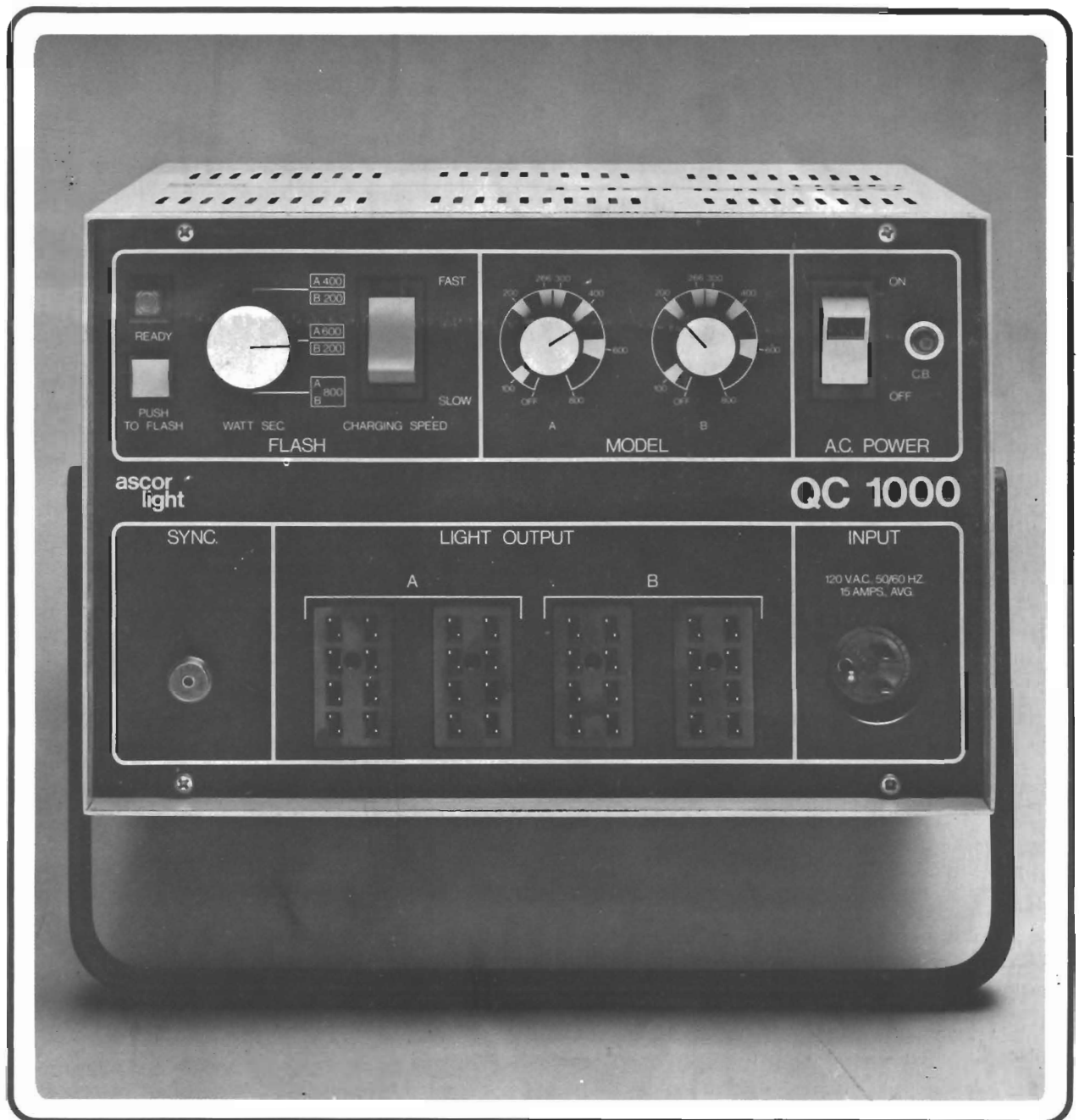


ascorlight QC 1000

Electronic Flash System

Instruction Manual



Introduction

Congratulations on your selection of the new Ascortlight QC-1000 lighting system. We welcome you to the large family of satisfied Ascor owners.

We realize that satisfied customers are one of our most valuable assets, and potentially our best salesmen. Therefore, we have prepared this manual to assist you in getting the most out of the advantages built into your new Ascortlight QC-1000 lighting system.

It is difficult, in a manual of this type, to include information about all lighting applications. If you require further information, or have suggestions, we invite you to write to us. Together, through an active exchange of ideas, we can all learn to use today's equipment more effectively, and plan for tomorrow's equipment.

Please fill in and mail the registration and warranty card immediately.

Please Note: Ascor is dedicated to a policy of continuous product improvement. Therefore, specifications are subject to change without notice.

Sincerely,
Customer Services
Ascor Division
Berkey Marketing Companies
Woodside, NY 11377

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Unpacking

1. Inspect packing containers for any apparent transit damage.
2. Carefully remove the different components and assemblies from the packaging containers.
3. Do not discard packaging until each item is accounted for. You may want to save it for future shipping purposes.
4. All equipment is carefully packed at the factory. If damaged in transit, keep all material and file a claim with the carrier without delay.
5. Please fill in and mail the registration and warranty card immediately.

Warning

To prevent fire or shock hazard, do not expose this equipment to rain or moisture

General Information

The Ascortlight QC-1000 represents the state of the art in studio electronic flash. Built-in power ratio control for both flash and modeling lights, digital logic circuitry and advanced solid state components provide the high performance and duty cycle necessary for high volume commercial, industrial and portrait photography.

The QC-1000 is an 800 watt second power supply which is versatile and convenient to use. Clean control panel layout and numerous safety features make for ease of operation. The highest quality electronic components and simplified construction techniques enhance reliability.

Integral ratio control allows the power (watt seconds) to be divided equally or unequally. 1:1, 2:1, and 3:1 light ratios are switch selectable. Separate dimmer controls enable the

modeling lamps to be set in exact proportion to the flash output.

Recycle times are amazingly fast. 100% full power is reached in just one second. Motor drive cameras with capabilities of up to four frames per second can be used on lower power settings. The 100% ready light helps prevent underexposures.

Fast and slow (1 sec. and 4 seconds respectively) charging speeds are useful for location work where available power can be as low as 5 amps.

The QC-1000 is compatible and completely interchangeable with all QC-8 light units and accessories, including the universal light unit, fresnel spotlight, and 15" striplight.

Important Features

QC-1000 Power Supply

- Power supply utilizes solid state circuitry with automatic voltage regulation for uniformity of exposure and color temperature regardless of fluctuations in the incoming line voltage.
- Isolated, low voltage trigger circuit eliminates shock hazard and damage to delicate shutter contacts.
- Ready light indicates 100% of capacitor charge for uniformity of exposures.
- The plug-in printed circuit board makes servicing simple and minimizes down time.
- Circuit breaker system for the main input power line eliminates troublesome fuse changing.
- Symmetrical or asymmetrical light distribution. The full 800 watt seconds may be put on a single light without any external adapter.
- 1, 2, 3, or 4 light operation with a wide range of lighting ratios available at the turn of a switch. No accessory power plugs are required.
- Dual 500 watt capacity voltage stabilized dimmers to adjust modeling lamps to match flash output.
- Fast recycling, 1 second to 100% light output on full power.
- Two recycle rates allow use in areas where power is limited.
- Continuous duty. Operation at maximum power and flash rate for 1000 flashes without overheating.
- No chance of arcing at light unit and power supply connections if a light is connected or disconnected with the power supply on.
- Compatible with all QC-8 light units and accessories.

Universal Light Unit

- Heavy duty, forced-air cooled light unit with modular design.
- The unit can be used with a variety of reflectors and lamps, plus built-in umbrella mount.
- Heavy duty cable for continuous operation.
- Plug-in quartz, heavy duty, color corrected flash tubes with short flash duration.
- Bayonet base modeling lamps with the following options:
 - 250 watt quartz halogen lamp (standard)
 - 150 watt quartz halogen lamp
 - 100 watt incandescent lamp
 - 50 watt incandescent lamp
- Modeling light on/off switch for individual light unit control.
- High purity aluminum reflectors designed to give best efficiency and light distribution.
- Modeling light with the same light distribution pattern as the flash.

Fresnel Spotlight

- Adjustable 5" spotlight for commercial and industrial photography.
- Variable focusing. Features adjustable 5" Fresnel lens which permits excellent control from tight spot to flood for crisp edge lighting, dramatic backlighting and accenting texture.
- Modeling light with 150 watt quartz lamp.
- Forced-air cooling for heavy duty applications.
- Heavy duty, color corrected, plug-in flash tube for reliable operation.
- Heavy duty cable for continuous operation.
- Modeling light on/off switch for individual light unit control.

Striplight

- Compact light weight striplight for easy handling and positioning.
- Modeling light consisting of two separate lamps which could be one pair of the following:
 - 150 watt quartz halogen, 100 and 50 watt incandescent
- Modeling light on/off switch for individual light unit control.
- Heavy duty cable for continuous application.

Stand Mounting Bracket and Caster Base

- For in-studio use, a stand mounting bracket and telescoping tube are available to mount a light unit directly to the power supply. Additional lights can be mounted on separate stands.
- A caster base is available for the QC-1000 Power Supply which allows ease of movement within the studio, especially when used with one light mounted to the power supply. High quality ball casters ensure smooth, even movement.



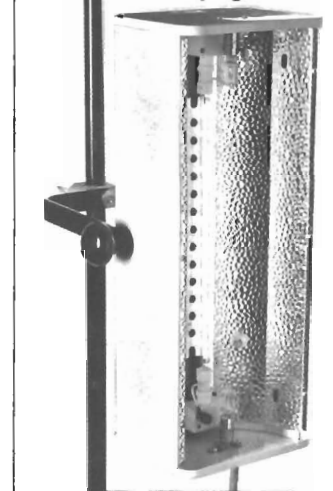
Universal Light Unit



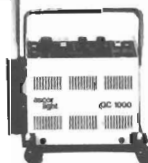
Fresnel Spotlight



Striplight



QC-1000 Stand Mounting Bracket and Caster Base



Preparation

Power Supply

The QC-1000 power supply comes complete with power cord and sync cord. The power cord is a standard 3 prong heavy duty cord. Longer replacements or lengths are usually available from local sources. The sync cord has a standard microphone connector on one end and a standard female parallel blade on the other. A camera sync cord male parallel blade to PC tip is required to complete the camera connection.

Attaching Stand Mounting Bracket and Telescoping Tube to Power Supply [when supplied]

Locate the stand mounting bracket and the hardware supplied.

Refer to Figure 1 and use circular bushing on the top as shown between the bracket and the power supply. Fasten with the No. 8 - 32 x 3/4" screws supplied.

In the same manner, mount the second bushing at the bottom.

Tighten both screws.

Slide the telescoping tube into the stand mounting bracket. It should rest on the lower mounting screw.

Tighten the thumb screw at the bottom of the bracket to prevent rotation of the telescoping tube.

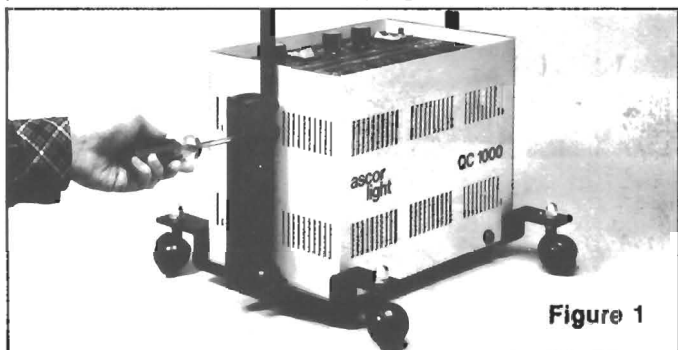


Figure 1

Attaching Caster Base

Locate the caster base and mounting hardware. The casters are mounted on two separate base assemblies with two mounting holes in each base.

Align the two mounting holes in each caster base with the holes in each base of the power supply. Note that the caster bases extend outward beyond the edge of the power supply for additional stability and protection.

Fasten the bases with the No. 8 self-tapping 3/4" screws supplied. Figure 2.

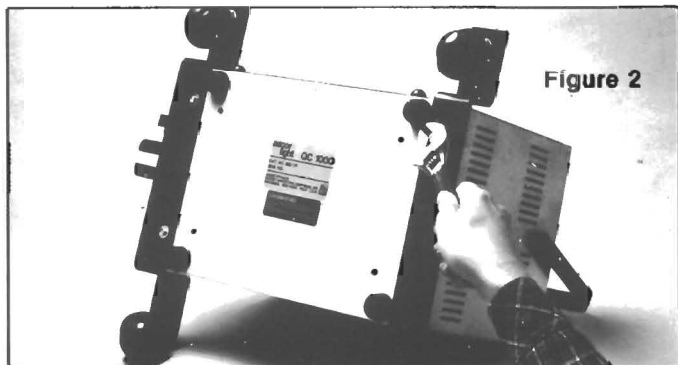


Figure 2

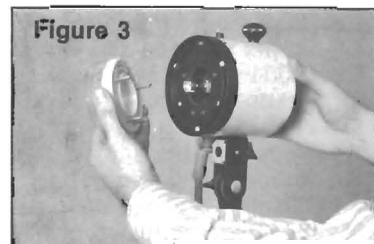
QC-1000 Light Units

CAUTION: HANDLE LAMPS WITH CARE! Always disconnect light head cord from power supply before removing or replacing lamp. Allow lamp to cool before handling. Because lamps can break if put under stress, always handle them cautiously and gently. Use gloves to prevent injury if glass should break. Some lamps have keyed pins; make certain pins are aligned against socket before attempting to insert lamps.

Universal Light

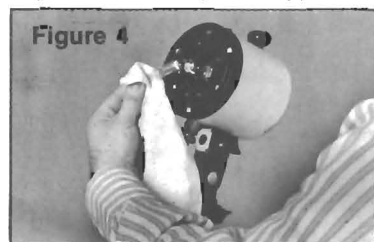
a) Installing Flash Tube

The circular quartz flashtube is a plug-in type. Simply position it in the light unit (the pins are keyed) and push it in until it fits flush with the face of the light unit. Care must be taken not to break the glass shield. It is advisable to use heavy gloves or a piece of cardboard to protect your hand. (Figure 3).



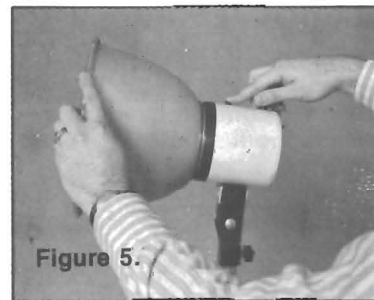
b) Installing Modeling Lamp

The quartz modeling lamp is of the bayonet type and twists into the modeling lamp socket. Do not touch the glass surface with your bare hand. Use a piece of paper to handle the lamp when inserting it in the light. (Figure 4.)



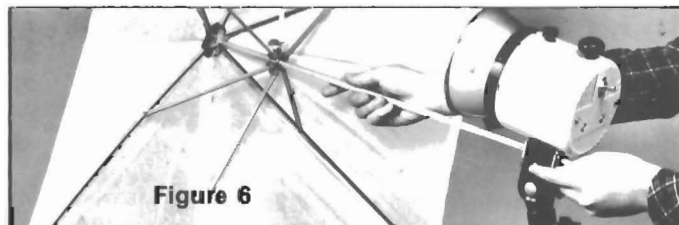
c) Attaching Reflectors

To attach the bayonet mount reflectors, align the three slots of the reflector with the three round retainers in the light as shown in Figure 5. Put the reflector, with the slots aligned, into the groove in the front of the light. Rotate the reflector in either direction 1/6 turn until it locks. To remove a reflector, push down on the button located on top of the light toward the front edge as shown in Figure. Only slight pressure is required to release the lock. Pushing down too far may make rotation of the reflector difficult. Turn the reflector 1/6 turn in either direction until the slots align and the reflector can be removed.



d) Installing Umbrellas

Umbrellas can be mounted directly to the universal light as follows: Loosen the small knob directly under the light unit as shown in Figure 6. Insert the shaft of the umbrella into the holes of the built-in bracket directly under the light and tighten the small knob onto the umbrella shaft.



Installing Flashtube and Modeling Lamps in Spotlight

To install the flashtube and modeling lamp in the fresnel spotlight the top cover must first be removed. The top cover is secured by four small phillips head screws. Once these screws are taken out, the top cover is lifted off to expose the flashtube and modeling lamp sockets. The flashtube is plugged into its socket first. It is keyed and will only fit in one way. The modeling lamp is then inserted through the center of the flashtube and twisted into its bayonet mount. As with the universal light do not touch the surface of the modeling lamp. (Figures 7 & 8).

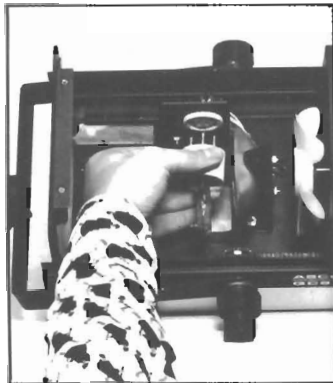


Figure 7

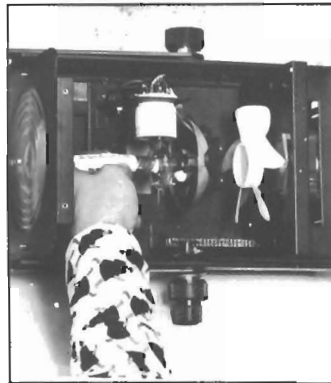


Figure 8

Installing Flashtube and Modeling Lamps in Striplight

1. Align the flashtube so that the small trigger wire is at the end of the light where the trigger is located. (Figure 9).
2. Insert the flashtube into the housing by putting one of the ceramic end caps into the corresponding spring loaded ceramic receptacle and pushing until the second end cap clears the second receptacle. Gently release the flashtube into the second receptacle. See Figure 10.
3. Remove the small outer nut on the trigger post and attach the lug from the end of the trigger wire. See Figure 11.
4. Remove the two thumb screws on the large terminal blocks and attach the two flashtube leads.
5. Insert the modeling lamps by pushing the bayonet mount into the socket and turning clockwise until they lock.

Flashtube Alignment

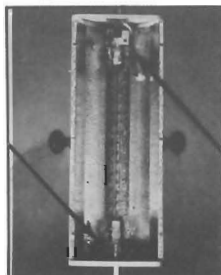


Figure 9

Insertion of Flashtube into Ceramic Receptacle



Figure 10

Attaching Trigger Wire

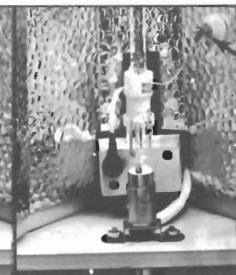


Figure 11

Operation of Power Supply

The QC-1000 is easy to operate and the control panel is clearly marked with all switch and socket functions:

1. Put both the AC power switch and the modeling light dimmer switches to their "OFF" positions.
2. Plug the light unit connectors in the desired light output sockets.
3. Connect the microphone connector (the part with the locking ring) of the sync cable to the sync outlet (lower left) and tighten the outside ring. Connect the other end of the cable to the camera sync cord.
4. Plug the socket of the power cord into the power supply input receptacle, and push it firmly into place. Connect the plug to a 120 VAC 50 or 60 Hz. power outlet. The outlet should have a standard 15 amp or higher rating.
5. Put the AC power switch in the "ON" position, and notice the following:
The blower in the light unit will go on.
The ready light lamp will come on after approximately 1 second, indicating that the unit is charged and ready to flash.
6. Push the Ready/ Push to Flash button, and test the operation of the unit.
7. For maximum component life it is recommended that the power supply be turned off and discharged before selecting fast or slow on the charging speed switch.



Operating Procedure for Watt-Second Ratio Control Switch

The watt second selector switch of the the QC-1000 offers a numerous selection of power ratios.

On switch positions one and two, the power is assymmetrically divided into two separate channels, A and B. On position three, the channels are combined and the power is equally divided between whatever number of light units are plugged in. The point to remember is that on

positions one and two, you have, in effect, two separate power supplies. One light unit plugged into a particular channel will use the full power available through that channel. A second light plugged into the same channel will divide the power available in that channel by half. The total power available through either channel A or B is determined by the watt second selector switch.

Power Selector Chart for QC-1000 Power Supply

POWER SELECTOR SWITCH SETTING		NUMBER OF LIGHTS PER CHANNEL	CHANNEL A		CHANNEL B	
			WATT SECONDS PER LIGHT		WATT SECONDS PER LIGHT	
Position One	2 Separate Channels (Asymmetrical)	one	400		200	
		two	200	200	100	100
Position Two	2 Separate Channels (Asymmetrical)	one	600		200	
		two	300	300	100	100
Position Three	Combined Channels (Symmetrical)	one	800			
		two	400 each			
		three	266 each			
		four	200 each			

Operating Procedure for Modeling Lamp Dimmers

The QC-1000 modeling light dimmers enable the modeling lamps in the light units to be adjusted so that they are in exact proportion with the flash output selected on the QC-1000 power supply. This is accomplished by simply setting the calibrated dials on the dimmers to match the level set on the power supply watt second selector switch.

When using the dimmers set the dials to match the power chosen by the watt second selector switch on the pack for the individual outlets. For example, the power selector switch is set to position two (A600 B200) with one head plugged into Channel A and two heads plugged into Channel B. 600 watt seconds will go into Channel A s set

that dimmer to 600. Each outlet on Channel B is receiving 100 watt seconds (200 watt seconds divided by two lights) so set that dimmer unit to 100.

Setting the dimmers to match the power into each individual outlet is the easiest method especially when using 3 lights or multiple packs.

When using one pack with an equal number of lights plugged into Channel A and B the dimmers can be set for the power going into each **channel**. This provides maximum brightness of the modeling lamps, and keeps them in exact ratio to the flash output.

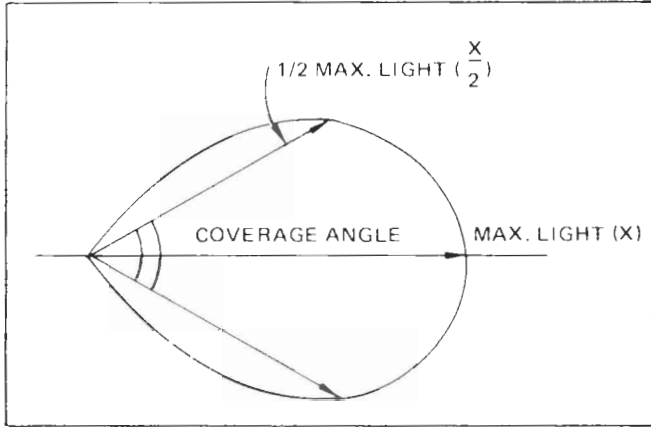
Charging Speed

The rate that the capacitor storage bank is brought up to operating voltage can be controlled by the charging speed switch. On fast charge the power supply will draw 15 amps and recycle to 100% full power in one second. By

switching to slow charge, recycle time is increased to 4 seconds but current draw is a very low 5 amps, an advantage when working on location where power may be limited.

Light Output Data

The light output on all ASCORLIGHT QC-1000 Lighting Systems is of daylight quality. When referring to ASA ratings and exposure indexes of films, the daylight ratings must be used. It is recommended that the Beam Candle Power Seconds/Angle of Coverage (BCPS/Deg) be used as a measurement of the amount of light output from an electronic flash unit and the particular type of flash reflector employed. This rating provides a more realistic measurement of light output than does the watt-second rating of the Power Supply.



Typical light output coverage from flash tube/reflector combination.

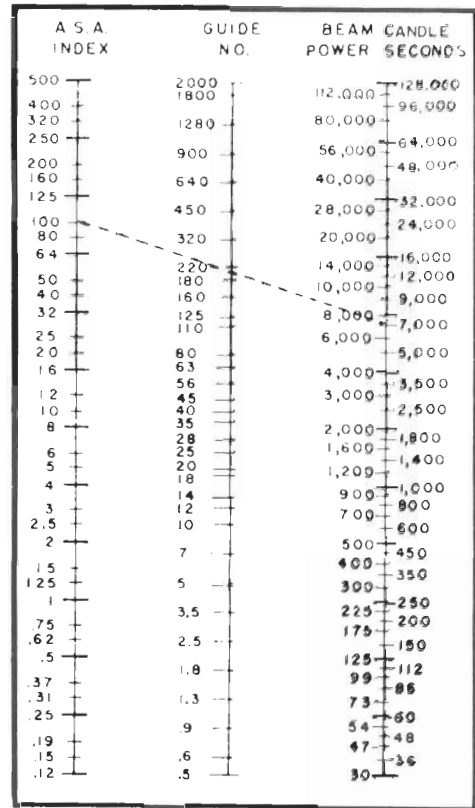


Figure 12 Guide Number Nomograph

Determine the ASA number and the effective light output of your light (BCPS). See Figure 12. Lay a ruler or any straight edge on these two points and read the guide number at the point that the ruler crosses the center line. As an example: if you use a color film with an EI of 100 and a unit with 7,500 Beam Candle Power Seconds, the ruler would cross the center line at 200. A guide number of 200 would be proper. The dotted line shows this example.

Since the QC-8 lights can be used for various applications with different reflectors, different light outputs and angles

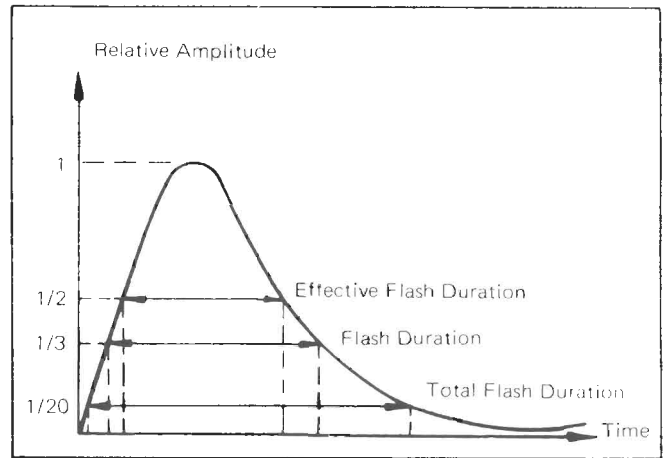
of coverage will result from a given power input to the light. The following table will give you light output and angle of coverage for the various combinations with the universal light. The amount of power being delivered to the light can be determined from the power selector chart which follows.

NOTE: Since the light reaching the subject when using a bare bulb is affected to a large degree on reflective surfaces, the use of a flash meter is suggested.

Reflector Used	100 W-S	200 W-S	266 W-S	300 W-S	400 W-S	600 W-S	800 W-S
16" 70°	2500	5000	6666	7500	10,000	15,000	20,000
10" 55°	3750	7500	10,000	11,225	15,000	22,500	30,000
5" 160° With 42" White Umbrella	1000	2000	2660	3000	4000	6000	8000

Flash Duration

The old method of measuring flash duration of a flash unit was to measure the time between the one-third points of peak light intensity. This method has been further broken down into two classifications, Effective Flash Duration and Total Flash Duration. The method for determining the values is the same. The only difference is that Effective Flash Duration is measured from the 1/2 or .5 point of peak light intensity and the Total Flash Duration is measured from the 1/20 or .05 point of peak light intensity. Effective Flash Duration is usable for exposure purposes, but total flash duration should be used to determine the relative stopping action of the flash as compared to a mechanical shutter. All three methods of flash duration measurement were made with the QC-1000 and the results appear in the table below along with an explanatory diagram of flash duration measurements.



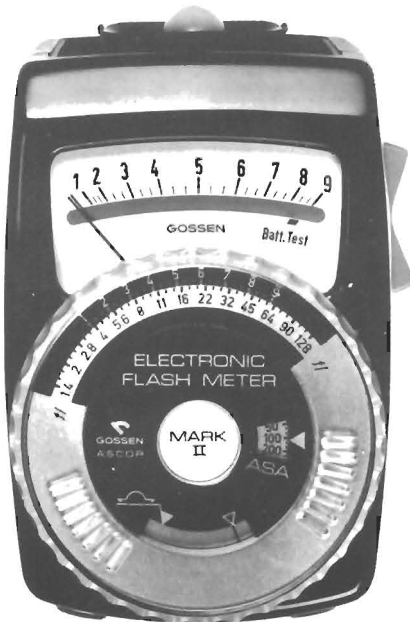
Flash duration.

(Fractions of a Second)

Method of Measurement	100 W-S	200 W-S	300 W-S	400 W-S	600 W-S	800 W-s
EFFECTIVE FLASH DURATION 1/2 POINT	1/2800	1/2200	1/1700	1/1400	1/1300	1/1200
TOTAL FLASH DURATION 1/20 POINT	1/800	1/700	1/500	1/450	1/400	1/330
OLD METHOD OF MEASUREMENT 1/3 POINT	1/2000	1/1700	1/1300	1/1100	1/900	1/800

Use of an Electronic Flash Meter

The use of an electronic flash meter can greatly simplify exposure determination, especially when using multiple lights or indirect lighting. A good flash meter will give you a direct reading in f/stop for the type of film and particular lighting set-up used, eliminating guesswork.



GOSSEN-ASCOR AUTOMATIC ELECTRONIC FLASH METER

An exceptionally versatile and accurate electronic flash meter is the Gossen-Ascort Mark II electronic flash meter. It is all solid state, battery operated, and requires no direct connection to the power supply. Incandescent and other continuous light sources do not affect the reading. This feature is especially important with today's high intensity quartz-halogen modeling lamps.

The GOSSEN solid state electronic flash meter provides the professional photographer with an exceptional combination of advanced features for fast and accurate flash exposure determination.

The meter is cordless: it starts measuring automatically within 1/1,000,000th sec (one microsecond) at the threshold of the flash.

Its wide measuring range is spread over a single broad scale, thus eliminating the need for test measurements or circuit switching even when unknown flash intensities are used.

Most important to creative photographers, the Gossen-Ascort Mark II meter can compute the cumulative light output of entire series of successive flashes used for "painting with light" and similar special applications.

Designed and manufactured by GOSSEN, the meter is completely self-contained, weighs only 9 oz. and fits the palm for convenient one-hand operation.

The operation of the Gossen-Ascor meter is extremely simple and positive. The two-position toggle switch is pressed backwards to cancel any previous measurement. Held (or tripod-mounted) at the subject position, the meter needle deflects at the instant of the flash and remains locked at the measured value. The adjacent computer dial indicates the exact f/stop for correct exposure. The computer ring is adjustable for ASA film speeds from 6 to 6400; the f/stop scale is calibrated for all spots from f/1.4 to f/128 with 1/3 stop increments.

The solid-state circuitry (pat. appl. for) includes a silicon sensor which opens the measuring circuit automatically within one microsecond by means of a transistorized triggering circuit. A color-corrected photo transistor within a hemispheric diffuser integrates the light of the flash and the ambient light in a transistorized integrating circuit. The resultant reading can be read critically and without parallax error as the needle image is reflected in an underlying mirror surface.

Individual flash measurements can be made in quick succession by pressing the toggle switch after each measurement, returning a new measuring cycle. However, if uninterrupted, the instrument remains in measuring condition for a three-minute period during which successive flashes are automatically added to the result of an initial flash reading. After three minutes, the instrument switches itself off automatically to preserve battery life. With normal use, the Eveready No. 504 battery lasts for several thousand readings. A built-in battery testing circuit is operated by pressing the switch forward.

Its compactness, fast operation and adaptability to cumulative flash measurement make the Gossen-Ascor meter ideally suited for the active studio employing electronic flash.

The meter is supplied in a protective storage case, complete with an adjustable neck strap. It is available at better camera stores.

Care and Maintenance of the Equipment

Although the ASCORLIGHT QC-1000 is a ruggedly built electronic assembly, it should be handled with the same care given any piece of quality equipment. To be assured of maximum, dependable service, the photographer should observe the following precautions:

1. Avoid bending the cables sharply. Too sharp a bend can break the wire in the cable.
2. If cable becomes frayed or connectors damaged, have them repaired immediately.
3. Keep all connectors free of dust, moisture, and corrosion.
4. DON'T insert a screwdriver or other metal object into the power supply case, flashtube socket, or power outlet. Contact with high voltage may result.

5. DON'T attempt to open or make repairs to ASCORLIGHT units if you are not familiar with electronic equipment. Your dealer should be consulted regarding our Authorized Service Station in your area.
6. DON'T place a hand or objects near any part inside the power supply case until you are certain that the capacitor bank is fully discharged.
7. Remember all ASCORLIGHT equipment is designed to be SAFE when used in accordance with instructions.
8. When not actually using your ASCORLIGHT equipment, it is advisable to turn it "OFF"

General Service Instructions

Trouble	Possible Cause
1. The unit does not trigger from the camera, but triggers from the "Push to Flash."	<ol style="list-style-type: none"> 1. Camera shutter contacts bad. 2. Sync cord bad. 3. Sync cord connections bad.
2. The unit does not trigger from the camera, or from "Push to Flash" button.	<ol style="list-style-type: none"> 1. Reverse the sync connection to the camera and try again. 2. Remove the sync cord and push the push to flash button. If no flash occurs, one of the following is bad: <ol style="list-style-type: none"> a) flash tube b) trigger coil - in the light c) trigger circuit in power supply on circuit board.
3. The modeling light stays off with modeling control on. AC on-lamp is lighted. Ready light is on.	<ol style="list-style-type: none"> 1. Check the modeling lamp. 2. If the lamp is still off, then power supply should be repaired.
4. AC on-lamp is lighted, but no ready light.	<ol style="list-style-type: none"> 1. Push the "Push to Flash" button. If the unit flashes, ready light circuit could be defective.
5. Power cord is connected, AC on-lamp is off. No modeling light.	<ol style="list-style-type: none"> 1. Check power cord connection. 2. Check the fuse of the circuit breaker of the wall outlet.
6. Modeling light is on. AC on-lamp does not light.	<ol style="list-style-type: none"> 1. Reset the 25A circuit breaker by pushing it down.

Accessories and Replacement Items

Flashtubes and Lamps

Flashtube, quartz, circular plug-in type. Up to 2400 w.s. extra duty for continuous use with the QC-8 power supply (Replacement)

15" Linear Flashtube for 061-271 striplight (Replacement)

Quartz flashtube for 061-272 spot-light (Replacement)

Modeling lamp, quartz-halogen, 250 watt, 3000°K, rated 2000 hr. life. Double contact bayonet base, for 061-270 light unit only. **DO NOT** use a replacement for the older bayonet lamps (Replacement)

150 Watt Quartz-Halogen Modeling Lamp for 061-271 striplight and 061-272 spotlight. (Replacement)

Flashtube cover. Protects flashtube and modeling lamp during transportation.

Mountings

Telescoping tube assembly for mounting light unit to power supply, 3/4" top. Requires 061-570 mounting bracket (below).

Stand mounting bracket for attaching 061-901 telescoping stand post to QC-1000 power supply.

Reducer bushing, 3/4" to 1/2" for adapting QC-8 light for use on 1/2" stands.

Four light bracket, allows four QC-8 light heads to be used with a 72" umbrella.

Caster Base

A sturdy base with four swivel casters which, when added to any of the QC-1000 outfits, permits effortless positioning and moving of light systems in the studio or on any hard surface.

Reflectors and Barndoors

These reflectors are easily interchangeable via the bayonet mount located in the Universal Light Head.

5"/160° Reflector with bayonet mount

5"/120° Reflector with bayonet mount

10"/55° Reflector with bayonet mount

16"/70° Reflector with bayonet mount.

Spotlight Snoot including mounting kit.

10" Diffuser

10" Barndoor, 2 wing for use with 10" reflector

16" Diffuser

16" Barndoor, 2 wing for use with 16" reflector.

Cables and Cords

A.C. Power Cord, 9', (Standard 3-wire grounded), male and female molded connectors for QC-1000 power supply (Replacement)

Extension Cable, 20' for QC-1000 power supply to light.

Adapter Cable, 8 pin female to QC-1000 male. To adapt older 600 series light units to QC-1000 power supply. NOTE: The older light units used in the 600 series will NOT withstand the full duty cycle of the QC-1000 power supply when used at maximum rate. The old light units can be used on an intermittent basis only. If continuous duty cycle is needed, use the QC-8 (061-270) light unit.

Photo Slave

Photo Slave for QC-1000 power supply, connects to sync cord.

Stands

Folding backlight stand, 16" to 46" height, 1/2" top.

Counterbalanced extension boom, 3 section, 3/4" stud.

Folding stand, 34" to 116" height, 1/2" top.

Caster stand, 41" to 138" height, 3/4" top.

Umbrellas

32" White Hex

32" Silver Hex

42" White Hex

42" Silver Hex

52" White Hex

52" Silver Hex

72" White Hex

72" Silver Hex

See current QC-1000 price lists for catalog numbers and prices.

Ascorlight QC-1000 Specifications

Maximum Stored Energy:

800 Watt Seconds

Weight:

24 pounds

High Voltage Level:

820V DC

Regulation of High Voltage

$\pm 1/2\%$ For Line Voltage

Variations 105 - 130 VAC

Duty Cycle:

Continuous Duty at Maximum

Recycle Rate for 1000 flashes

Power Distribution:

Switch Selectable Ratios of 1:1, 2:1, 3:1

Modeling Light Ratio Control

Dual 500 Watt Dimmers with ON/OFF Control and Voltage Stabilization.

Ready Light:

100%

Recycle Time to 100%

[With 120 VAC Line Voltage]

Fast Charge

Full Power — One Second (15 amp draw)

Slow Charge

Full Power — Four Seconds (5 amp draw)

Typical Guide Number [ASA 100 Film]

450 with 800 W.S. into 10" 55° Reflector

ASCOR 41944
QC 1000

CAT NO. 062-171

SER NO 832693

Turn unit on Power surge
charges but when fired tube
keeps firing

Prices and Specifications subject to change without notice.

477A5577
9-183-0406 Issue 1

ASCOR DIVISION
BERKEY MARKETING COMPANIES

25-20 Brooklyn-Queens Expwy West, Woodside, NY 11377 • 1011 Chestnut St., Burbank, CA 91506



Printed in U.S.A.