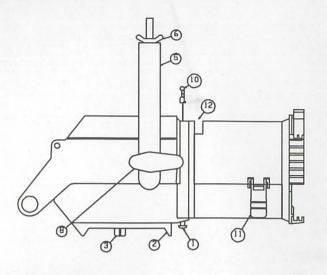
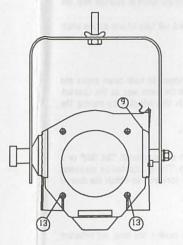
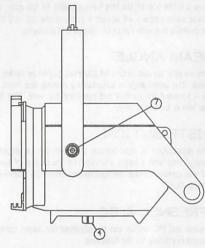
QUARTET RANGE OPERATING INSTRUCTIONS









GENERAL

Your QUARTET spotlight has been designed to conform to the most recent safety standards. The rating label information on the side of the equipment provides the following information:



The figures give the minimum distance from the luminaire to a flammable surface. The top figure is for a surface which is in the light beam and the bottom figure is for a surface nearest the luminaire body.



On your luminaire this symbol will have a number on it. This is the batch number and should be quoted if you have to contact a Strand dealer.

45°-0°-90°

This symbol gives the angle of tilt that the luminaire can be adjusted through, e.g 45 degrees up to 90 degrees down

45°C ta

This symbol gives the maximum operating ambient temperature which the luminaire can be operated in.

GY9.5

This symbol specifies the type of base on the lamps that are suitable for use in this luminaire.

210°C MAX

This symbol gives the maximum surface temperature on the body of the luminaire

CONNECTING TO THE MAINS



The luminaire is fitted with 1.5 m of 0.75mm squired 3 core silicon sheathed flexible cable rated to 180 c operating temperature which should be fitted with a suitable connector such that the luminaire can be easily disconnected from the mains for relamping.

The lamp supplied incorporates an internal fuse but the supply should be protected by a fast acting HBC fuse link to BS 88 or IEC 241 if fed direct from the mains.

WARNING

Before lamping or relamping always disconnect the luminaire from both poles of the power supply.

The quartz envelope of tungsten halogen lamps attains a very high temperature. Allow to cool for at least 5 minutes before attempting to remove a lamp.

Follow the lamp manufactures instructions for handling quartz envelope lamps. In particular do not handle the quartz envelope – use the plastic sheath provided.

For access to the lampholder turn the securing screw (1) and pull the lamptray casting (2) down.

To fit a new lamp, align the unequal diameter pins of the lamp with the appropriate unequal diameters sockets in the lampholder, insert the lamp and push firmly down until the bottom of the ceramic lamp seats upon the flat top of the lampholder. Close the lamptray and turn the security screw to lock it in the closed position.

LAMP FITTING

An RSE 26 650 watt lamp is supplied with the luminaire. The following lamp types can also be used.

used.						
TYPE	WATTS	COLOUR	AVERAGE	ORDER CODE		
		TEMP K	LIFEHRS	220V	240V	
RSE 18	500	3050	500	34 218 20	34 218 10	
RSE 26	650	3050	400	34 231 19	34 231 00	
CP 81	300	3200	150	34 349 30	34 349 49	
CP 82	500	3200	150	34 349 57	34 349 65	
M 38	300		2000	34 350 8T	34 350 71	
M40	500	8 20 tel 10 to	2000	34 350 20	34 350 12	

MOUNTING

The suspension fork (5) is fitted with an M10 bolt, washer and wing nut enabling the luminaire to be suspended or stand mounted by means of mounting accessories.

SUSPENSION MOUNTING

The normal method of suspension is by means of a hook clamp 26 483 07 fitted to the M10 bolt assembly. The hook clamp will then allow suspension from a 48mm OD pipe.

To ensure safe operation and long life of the lamp the suspension fork and bolt should be installed vertically – either above or below the luminaire.

Do not mount on or near a combustible surface. Refer to rating label information for recommended minimum distances from flammable objects.

Luminaires should always be provided with a secondary means of suspension. Quartet is provided with an attachment point for the clip of a safety chain 26 064 18.

The luminaire can also be suspended by fitting direct to a boom bracket 26 255 07 for vertical pipe fitting or wall bracket for 2 small spotlights 26 238 09.

STAND MOUNTING

For stand mounting the fork must be reversed to the underside of the luminaire. (On the profile spots the fork should be disconnected by unscrewing the tilt lock knob (8) and the M8 dome nut (7). The fork should then be removed and repositioned below the luminaire. The knob and dome nut should then be refitted and secured.)

The fork should then be fitted with either 12/19mm spigot 26 873 08 in place of the wing nut. 29mm TV spigot and nut 26 869 03 in place of the M10 bolt and wing. The luminaire can then be fitted to the socket of a suitable stand.

ADJUSTMENT

Having followed instructions for mounting, the tilt of the luminaire can be adjusted by slackening the handwheel (8) on the side of the fork and adjusting to any angle within the range specified on the rating label. The handwheel should then be tightened to lock the luminaire in position.

Pan or swivel adjustment is acheived by slackening the M10 wing nut (6), rotating to the required position and then retightining the wing nut.

PROFILE SPOTS

Before lighting up, ensure beam shaping shutters (10) are in an open position.

FOCUS

To focus on gate or shutters the single lens of Quartet 25 can be adjusted by hinging up the clamp knob (11) on the lens tube and sliding the lens carrier backwards or forwards to adjust either a hard or soft focus. The clamp knob is then hinged back to it's home position to lock the lens in position.

Once focused the shutter knobs can be moved to adjust the beam shape.

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For narrower beam angles an iris 23 400 01 diaphragm is available which is inserted into the runners in the top of the lens tube adjacent to the gate (12).

These same runners will accept a gobo holder 23 400 02 which will take M size gobos which are available in a wide range of shapes and patterns.

BEAM ANGLE

The variable spread optics of Quartet 22/40 provides adjustment to both beam angles and focus. The beam angle is adjusted by moving the front lens in the same way as the Quartet 25 – forward for narrow and rearward for wide. The focus is then adjusted by moving the rear lens in the same way.

DISTRIBUTION

The distribution of light across the beam can be adjusted to give a smooth "flat field" or a "peaky" field with a higher intensity to the centre of the beam. This is adjusted by slackening off and gently moving the adjustment knob (3) backward or forwards to obtain the desired distribution.

FRESNEL & PC

Fresnel and PC spots can be adjusted for beam spread by moving the lamp and reflector assembly relative to the fixed lens.

This is achieved by slackening off the adjustment knob (4) and gently moving the knob forwards for wide angle and rearwards for narrow angle. The knob should then be tightened to retain the selected setting.

Soft edge masking of the beam can be achieved by using a barndoor (optional accessory 23 400 03). The barndoor fits into the colour runners (9) and should be secured using the screw provided. Each of the four leaves can be hinged individually. For further flexability the barndoor leaves can be rotated.

COLOUR FRAME

Quartet is supplied with a fibre board colour frame 27 400 01 but can be fitted with a metal color frame 27 260 03.

COLOUR WHEEL

Quartet can be fitted with a 5 colour change wheel 23 868 40. Ensure colour wheel is secured with screw provided before operating.

MAINTENANCE

Lens and reflector cleaning on the F & PC is done by lowering the lamptray for access and wiping the lens and reflector with a dry clean cloth.

On the profile spots reflector cleaning is done in the same way as the F & PC. To gain access to the lens(es) the bottom lens tube cover has to be removed. This is done by removing the bottom securing screws (13) and pulling down the lens tude cover to remove. The lens(es) may now be cleaned with a dry clean cloth. Ensure that the cover is refitted correctly and that the two fixing screws are secured.

A routine inspection of the lampholder and all wiring should be done and any part(s) that look damaged should be replaced before further use.

All Strand luminaires & accessories are designed to conform to the latest international safety standards. Use only genuine Strand accessories and spares.

SPARES

A full range of packaged spares is available for the Quartet range. Refer to the Strand spares book for details.

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