

K 5600[®]

L I G H T I N G



Photo : Jean Poisson

English



K5600 lighting was founded in 1992 to develop and produce versatile HMI lighting systems. Ever since that date, the company has been concentrating on bringing real innovations to the world of HMI lighting. Research, Development and Service are prime concerns within the company based in California and France.

K5600 is a small company with a passion for lighting and images. There are no endless corporate meetings to delay decisions but a dedication to offer good production tools. K5600 principles are participating at every show to meet end users at international exhibitions such as NAB, Cinegear, IBC, Cinec, Photokina, Camerimage and a lot of national shows throughout the world. K5600 Lighting manufactures equipment according to today's challenges of production : tight budgets, small crews, limited production time... Surely, great masterpieces have been made without K5600

lights but with more time and effort. K5600 only makes things easier and quicker. Before K5600 Lighting, there was no bare bulb fixtures, no HMI kits, no 800 W HMI fixtures, no 200,400,800 W extension cables, no Softubes, no lights pointing straight down, no HMI in a Source 4, no 625 mm Fresnel 18K unit weighing less than 60 Kg... Only 8 lights produced over the past 20 years but so many accessories to cover every needs in every situations. Thanks to this policy of a concise range, K5600 keeps an inventory of finish products and spare parts at all times.

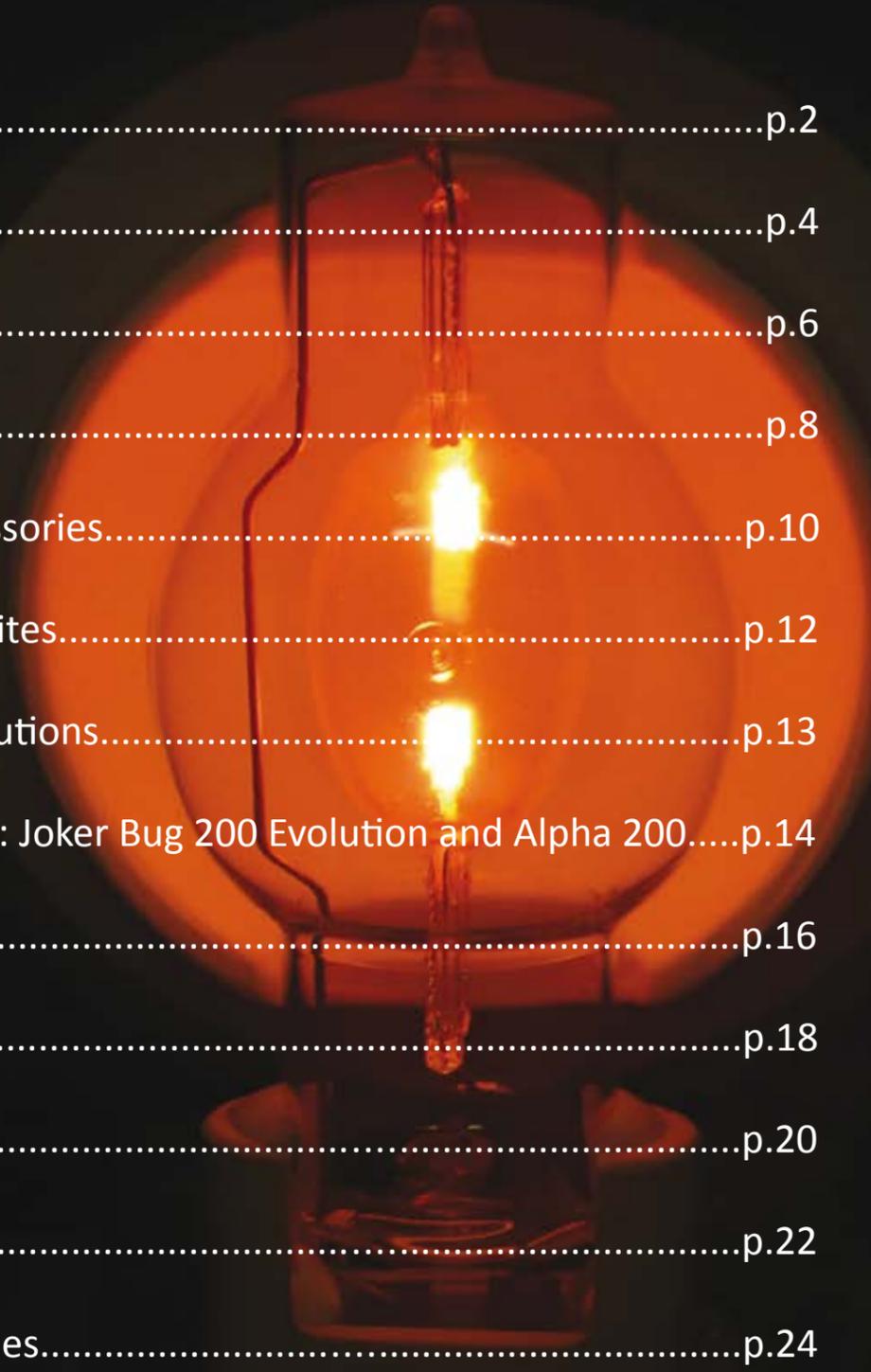
IMPORTANT DATES

- September 1992 : Birth of K5600 with the JOKER 200 and the JOKER 400
- August 1995 : Introduction of the BUG 200. FIRST 360° HMI unit ever produced.
- April 1996 : Introduction of the JOKER BUG concept with the 200 W. FIRST versatile HMI.
- April 1997 : Introduction of the JOKER BUG 400.
- September 1999 : Introduction of the JOKER BUG 800. FIRST 800 W HMI unit designed around a UV block bulb requested by K5600.
- June 2000 : Introduction of the SOFTUBE. FIRST accessory to change the beam of a PAR into a linear source.
- July 2001 : Introduction of the BUG A BEAM ADAPTER : FIRST accessory designed to adapt a 400 W HMI unit onto an existing Tungsten profile light.
- May 2002 : Introduction of the ALPHA 4 KW. FIRST AND MOST SHALLOW Fresnel to offer an "open eye" option.
- June 2006 : Introduction of the ALPHA 18K. LIGHTEST 18 KW Fresnel weighing less than 55 Kg and FIRST 18K to offer the possibility to be used pointing straight down. Featuring THE MOST reflective material ever used in lighting applications.
- September 2007 : Introduction of the ALPHA 4 V2. LIGHTEST AND MOST SHALLOW 4K HMI with the LARGEST 350 mm lens used on a 4 KW Fresnel.
- April 2008 : Introduction of the MULTIBUG, the FIRST system allowing to place up to 4 Bug-Lites in a Lightbank. Introduction of the BUG A BEAM FOR THE 800 W. The famous Jo Leko has come to a brighter level.
- September 2008 : Introduction of the TUNGSTEN BUG-LITE 1 or 2 KW.
- December 2008 : Introduction of the SPACEBEAM for the Alpha 4K. Accessory allowing to turn the Alpha 4K in the first 4KW HMI SPACELIGHT or into a BEAM PROJECTOR.
- April 2009 : Introduction of the FOCAL SPOT. An accessory to turn a 200 or a 400 into a small profile light.
- April 2010 : Introduction of the CROSS OVER ADAPTER. FIRST ADAPTER to help still photographers to use their flash light shapers with our range of Joker Bug up to 800 W.
- September 2010 : Introduction of the ALPHA 1600. A downsized version of the popular 18 KW and 4 KW Alphas with a 250 mm lens.
- April 2011 : Introduction of the JOKER BUG 1600 with two options : Regular Par beamer or Zoom beamer (focusable segmented reflector).
- April 2013 : Introduction of the ALPHA 200 and SOFTUBE 1600
- September 2013 : Introduction of the ALPHA 9K and the 800 W Zoom Beamer



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JOKER BUG SYSTEM

The Joker Bug system has been introduced in 1996 with the Joker Bug 200. It was shortly followed by the 400. The 800 W came later as a result of a K5600 request to SLI for a UV coated bulb to be used in the Bug-Lite mode. The 1600 W is the latest addition to the range. A vocabulary was created to define some tools that did not exist before. Here are a few words that probably need some explanations :

What is a Joker ?

The Joker was the first light K5600 manufactured in 1992. It existed in 200 or 400 W version. They were the first HMI kits available on the market. The name came from the idea of the "wild card" that can replace any other card.

What is a Bug-Lite ?

The Bug-Lite was introduced in 1995 with a Bug 200 W. The idea was simple : producing a light source that could be quickly and easily fitted to different optical accessories. The expanding use of Steadicam called for a need of lightweight daylight units that could be moved around along with the talents and the moving camera. A Bug-Lite in a lantern on a boom was a good answer. The name Bug was inspired by the miniature microphones used for spying.

What is a Beamer ?

The Joker Bug was the obvious evolution of these two ranges of lights into one. The machined aluminum part that holds the PAR reflector is what we call the Beamer. There are 3 different Beamers : The PAR Beamer requiring 4 lenses to achieve different angles and patterns (maximum raw light, ideal for bouncing and reaching out far distance), the News Beamer (200 and 400 only) offers a quick focusing from 16° to 45° without the need of lenses for ENG purpose, the Zoom Beamer which is a lens-less focusable Beamer which gives 15 to 60 degrees of even light output. With its physical similarities to a faceted umbrella, the soft finish beautifully distributes light. The ZOOM Beamer reflector was specifically engineered around the radiant image of our new 1600 W lamp, providing for the best and most efficient performance possible.

What is a Softube ?

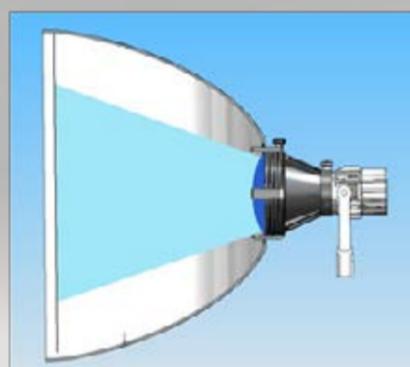
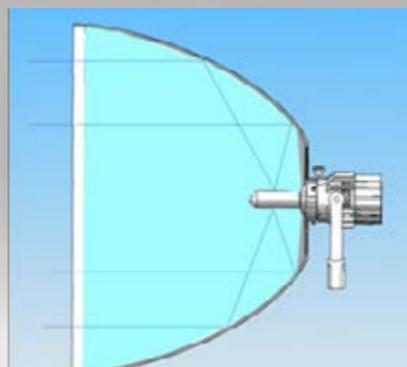
The Softube was originally introduced by K5600 in 2000. It consists of multiple layers of clear gel rolled up in a tube shape. On one end is the attachment that will fit the desired Joker Bug and a mirror at an angle on the other end reflects the light alongside the tube.

What is a Jo Leko ?

In 1933, Joseph Levy and Edward Kook founders of Century Lighting (a theatre lighting company), created the first ERS (Elipsoidal Reflector Spotlight). By combining the first two letters of their own last names, they called the unit a "Leko". The most common ERS unit today is ETC's Source 4. K5600 made the Bug A Beam which is an adapter to fit a 400 W or an 800 W (in Bug configuration) in a Source 4 to turn it into a greater output daylight balanced HMI "Jo Leko".

Why is a Bug-Lite more efficient inside a lightbank ?

Lightbanks were designed for the still photography world. Flashes are bare bulb fixtures and they use the silver (or white) material inside the lightbank to bounce the largest amount of light in the most even way. This is achieved by the shape of the lightbank itself which is a parabolic reflector. Therefore, when a Bug-Lite is replacing the flash head, the effect is similar and the performance of the lightbank optimized as explained by the drawing below.



JOKER BUG 200



Utilizing 4 PAR 36 lenses (Frosted Fresnel, Super-Wide, Wide Flood and Medium Flood), the Joker Bug 200 can achieve beam spreads from 5° to 65°. Its compact size, high output (comparable to a 1K quartz), low power draw (only 1 Amps !), and daylight 5600K color temperature has made this system the standard for feature films, television shows, documentaries, interviews and reality TV for two decades.



Head size with beamer : 21,5 x 19 x 15 cm
 Head weight with beamer : 1,650 Kg
 Kit size : 49 x 34 x 22 cm
 Kit weight : 13,4 Kg
 Electrical consumption : 1 Amps @ 230 V
 Accessory diameter : 125 mm
 Speedring ref : BUG : 9780 AL or OP
 JOKER : 9640



Kit Joker Bug 200 includes :

- 1 head 200 + bulb + clear globe
- 1 electronic ballast 200 W 90/265 V
- 1 set of 4 lenses
- 1 frosted globe
- 1 barndoor
- 1 extension cable 7,50 m
- 1 fly case

JOKER BUG 400



The Joker Bug 400 offers a very similar output to a 575 with 30% less electrical consumption and sensible reduction in size and weight. The Joker Bug 400 has found its way on the equipment list of many professionals through out the world. It is the perfect little light for all types of jobs : documentaries, corporate films, TV series and shows and feature films.



"I am travelling a lot. For my work on documentaries and corporate films and photos I was looking for a compact lighting system. With Joker Bugs I can easily switch from the softbox to a powerful PAR fixture. Using the Source 4 with the bug-a-beam adapter for controlled bounce lighting or effects is great. The products of K5600 have been inspiring my way of lighting, giving me new possibilities and fast solutions"
Markus Stoffel, BVK, Germany

Head size with beamer : 25 x 27 x 18 cm
 Head weight with beamer : 1,7 Kg
 Kit size : 60,5 x 30,5 x 28 cm
 Kit weight : 16,8 Kg
 Electrical consumption : 1,9 Amps @230 V
 Accessory diameter : 165 mm
 Speedring ref : BUG : 9780 AL or OP
 JOKER : 9670 AL

Kit Joker Bug 400 includes :

- 1 head 400 + bulb + clear globe
- 1 electronic ballast 400 W 90/265 V
- 1 set of 4 lenses
- 1 frosted globe
- 1 barndoor
- 1 extension cable 7,50 m
- 1 fly case



JOKER BUG 800



An 800W UV-Block lamp was designed at K5600 Lighting's request. The UV coating prevents the dispersion of harmful UV allowing the use of perforated safety globes. The Joker Bug 800 wattage was chosen to complete a range with a logical one stop increase between each model. In a lightbank the 800 W Bug-Lite gives more output and a better spread than a regular PAR 1200 W.

Head size with beamer : 31 x 33 x 21 cm
 Head weight with beamer : 2,8 Kg
 Kit size : 58,5 x 39 x 39 cm
 Kit weight : 22 Kg
 Electrical consumption : 3,7 Amps @ 230 V
 Accessory diameter : 197 mm
 Speedring ref : BUG : 9780AL or OP
 JOKER : 9190



NEW 800W ZOOM BEAMER



Kit Joker Bug 800 includes :

- 1 head 800 + bulb + clear globe + safety wire
- 1 electronic ballast 800W 90/265 V
- 1 set of 4 lenses
- 1 frosted globe + safety wire
- 1 barndoor
- 1 extension cable 7,50 m
- 1 fly case



"The key word for me with these products is versatility. With the Jokers I could have a head in a Chimera pancake softbox providing a soft, overhead key. Another could be in a Source 4 profile spot giving an extremely controllable gobo projection on some background. Another could be in one of the superb Softube adaptors (I find the Softubes exceptionally useful ; their size makes them perfect for hiding in locations whilst providing a lovely quality of light. They also don't look too unnatural if you catch them in reflections). Another could be direct through the beamer reflector or with one of the par lenses. And with seven kits on the truck and a couple of each of the adaptors there were very few situations in which Mel Hayward the gaffer and I didn't have the perfect tool to hand."
 Ed Moore, DP, UK

JOKER BUG 1600



The 1600 W is the newest of the Joker generation of daylight fixtures. At 1600 W, the Joker 1600 is comparable to over 6000 W of quartz fixture output and produces one full stop more than our Joker 800.



The 1600 Bug-Lite has no optics. Its bare-bulb output is optimal for use in lightbanks and lanterns, creating perfectly even distribution within such accessories whatever the size (from Small to Large) and shape (Rectangular, Octapuls, Strips...). The fact that the bulb is inside the diffusion tool eliminates hot spots and maximizes output. It can be used pointing straight down. There is no other lighting fixture on the market as versatile and user friendly than the Bug Lite 1600.

The Joker Bug 1600 is the new addition to the well-known Joker Bug range. It features a specular reflector and a set of 4 traditional PAR 64 lenses – Medium, Wide, Super-Wide and a Frosted Fresnel. These lenses provide varying light patterns from 5 to 45 degrees and a maximum output due to the reflector design (Parabolic reflector) and finish. By removing the Beamer and quickly adding the protection beaker, the JB 1600 becomes a Bug-Lite for all these great applications in lightbanks and lanterns. The Joker Bug 1600 just gained in versatility with the new Softube 1600.



The Joker 1600 ZOOM Beamer is revolutionary. This lensless focusable Beamer gives 15 to 60 degrees of even light output. With its physical similarities to a faceted umbrella, the soft finish beautifully distributes light across your subject. The ZOOM Beamer reflector was specifically engineered around the radiant image of our new 1600 W lamp, providing for the best and most efficient performance possible.

The ballast of the 1600 is PFC and draws 7,4 Amp @230 V. It is dimmable, and has selectable frequency options for extreme High Speed shooting (300 Hz and 1000 Hz).

Kit Joker Bug 1600 includes :

- 1 head 1600 + bulb + clear globe + safety wire
- 1 electronic ballast 1600 W 90/265 V
- 1 set of 4 lenses
- 1 frosted globe + safety wire
- 1 barndoor
- 1 extension cable 7,50 m
- 1 fly case



NEW SOFTUBE 1600

Comments from our first user : "Thank you for letting me try your Softube 1600 prototype. It is a fantastic tool which will be on my future lists!"

Gérard Simon A.F.C., France



Head size with beamer : 47 x 36 x 36 cm
 Head weight with beamer : 7,2 Kg
 Kit size : 59 x 47 x 37 cm
 Kit weight : 31,6 Kg
 Electrical consumption :
 7,4 Amps @ 230 V / 16 Amps @ 110 V Auto Select
 Accessory diameter : 230 mm
 Speedring ref : BUG : 9780AL or OP
 JOKER : 9180

JOKER BUG ACCESSORIES



BIG EYE

The BIG-EYE Joker accessory will turn any Joker Bug system into a Giant Focusable Fresnel Beauty light. This 18K style (625 mm diameter) polymer Fresnel lens will deliver : when you need a bigger, harder source as a front, but you do not want the source to be too small and therefore too harsh. Adapted to higher sensitivities of new advanced shooting methods, instruments such as the K5600 Big-Eye bring proven lighting techniques to today's sets as well as advanced tools of creativity for the future.

BUG A BEAM

Directly a consequence of the success of the Bug A Beam 400, the Bug A Beam 800 is already a preferred tools of many. With twice the output and an even better light quality, the Source Four aficionados have found an answer to many tricky situations where nothing else can do the job. Unlike the 400, the 800 W Bug A Beam is a complete system including the rear part of the 750 Source Four on which the glass reflector has to be machined to let the bulb through it.



MULTIBUG

The Multibug allows to mount up to 4 units into a Video Pro Chimera Lightbank or an Octaplus. Quickly set up and using a maximum of 4 x Joker Bug 800 W, it is a perfect tool to provide a powerful and yet soft light source in a minimum of space especially when used with the SHALLOW VIDEOPRO. A Shallow Large is only 57 cm deep for a front diffusion of 1,80 x 1,35 m.

CROSSOVER ADAPTER

Motion requires continuous light, and digital loves daylight. Our 200, 400 & 800 W Jokers deliver flicker-free daylight to capture both still and video without re-lighting. Bug-Lite look and perform just like flash heads. Add the Crossover Adapter to your Joker Bug and fit it into the light shapers you've been using for years.



SOFTUBE

The Softube is an accessory which can be mounted on the Joker Bug 200, 400, 800 and 1600 PAR configuration (with the Beamer). The Softube changes the narrow concentrated beam of the PAR without lens, into a linear soft light source. The Softube is the ultimate accessory in tight spots, behind columns, over windows and in vehicles. It adds lights without generating shadow giving a very natural look to the scene.

NEW 1600 SOFTUBE



FOCAL SPOT

The Focal Spot gives your current Joker Bug 200 or 400, immediate projection capabilities. Made from machined aluminium, the compact (less than 25 cm in length) and lightweight (less than 1 Kg) Focal Spot can adapt any Joker Bug 200 or 400 by simply removing the optical beamer with the twist of a thumb screw. No further assembly or disassembly of your Joker Bug is required to achieve a multitude of projection lighting effects. M size gobos are required.

LIGHTBANKS AND LANTERNS

When using a lightbank there is no light more efficient than the Bug-Lite (Joker Bug with no Beamer). Get more output and better screen coverage with no hotspots. Lightbanks were designed for the still photography world. Flashes are bare bulb fixtures and they use the silver (or white) material inside the lightbank to bounce the largest amount of light in the most even way.

The 200, 400, 800 and 1600 use the same speedring : 9780 AL or OP (for use with the Octaplus).



BEAMERS



BEAMER PAR

The PAR configuration is popular for its ratio spot /flood (from 80 to 1). It is compact, easy to use and very punchy. Focussing is achieved by the mean of 4 different lenses.



Set of 4 lenses included in 200, 400, 800 and 1600 Joker Bug kits.

NEWS BEAMER

The Joker-News system was specifically designed for the fast pace and quick set ups of News coverage. Without the need for lenses, the diffused parabolic reflector can be instantly focused from 16° to 45° spreads.



How did we end up doing two tungsten lights when we call ourselves K5600 ? Well, we just had so many requests for a 3200 K Bug-Lite that we confidentially made some for gaffer and DP friends.



BUG-LITE 2K

We modified an 800 and fitted a larger beaker to take the heat of a 2K bulb. There was some safety issues with existing bare bulb type fixtures and the E40 socket allowed only double envelop bulbs which were noisy when dimmed. Soon we got more and more demands for the Bug 2K and it eventually became a product. It found its way on the lists particularly in Octaplus and lanterns for night shots.



BUG-LITE 650 W

The Bug 650 happened because of the Big Eye. The beauty of a small light source behind a large Fresnel has definitely attracted a lot of interest. After a few shows with the frequently asked question : "What if we want to have tungsten that we can dim for beauty shots ?" and to avoid random, dangerous tests such as using a redhead (don't laugh, it's been mentioned) we decided to turn a 400 Bug-Lite into an incandescent 650 W to fulfill the need for this particular situation.



ELECTRONIC FLICKER FREE, HI-SPEED BALLASTS



Resulting from a long relationship with Powergems, we designed a series of dedicated ballasts for our units up to 1600 W. Benefiting from the latest low frequency technology, the ballasts are smaller, run cooler, allow operation between 90 V to 265 V.

Besides the regular Flicker Free mode, all ballasts have a 300 Hz and 1000 Hz Hi-Speed mode. They run very quietly in all positions and all weather conditions. The Power Factor Correction is very effective with a minimal loss. It is possible to run

two 1600 W on a 15 Amp plug. The 200, 400 and 800 ballasts have the same socket so extension cables are interchangeable. All dedicated K5600 ballasts are lightweight and reliable. They are easy and quick to maintain thanks to the power modules which are easy to replace.

DC SYSTEMS

There are different options to run your Joker Bugs on the go. We have selected some reliable possibilities. Running a 200, 400 or 800 can be achieved easily on either a 30 V system with NiMH batteries and a DC ballast or 12 V truck batteries with an inverter. The 30 V systems we offer are made by battery specialist's Cinepower.

Depending on the needs, there are 2 different systems:

- The 400/200 W battery set, consisting of a Super Silver Charger, a 15 Amp battery (belt, pack, or curved weighing 8 Kg) and a 400/200 DC ballast (1,5 Kg). This option would run a 400 for up to 50 minutes or a 200 for 1h40.
- The 800/400 W battery set, consisting of a Mega Charger, a 30 Amp battery pack (16 Kg) and an 800/400 DC ballast (2,5 Kg). This option would run an 800 for up to 50 minutes or a 400 for 1h40.

The system is very sophisticated. The charger does more than just charging but it analyzes every element and levels them up before charging them all simultaneously. There is an overload and download protection to always use the elements at their most efficient operating range. This is what makes the durability of the cells which are usually trouble free for 3 to 4 years. The unique technology allows fast charge without any damage to the cells. A 15 Amp is about 3 hours and 5 hours for a 30 Amp.



The 12 or 24 V truck batteries are a cheaper alternative but less practical as it involves long charging time and poor efficiency of the lead acid batteries. This system is a power station, not a portable solution. K5600 selected a few inverters ranging from 150 W to 2 KW. All pure sinus wave to allow the connection of the most delicate tools (video monitors...)

NEW JOKER 200 EVOLUTION

The SAMPLE KIT: it is time people get a chance to try the Alpha and the Joker Bug range in one kit at a very competitive price. For the past 20 years, K5600 has acquired a reputation for bringing different, innovative lighting systems. K5600 is a company with a Vision. We believe that a light should be versatile and easy to use. Reliability is paramount in a world of constant changes and technology progress. The Evolution Kit is a good starter kit to cover almost any situations with a choice of accessories for both lights.

MAKE YOUR OWN KIT OF 2

K5600 version of a Par is a Joker Bug : a bare bulb type fixture which can be used with a Par reflector amongst other accessories for multiple possibilities. The Joker Bug is the symbol of the versatility that K5600 has been known for. Perfect within lightbanks and lanterns for softness, it becomes a punchy hard shadow light with the Source 4 adapter, a Focal Spot or a Par beamer...



Why the Joker Bug 200 Evolution ? The difference between this one and the existing Joker Bug 200 is the fact that this program uses a different bulb. The LCL 200 W bulb made by SLI is slightly longer than the regular single-ended 200W MSR. Why change then? Because this bulb comes in two different color temperatures: 5600K and 3200K. They are both discharge lamps and feature a high lumen per watt ratio providing 4 times more light output than a tungsten bulb.

Pictures not contractual

Joker Bug 200 Evolution system:

- Bug head: Light source
- Light beamer: Lightweight Par beamer
- Extension Cable
- Barndoor
- Set of 4 lenses

Accessories :

- Snapbag for Bug: a pop up lightbank made by DOP Choice.
- Lanterns: Chimera, Springballs...
- Softube 200
- Big Eye
- Crossover adapters for Flash

NEW ALPHA 200

Being Green : There are many talks about being "green" and caring about the planet and how LEDs or Plasma are the ideal technology when it comes to energy saving. There is a very scientific way of evaluating the energy saving of a fixture, it is called efficacy. In a black sphere where the light source is in the center, sensors capture the amount of lumens emitted by the source without any optical artifacts such as reflectors or lenses. Then, the amount of lumens is divided by the amount of watts used. A tungsten bulb is between 15 and 25 lumen per watt, a Xenon light is 50, a HMI is 90 to 100 lumen/w. A LED with a good CRI (good light spectrum) is 70 lm/w. Basically HMI is still the most energy saving technology for image capturing.

K5600 version of a Fresnel is an Alpha : again with versatility as a priority, K5600 designed a Fresnel which is much more than a Fresnel. The Fresnel lens is removable offering the option of very wide even beam with hard shadows. Fresnel instruments are best known for the light quality and a precise control of the beam. The best way to give soul and character to a scene is the light direction rendered by shadows.



Pictures not contractual

Alpha 200 system :

- Alpha Head
- Ballast
- Fresnel Lens
- Extension cable
- Barndoor

Accessories :

- Snapbag: a pop up lightbank made by DOP Choice.
- Focal Spot : A quick and easy attachment to turn the Alpha into a profile light for precise cut. The system comes with a 40° and a 60° lens.

ALPHA 1600



Thanks to the quartz composite reflector and the G22 lamp base of the 1600 W bulb, the Alpha 1600 is a compact and amazingly lightweight Fresnel unit. No compromise on the quality of light has been made : the Alpha 1600 uses a 250 mm Fresnel lens (commonly used on 2 500 W), the G22 socket allows for a wider angle as the bulb reaches closer to the Fresnel. Without lens, the Alpha produces a very even beam of 85° which makes it ideal to cover large areas and Chroma Key. The unique texture of the quartz reflector gives a very natural light effect with a very high reflection index of 97%.



Like all K5600 fixtures, the Alpha 1600 can be used pointing straight down for unlimited period of time without damaging the unit or creating safety issues. In real life, the light usually comes from above and the ability to recreate this situation is a very unique and appreciable asset. The Alpha 1600 is suitable for 16 mm and 28 mm stands.

Dimensions : 56 x 39 x 29 cm
 Weight without lens : 9,7 Kg
 Weight with lens : 11,2 Kg
 Kit size : 59 x 47 x 37 cm
 Kit weight : 31 Kg
 Electrical consumption :
 7,4 Amps @ 230 V / 16 Amps @ 110 V Auto Select
 Lens diameter : 250 mm
 Accessory diameter : 270 mm
 Speedring ref : 9235
 K5600 ring for special Shallow Video Pro

Kit Alpha 1600 includes :

- 1 head Alpha 1600 + bulb
- 1 electronic ballast 1600 W 90/265 V
- 1 fresnel lens
- 1 barndoor
- 1 extension cable
- 1 fly case



Alpha 1600 on a camera car for a feature film



Shooting an Air France commercial in a 777

ALPHA 4K



The Alpha 4K's concept is to create a more compact and lighter fixture with interchangeable Fresnel lenses, giving the end user more options than just flood and spot. This new approach of the Fresnel concept reduces the depth by more than 30% compared to traditional Fresnel fixtures. Optically, this product offers great versatility from Open Eye (85°) for extra wide beam with a single hard shadow to precisely controlled Fresnel from 6° to 70° using the two different Fresnel lenses : Spot and Flood.



Changing from 4K to 2,5K is easy and done in seconds. With its wide variety of beam angle, the Alpha 4K is capable of replacing, with better performance, any open face and Fresnel and in some configuration a PAR. A new material is used for the reflector. This material is a composite of Quartz, which resists high temperatures (1200° C), allowing the unit to be used pointing straight down without damaging any component. Even though this material is white, its performance is higher by 10 % than the regular aluminium reflector.

Dimensions : 53 x 58 x 36 cm
 Weight without lens : 20,4 Kg
 Weight with lens : 23,6 Kg
 Electrical consumption :
 4K : 20 Amps @ 240 V / 2,5K : 14 Amps @ 240 V
 Lens diameter : 350 mm
 Accessory diameter : 410 mm
 Speedring Chimera ref : 9365
 K5600 ring for special Shallow and Octaplus



The cause



The effect





The 9 Kw wattage is a new addition to the range of Alphas. The high ISO provided by the sensors of today's HD cameras has definitely changed the lighting lists. Even though 18Ks will always be useful when it comes to counter balance the sun shadow, the "big" lights are scaling down. We do now with a 4K what we used to do with a 12K and a 9K will probably replace an 18K in a lot of instances.

K5600 Lighting chose a 450 mm Fresnel lens for its optical features allowing a 10° to 60° clean controllable beam. As the rest of the Alpha family, the lens is removable to create an 80° (half angle) even beam for hard shadows and perfect for Chroma key. Using the same Quartz reflector as the Alpha 18, Alpha 4 and 1600, the Alpha 9K can be used pointing straight down.

Dimensions : H 765 x L 450 x W 650 mm
 Weight with bulb without lens : 34 Kg
 Weight with bulb and lens : 39.5 Kg
 Lens diameter : 450 mm



THE BALLAST



The Ballast : obviously it makes a difference in the size of the head but moreover on the ballast. The compact 9 Kw ballast weighs only 24,8 Kg and can be easily moved around. Not only this ballast can fire up your 2,5 K, 4K, 6K and 9K, it also runs at 100 Hz, 300 Hz and even a 1000 Hz. Above 4 Kw, the frequency of the ballast has to be tuned as the flicker would settle for a while and can vary quickly. While the competition is requesting a fine tuning from the crew as they watch the oscilloscope, this unit has an Auto scan function which corrects automatically the frequency to ensure stable shoot at any speed.



Dimensions : L 465 x W 260 x H 310 mm
 Weight : 24.8 Kg
 Electrical consumption : 42 A @ 230 V for 9 Kw,
 28 A @ 230 V for 6 Kw

An extremely lightweight and compact "Open Eye" HMI fixture with Drop-in FRESNEL, the Alpha 18K is the shallowest, lightest with the widest spread 18KW Fresnel on the market. Optically, it offers great versatility from Open Eye for wide beams and single hard shadows to precisely controlled Fresnel allowing natural looking Barndoorcuts. The 18K offers two options : the 625 mm Fresnel lens or a UV protection clear glass. The unit itself is 30% more compact and lighter than existing 18K Fresnels.

Dimensions : 82 x 98 x 58 cm
 Weight without lens : 50,4 Kg
 Weight with lens : 62 Kg
 Electrical consumption :
 18K : 83 Amps @ 240 V / 12K : 60 Amps @ 240 V
 Lens diameter : 625 mm
 Accessory diameter : 735 mm
 Speedring ref : 9464



The cause



The effect



The cause



The effect



*«The client wanted a sunlit garden exterior and there was no option of either shooting abroad or for a studio build. The realistic solution was a pair of Alpha 18K which I knew I could take to the top of a 5-stage Stratosafe. Carefully flagging the spread from both units, double shadows were avoided and using half CTS I was able to achieve a believable sunlight effect over the scene. The Alpha 18Ks were the perfect tools for the job, on budget»
 David Procter, DP, UK*

SPACEBEAM

Versatility has always been part of the process of designing lights at K5600 Lighting. Naturally when we started the Alpha range, we felt that we needed to pursue in that direction. The Alpha just by itself is already 2 lights in one : a better Fresnel and a unique open face with an even 85° beam. The Spacebeam is an accessory which serves two purposes. It will turn the Alpha 4K into a beam projector or a spacelight.



SPECIAL SHALLOW LIGHTBANKS FOR ALPHAS

Working jointly with Chimera, K5600 is delivering specific lightbanks for the Alphas 1600 and 4K. Because the Alpha has such a wide even spread, it is possible to use a shallow lightbank to evenly cover the front diffusion at a shorter distance. The result is a very shallow powerful soft light which can be used pointing straight down.

Quartz L
+ regular speedring
1.40 m

Video Pro Shallow L
+ K5600 ring
0.90 m



Alpha 4K special Octaplus + K5600 Octaplus Ring



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Sign up on our website to receive our monthly Newsletter!

K5600 is publishing a 4 page newsletter on a regular basis. Every new issue is on the front page of our website but all previous Newsletters are still available in the "Download" section. The Newsletter is really fed with end users testimonials and pictures from all over the world. Whether it's on a feature, a commercial, a corporate film, a music video, a documentary or a still photo shoot, we will gladly publish it. This Newsletter is mainly about you and about how you use our equipment and why. It works also as a liaison bulletin to announce the exhibitions and the demo tours that we do.

You can subscribe online on the front page of our website (European section) or by emailing to our marketing fairy :
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WE ARE ALWAYS LOOKING FOR CONTENT.
SHARE YOUR EXPERIENCE.





Photo : Jeremy Launais



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