightening up the nylock nut.

#### Using the Barndoor

The barndoor attachment fits into the front slot of the colour frame holder. It can be rotated to set the mask angle you require. The barndoor shapes the light beam by masking part of it. It is effective from a medium beam to flood. In spot focus the barndoor acts only to reduce visible glare.



#### Maintenance

Wipe the lens and reflector with a soft rag to remove accumulated dust.

#### Accessories

Suspension Hookclamp (Order Code 20HC).

Safety Chain (Order Code 20SC)

Lens Safety Mesh (Order Code 15ACSM)

Four door rotatable Barndoor (Order Code 20BDMF)

Colour Frame – each luminaire is supplied with a 125mm (4 7/8 inch) square colour filter holder. Additional colour frames are available (Order Code 20CFMF)

## Acclaim Zoomspot & Condensor

### Lamping Procedure

Access to the lamp is by the bottom-hinged door, which is fastened with a side clip. Push the clip to release the door. Use the ejector to remove the failed lamp. Align the pins of the new lamp to the correct holes (they are different sizes) 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. Close the door and reconnect the luminaire to the power supply.

- Point luminaire at blank white wall 4-8 metres (12 – 15 feet) away and focus light to narrow angle – front lens forward rear lens back. To obtain sharp focus adjust rear lens only.
- Adjust lamp peak/flat knob – towards back for flattest field and forward for peaked position. Reconnect the luminaire to the power supply and bring up on the dimmer.

### Focusing your Zoomspot & Condensor

The variable beam of your Zoomspot / Condensor 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 sharpness of the beam edge or shutters. Finger tight pressure is only necessary to lock the lens off in their chose positions.

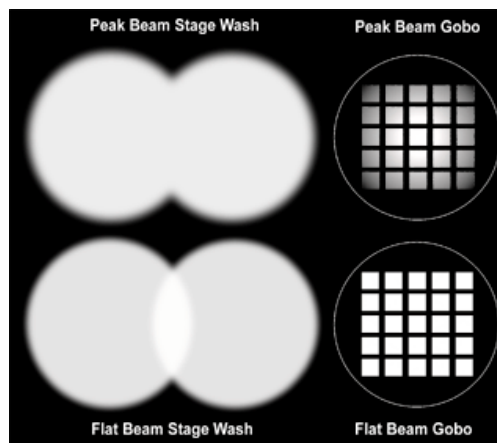
To find the narrow angle of the beam range:

18-34 – move front lens to front of luminaire, adjust rear lens to required focus.

24-44 – move rear lens back to rear of slot. Move front lens to define beam angle (24°), approximately 95mm from front of lens tray.

### Peak/Flat Light Distribution

The lamp position can be altered to peak or flatten the light output of Zoomspots. 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 gobo projection. Take care to move the lamp carefully as the lamp filament is burning hot and at its most vulnerable. Don't over tighten the lamp tray knob, finger tight pressure is all that is required.



### Shutter System

The shutters are used to mask a portion of the beam shaping it, masking light off scenery, curtains, etc. Your Acclaim profile features an off-centre shutter blade system developed by Selecon. The larger section of the unequal blade can be moved significantly around the axis of the beam providing a very wide range of masking angles.

Remember the optical system inverts all images at the gate, i.e. the top shutter on the luminaire masks the bottom part of the light beam.

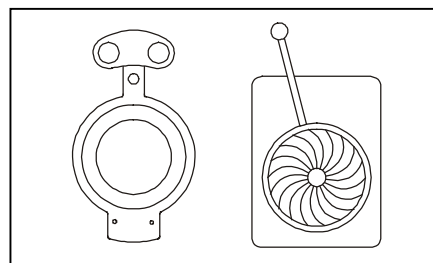
### Pattern Projection

The rotatable pattern holder comprises the holder and a spring clip to hold the pattern flat against the holder. The holder can be rotated in the slot to align the image as required on the stage.

**NOTE:** The Acclaim range uses 'M' size patterns, with an image diameter of 50mm

The accessory mounting slot will also house -

- An adjustable Iris
- A motorised Gobo holder eg: Rosco/ DHA RTR008



To mount the accessory in the aperture slot ensure the pattern spring clip is facing to the front of the luminaire and slide into the slots formed as part of the shutter plates.

**NOTE:-**

**Do not run the luminaire with all the shutters closed, as this may cause the luminaire to over-heat.**

## Interchangeable Lens Trays

The variable lens tray assemblies are interchangeable so you can change a 18-34 luminaire to a 24-44 .

Open the tray, with the tray hanging down, lift up and out to free the hinge.



## Maintenance

Reflector-Wipe with a soft cloth to remove accumulated dust.

Lens-The assembly can be removed out of the luminaire, clean with a soft cloth. To remove baked on dust use a window cleaner.

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

## Accessories

Suspension Hookclamp (Order Code 20HC).

Safety Chain (Order Code 20SC)

Lens Safety Mesh (Order Code 15ACSM)

Rotatable gobo holder (Order Code 15ACGH)

Adjustable Iris (Order Code 15ACIRIS)

Interchangeable lens tray - Standard (Order Code 15ACLTS)

Interchangeable lens tray - Wide (Order Code 15ACLW)

Colour Frame – each luminaire is supplied with a 125mm (4 7/8 inch) square colour filter holder. Additional colour frames are available (Order Code 20CFMF)

## Acclaim Cyc & Flood

### **SAFETY – MAINS POWER ISOLATION**

The Acclaim Cyc and Flood range is fitted with two micro-switches which automatically disconnects the mains power when the safety glass is opened.

## Lamping Procedure

Use only HIGH QUALITY 500w or 300w R7 double-ended linear lamps. Poor quality lamps will result in poor light out put and unsightly shadow lines across the beam.

To re-lamp, Remove the colour cassette from the luminaire by releasing the large spring clamp at the bottom of the cassette. Release the safety glass. With the safety glass in the forward position (the safety glass can also be removed if its position is awkward), carefully remove the old lamp, and replace it with the new one.

Take care not to touch the glass itself as the oil from your fingerprints can cause premature lamp failure. Ensure that both ends of the lamp are secure in the lamp socket. After replacing the lamp, clip the safety glass back into position, and then clip the colour cassette back into place.

WARNING: Take care on opening the safety glass that it does not drop out of the hinge channel in the extrusion. The glass is designed to be easily removable when it is at an angle of about 30 degrees from its original position.

## Focusing

### Pan and Tilt Adjustment

To pan the luminaire, loosen the nut and adjust then retighten. To tilt loosen the locking clamp handle on the side of the luminaire, tilt and retighten finger tight.

The tilt lock friction is set by coin screw that secures the yoke on the opposite side to the handle. The tilt friction can be adjusted by loosening or tightening up the coin screw.

Note to ensure even coverage across the cloth the luminaires must be spaced 1.5m/ 4ft to 2.0m/ 6ft along the bar. The actual spacing depends on the throw distance: Spacing = Throw distance x 0.9

## Colour Filter Holder

The colour filter holder hinges on a channel in the top body extrusion. It closes down and is held in place by a spring clip that locks it against the bottom body extrusion.

Changing the colour filter is best accomplished when the filter holder is in a horizontal position. Remove the spring frame from the holder and use it as a template to cut a colour filter to the exact size (please note that if the colour filter is cut too small it will shrink when hot, and may cause light leak).

Position the colour filter in the colour filter holder, and then position one end of the frame into the holder on top of the filter. Bend the frame, and slip the other end of into the colour holder and release it. The frame should now clamp the 4 edges of the filter.



## Barndoors

Each Selecon Acclaim Flood is supplied with 4 barndoors. They effectively shape the top and bottom of the flood beam but only mask the sides from perceived glare.

Barndoors can be mounted to the Cyc luminaires, either individually or as a four flap set. The order codes are –

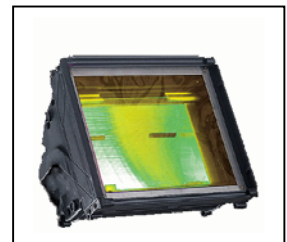
Side barndoor flap & hinge assembly – 15ACFLBDS

Top / bottom flap and hinge - 15 ACFLBDTB

## Groundrow

The Acclaim Cyc is designed to be used as a groundrow to light up backcloths and cycloramas.

Place the luminaire approximately 1.0m / 3 ft in front of the cloth with the safety anchor mounts on the stage floor. These act as feet, allowing for airflow around and under the luminaire.



## Maintenance

1. REFLECTOR: Wipe with a soft cloth to remove accumulated dust.
2. GLASS: The assembly can be removed out of the luminaire, clean with a soft cloth. To remove baked on dust use a window cleaner.

The above are the only maintenance tasks that can be safely carried out by non approved personnel. Refer below – safety & maintenance.

## Accessories

Suspension Hookclamp (Order Code 20HC)

Safety chain (order Code 20SC)

Ceiling Rose (Order Code SA-RB (black) SA-RW (white))

Track Adaptor (Order Code SA-TRAW, SA-TRAB)

Replacement Safety Glass (Order Code SAA-SG)

## Safety and Maintenance

Selecon have manufactured this luminaire in accordance with recognised best practices to recommended international safety standards. It is your responsibility to maintain this luminaire in good and 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 with damaged parts with authorised Selecon spares.

**N.B.** Luminaire cables – 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.

**Usage – Architectural, Display Term - One Year**

Architectural, Display relates to typical usage such as display lighting in a Museum viz:  
10 – 12 hrs per day, seven 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.

## **Spare parts**

Spare parts diagrams of the complete Selecon product range can be found on our web site –  
[www.seleconlight.com](http://www.seleconlight.com)

## **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 lamp, filter, gaffer tape, etc.

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