



ZOOM 1200

Stage Color 1200 Stage Zoom 1200



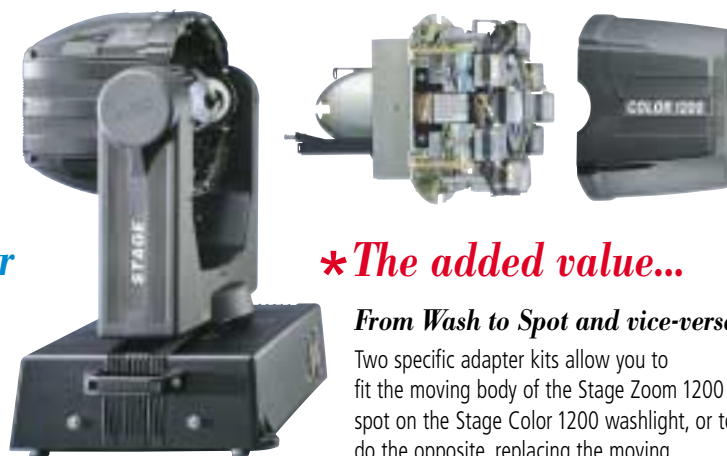
PROFESSIONAL SHOW LIGHTING

After pioneering the development of the moving mirror luminaire technology, Clay Paky is now also leading the way in moving body luminaires with the Stage Line, a range of six luminaires offering significant innovations over other products on the market, comprising 4 washlights and 2 effects projectors. The Stage Color 1200 washlight and Stage Zoom 1200 effects projector are at the top of the Stage Line range: as well as many other exclusive features, these two luminaires have one characteristic that makes them unique on the market: inter-changeability.

Stage Color 1200

A washlight of unique power

Stage Color 1200 is the most powerful washlight on the market today, with unrivalled capability for creating coloured backdrops thanks to its innovative colour creation, and with all the high level performance features required for the most sophisticated applications, in show-business, in concerts, in the theatre and in television.



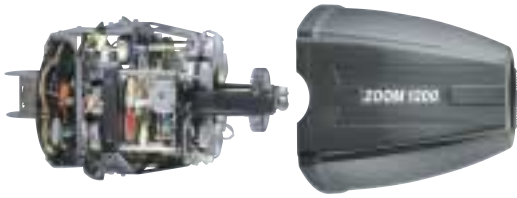
**The added value...*

From Wash to Spot and vice-versa.

Two specific adapter kits allow you to fit the moving body of the Stage Zoom 1200 spot on the Stage Color 1200 washlight, or to do the opposite, replacing the moving body of the Stage Zoom 1200 with that of the Stage Color 1200.



Stage Zoom 1200



...of Inter-changeability.

Quick, easy conversion

Both procedures are extremely easy and take just a few minutes, as the user follows a handful of clear instructions.

This means the luminaire can be built up to suit its intended function, as washlight or effects projector.

Economical and convenient

Inter-changeability is an extremely important innovation, with implications for both costs and convenience, since it allows a significant saving on users' initial investments and stock costs, while they are still always in a position to provide the right solution for various requirements.



Effects to the highest power

Stage Zoom 1200 is a powerful, sophisticated moving body effects projector, intended mainly for the most demanding applications in the world of the theatre, television and concerts, with its linear zoom, and the infinite combinations of constantly different effects achievable using its advanced gobo and prism systems.

* **Exclusive**

Stage Color 1200 *A washlight of unique power*

* *The new color system*

The Stage Color 1200 color system (1) uses three basic colors, Cyan, Magenta and Yellow, combined to produce an infinite number of hues. However, it also has a fourth disc, Amber in color (2), with gradual insertion. The combination of CMY and Amber produces a strikingly new range of pastel shades that systems based on just three colors are unable to provide; the answer to the most discriminating lighting designers' prayers.



Four-color mixing (1)



This exclusive color system is completed by various special effects (3), such as the concentric twin-colored beam and ultraviolet light.



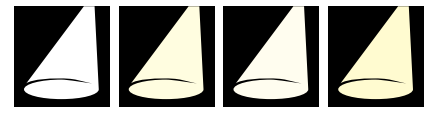
Color Effects disc (3)

* *GTC, Gradual color Temperature Correction*

The GTC system allows linear correction of the color temperature from 6000 to 3200 Kelvin. This innovation is essential in professional theatre and TV, for perfect compensation of the inevitable differences in lamp color temperature when several luminaires are used on the same set.



GTC/Amber disc (2)



Without GTC



With GTC



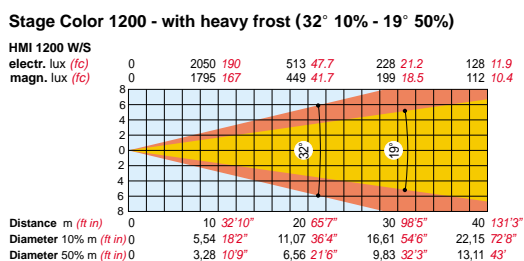
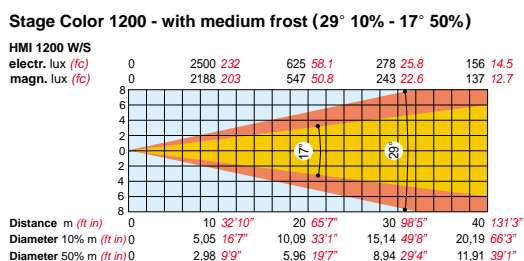
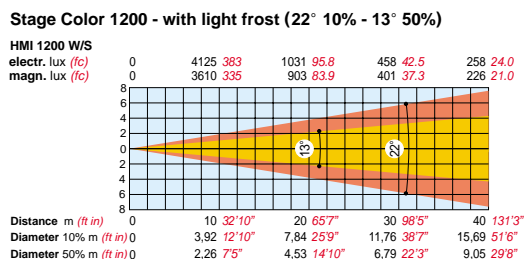
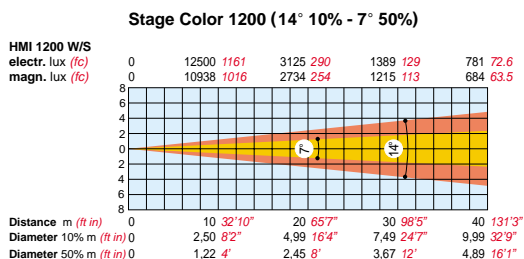
* *Exclusive*

* New generation frost

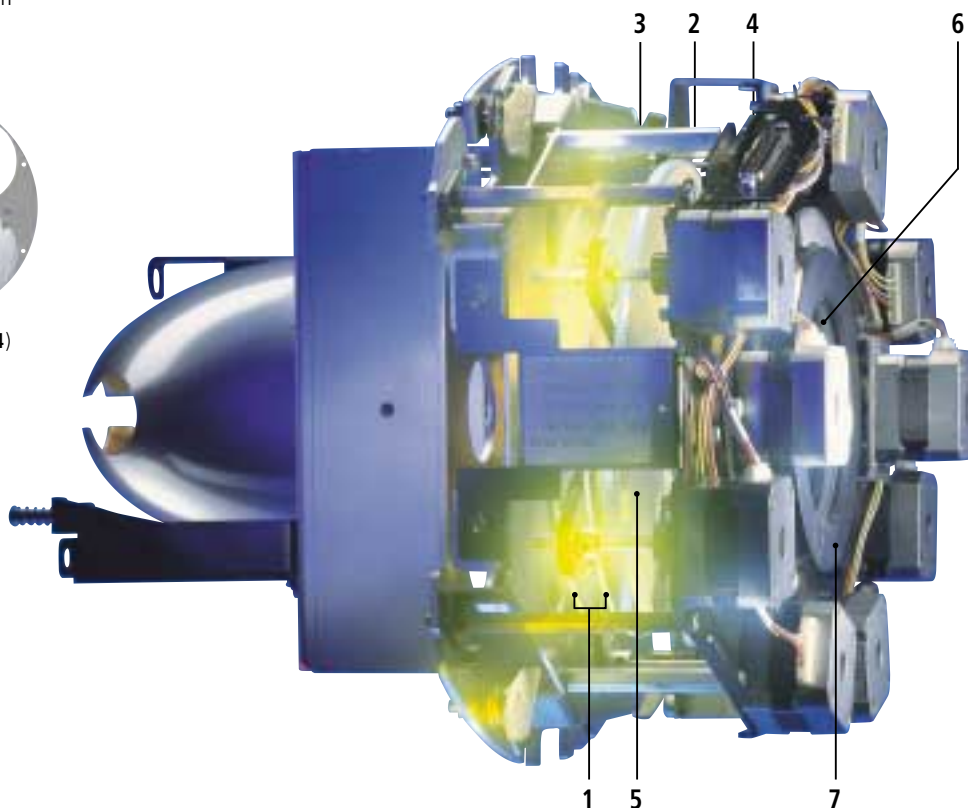
With the aid of innovative spherical glass caps (4) - with one side treated to obtain small lenses - and using three different filters, Stage Color 1200 produces three intensities of frost effects. The most intensive, with beam angle of no less than 50° and exclusive to Clay Paky, creates splendid color washes, perfectly uniform even when projected from short distances.



Three filter Frost disc (4)

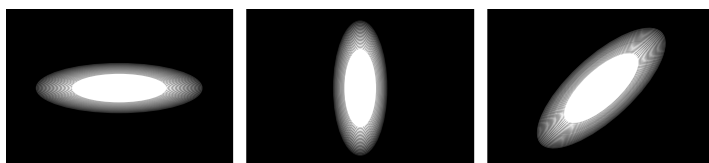


KEY: • electr. lux / magn. lux: maximum illumination with electronic/magnetic ballast.
• Diameter 10% - 50%: beam diameter for 10% and 50% of maximum illumination.

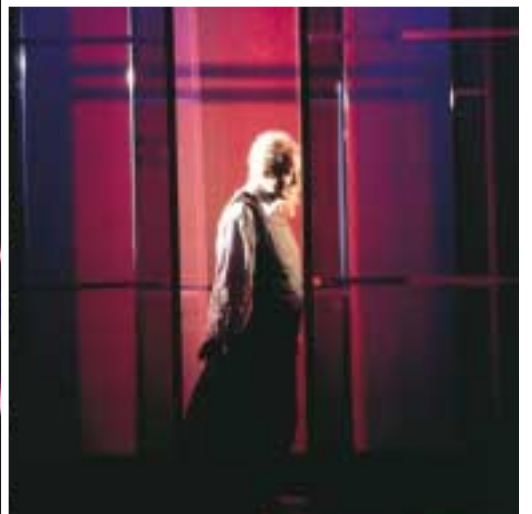


Other special effects

The range of effects provided is completed by various special effects filters, ovalized projection (5), beam stop/strobe (6) and mechanical iris dimmer (7).



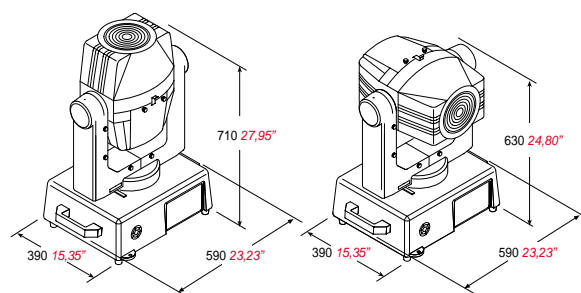
Stage Color 1200



Stage Color 1200

Control Channels

CHANNELS														
%	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Color mixing			Stopper Strobe	PAN	TILT	Color effects	Ovalizer	Frost	Amber	Dimmer	Lamp control	fine PAN	fine TILT
100%														
75%														
50%														
25%														
0%														



Technical data

Power supply

- Version with electronic ballast (with and without PFC):
 - 200-240V 50/60 Hz - 100-120V 50/60 Hz
- Version with electromagnetic ballast:
 - 220-240V 50 Hz - 200-220V 60 Hz

Lamp

Metal iodide lamp powered by a special unit incorporated in the fixture.

- Type HMI 1200W/S
 - Fitting Sfc 10-4
 - Luminous flux 110.000 lm
 - Color temp. 6.000K
 - Average life 750 hrs

Power consumption

- Version with electronic ballast without PFC:
 - 2.200VA at 230V 50 Hz
- Version with electronic ballast with PFC:
 - 1.600VA at 230V 50 Hz
- Version with electromagnetic ballast:
 - 1.700VA at 230V 50 Hz (Standard 140µF PFC)

Motors

N° 11 stepped motors with micro-stepping operation and full microprocessor control.

Optical system

- High luminous efficiency multi-elliptical reflector.
- Fresnel lens: diameter: 200mm, focal length: 140mm.

Channels

N° 11 + 3 control channels.

Inputs

- DMX 512
- RS232/423 (PMX)

Moving body

- Movement produced by two microprocessor controlled microstepping motors.
- Automatic PAN and TILT reposition-

ing in the event of accidental movement not ordered from the desk.

- Range: - PAN = 450° - TILT = 252°
- Max. speed:
 - PAN = 4.0 sec. (360°)
 - TILT = 3.2 sec. (252°)
- Resolution:
 - PAN = ± 1.76°
 - PAN FINE = ± 0.007°
 - TILT = ± 0.98°
 - TILT FINE = ± 0.004°

Safety devices

- Dual-pole automatic overload cutout.
- Power supply shuts off automatically in the case of overheating or cooling system failure.
- Power shuts off automatically when cover is opened.
- 4 safety-wire anchor points.

Cooling

Forced ventilation cooling system using axial flow fans.

Housing

- Made of diecast aluminium and steel.
- Epoxy powder coating.
- Two lateral transport handles.
- PAN and TILT lock system for transportation and maintenance.

Operating position

For use in any position.

Weight

- Electronic ballast version:
 - 41.5 kg (91lbs 5oz)
- Electromagnetic ballast version:
 - 55.4 kg (121lbs 14oz)

Dimensions

See design (mm/inches).

Sales Codes

STAGE COLOR 1200

- C61015** Stage Color 1200 with electronic ballast
- C61016** Stage Color 1200 with electromagnetic ballast
- C61101** Effects unit to convert from Stage Color 1200 to Stage Zoom 1200



STAGE COLOR 1200 and STAGE ZOOM 1200

- C61050** Stage Color 1200 and Stage Zoom 1200 moving body base with electronic ballast.
- C61055** Stage Color 1200 and Stage Zoom 1200 moving body base with electromagnetic ballast.
- L 10055** Osram 1200 W/S Lamp.
- 750359/001** Flange rotation keys for converting Stage Color 1200 to Stage Zoom 1200 and vice-versa.
- 183102/801** Clamp fixing bracket.
- C52175** Truss G clamps.

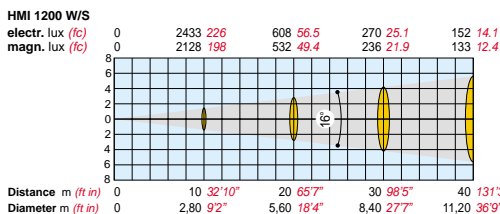


Stage Zoom 1200 *Effects to the highest power*

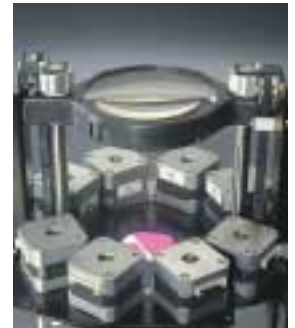
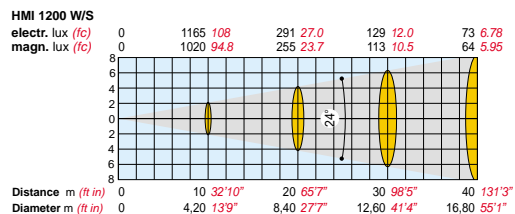
Fully electronic Zoom lens

One of this luminaire's special features is the zoom lens (1), with zoom and electronic focusing controlled from the desk, with a range from 16 to 24 degrees to offer a wide choice of projection angles.

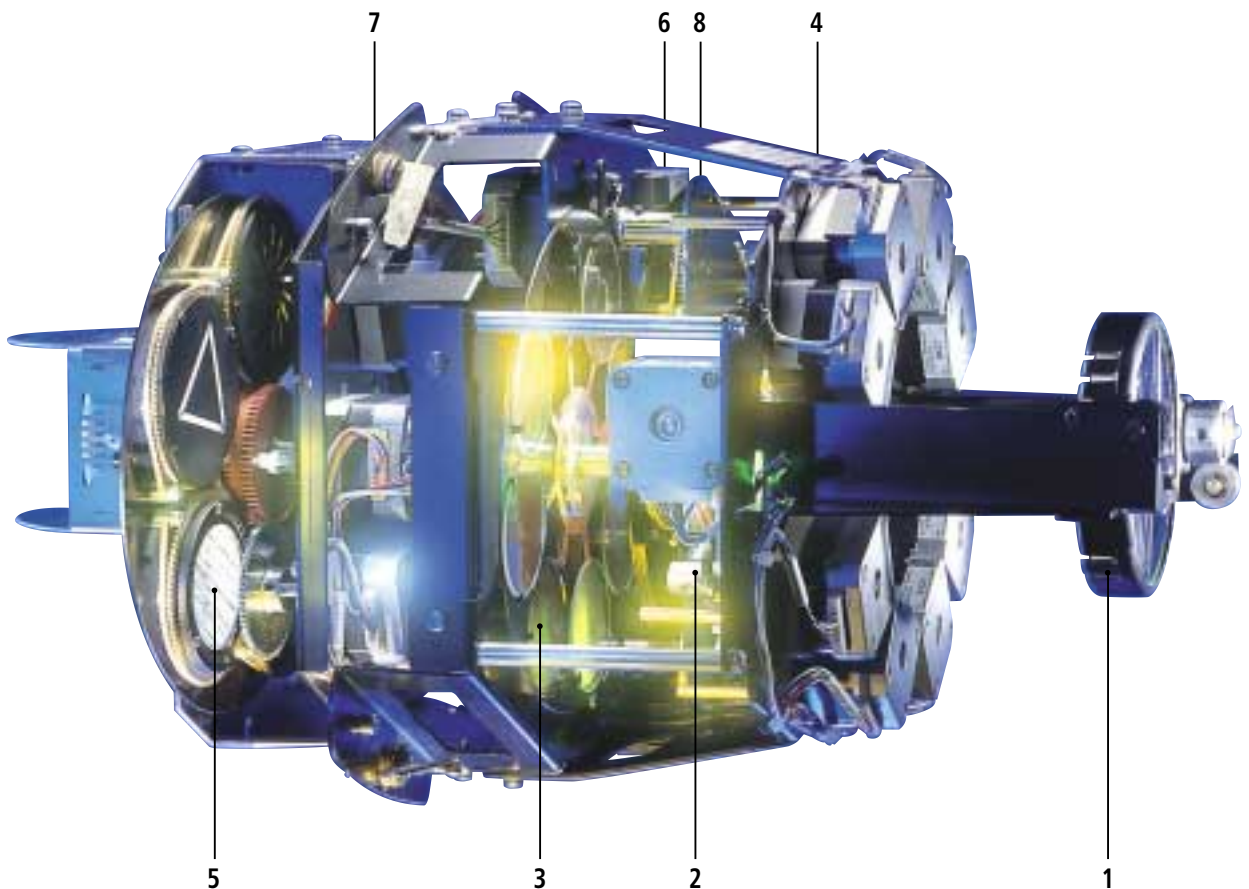
Stage Zoom 1200 - Minimum Zoom - Focal 243 (16°)



Stage Zoom 1200 - Maximum Zoom- Focal 114 (24°)



Zoom lens (1)



Unlimited color

Stage Zoom 1200 uses a three filter CMY (2) color mixing system, providing an almost limitless palette, backed up by two color-temperature correction filters (3200 and 6000 K).

The special colors (3) include concentric twin-colored beams, four-colored beams, ultraviolet light, a light blue filter and the rainbow effect.



Three-color mixing (2)



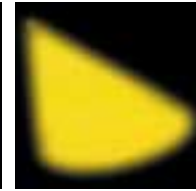
Color Effects disc (3)

Gradual variable Frost

The highly innovative, effective variable frost effect (4) offers complete gradual variation, allowing a spectacular transition through the various diffusion levels, down to a very wide diffusion angle.



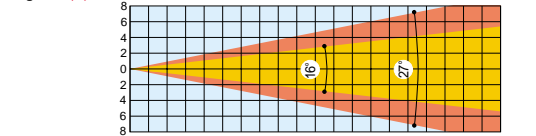
Gradual variable frost (4)



Stage Zoom 1200 - Minimum Zoom with frost 100% (27° 10% - 16° 50%)

HMI 1200 W/S

electr. lux (fc)	0	860 79.9	215 20.0	96 8.92	54 5.02
magn. lux (fc)	0	753 70.0	188 17.5	84 7.8	47 4.37

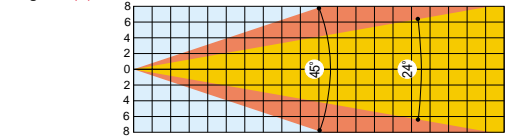


Distance m (ft in)	0	10 32'10"	20 65'7"	30 98'5"	40 131'3"
Diameter 10% m (ft in)	0	4,73 15'6"	9,46 31'	14,19 46'7"	18,92 62'1"
Diameter 50% m (ft in)	0	2,76 9'1"	5,51 18'1"	8,27 27'2"	11,02 36'2"

Stage Zoom 1200 - Maximum Zoom with frost 100% (45° 10% - 24° 50%)

HMI 1200 W/S

electr. lux (fc)	0	408 37.9	102 9.48	45 4.18	26 2.42
magn. lux (fc)	0	358 33.3	89 8.27	40 3.72	22 2.04



Distance m (ft in)	0	10 32'10"	20 65'7"	30 98'5"	40 131'3"
Diameter 10% m (ft in)	0	7,82 25'8"	15,63 51'3"	23,45 76'11"	31,26 102'7"
Diameter 50% m (ft in)	0	4,14 13'7"	8,27 27'2"	12,41 40'9"	16,55 54'4"

KEY:

- electr. lux / magn. lux: maximum illumination with electronic/magnetic ballast.
- Diameter 10% - 50%: beam diameter for 10% and 50% of maximum illumination.

A multitude of graphic capabilities

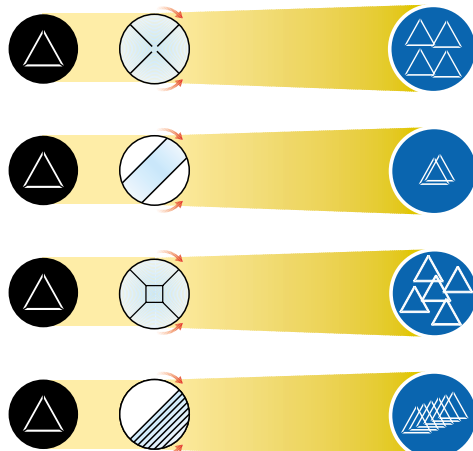
The image projection system uses two separate discs (5) which can be used in combination, one for the static gobos and the other for rotating gobos at adjustable speed, with indexed positioning through 540° so that a given effect can be repeated on a bank of several luminaires. The gobos are inter-changeable, with the option of the various types: in metal or glass, color and high-definition photographic. For other graphic combinations, the rotating prisms (6) can be overlapped with the gobos: the 4-way prism, the oscillating effect prism, the 5-face prism and the 3d effect prism. Like the gobos, the prisms rotate in both directions at adjustable speed, and they also have the extremely useful indexed positioning through 540°.



Gobo discs (5)



Prism disc (6)



Other special effects

Amongst its special effects, Stage Zoom 1200 offers the variable speed iris (7) for opening and closing the beam, the mechanical dimmer (8) to reduce light output and for instantaneous beam stoppage, and the strobe effect (8) with frequency adjustable from 1 to 11 flashes per second.

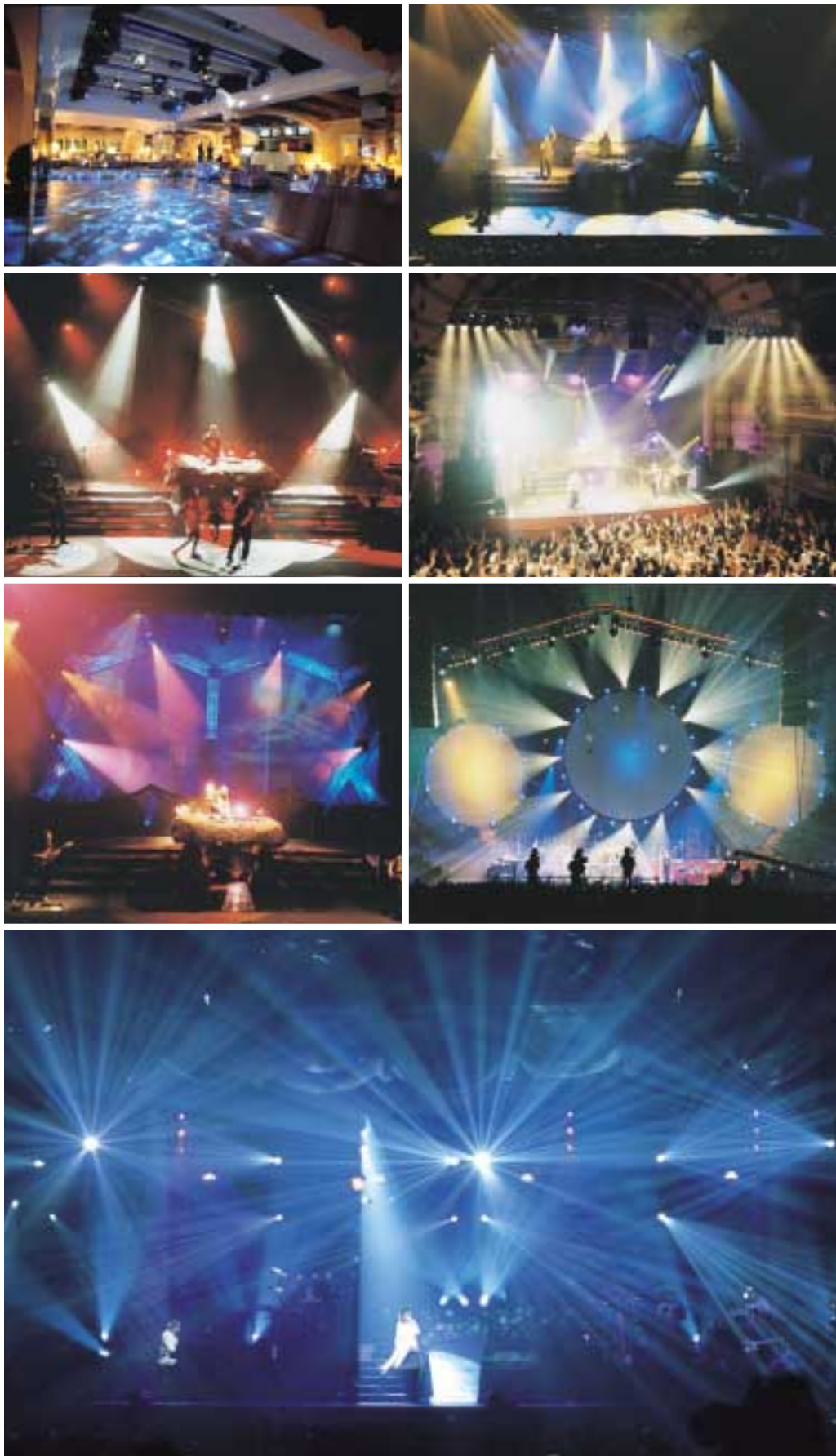


Variable speed Iris (7)



Dimmer and Stop/Strobe blades (8)

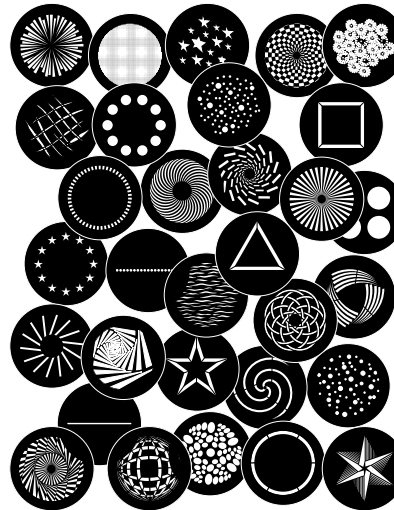
Stage Zoom 1200



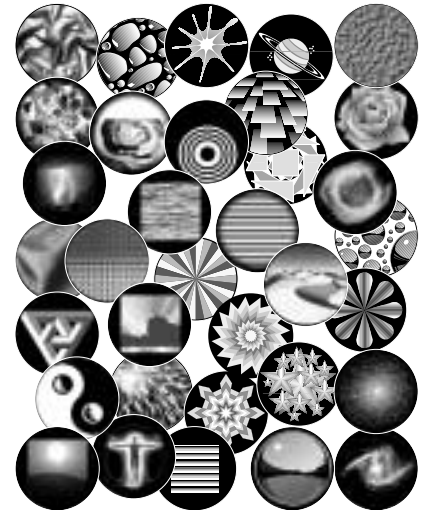
A vast choice of gobos

Clay Paky has a huge catalogue of Gobos of all types, with a large assortment of materials, designs and dimensions suitable for the most widely varying requirements. It also offers its customers a quality service for the production of customised gobos

METAL GOBOS



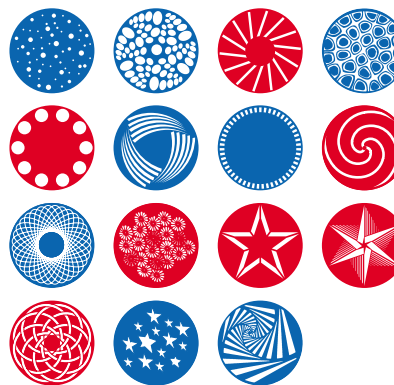
HD PHOTOGRAPHIC GOBOS



MULTICOLOR DICHOIC GOBOS



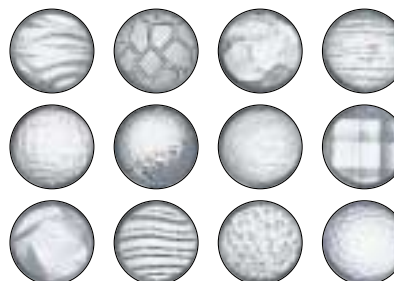
DICHOIC GOBOS



DICHOIC COLOR FILTERS



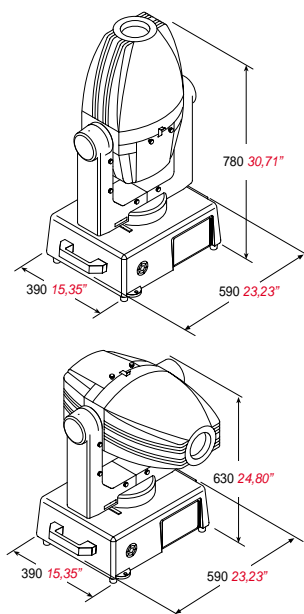
DECORATIVE GLASS GOBOS



Stage Zoom 1200

Control Channels

CHANNELS																			
%	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	Iris	Color effects	Frost	Dimmer Stopper Strobe	PAN	TILT	Zoom	Focus	Rotating prism change	Prism rotation	Fixed gobo change	Rotating gobo change	Gobo rotation	Color mixing		Lamp control	fine PAN	fine TILT	
100%																			
75%																			
50%																			
25%																			
0%																			



Technical data

Power supply

- Version with electronic ballast (with and without PFC):
 - 200-240V 50/60 Hz
 - 100-120V 50/60 Hz
- Version with electromagnetic ballast:
 - 220-240V 50 Hz
 - 200-220V 60 Hz

Lamp

- Metal iodide lamp powered by a special unit incorporated in the fixture.
- Type HMI 1200 W/S
 - Fitting Sfc 10-4
 - Color temperature 6.000 K
 - Luminous flux 110.000 lm
 - Average life 750 hrs

Power consumption

- Version with elect. ballast without PFC: 2.200VA at 230V 50 Hz
- Version with electronic ballast with PFC: 1.600VA at 230V 50 Hz

- Version with electromagnetic ballast: 1700VA at 230V 50Hz (Standard 140µF PFC).

Motors

N° 22 stepped motors with microstepping operation and full microprocessor control.

Optical system

- Twin-lens condenser.
- High luminous efficiency spherical reflector.
- Zoom lens, focal 114/243 (16° ÷ 24°).

Channels

N° 16 + 3 control channels.

Inputs

- DMX 512 • RS232/423 (PMX)

Moving body

- Movement produced by two microprocessor-controlled microstepping motors.
- Automatic PAN and TILT repositioning in

the event of accidental movement not ordered from the desk.

- Range:
 - PAN = 450° - TILT = 252°
- Max. speed:
 - PAN = 4.0 sec (360°)
 - TILT = 3.2 sec (252°)
- Resolution:
 - PAN = ± 1.76°
 - PAN FINE = ± 0.007°
 - TILT = ± 0.98°
 - TILT FINE = ± 0.004°

Safety devices

- Dual-pole automatic overload cut-out.
- Power supply shuts off automatically in the case of overheating or cooling system failure.
- Power shuts off automatically when cover is opened.
- 4 safety-wire anchor points.

Cooling

Forced ventilation cooling system using axial flow fans.

Housing

- Made of diecast aluminium and steel.
- Epoxy powder coating.
- Two lateral transport handles.
- PAN and TILT lock system for transportation and maintenance.

Operating position

For use in any position.

Weight

- Electronic ballast version: 45.2 kg (99lbs 7oz)
- Electromagnetic ballast version: 58.7 kg (129lbs 2oz)

Dimensions

See design (mm/inches).

Sales Codes

STAGE ZOOM 1200

- C61001** Stage Zoom 1200 with electronic ballast
- C61002** Stage Zoom 1200 with electromagnetic ballast
- C61102** Effects unit to convert from Stage Zoom 1200 to Stage Color 1200



STAGE COLOR 1200 and STAGE ZOOM 1200

- C61050** Stage Color 1200 and Stage Zoom 1200 moving body base with electronic ballast.
- C61055** Stage Color 1200 and Stage Zoom 1200 moving body base with electromagnetic ballast.
- L10055** Osram 1200 W/S Lamp.
- 750359/001** Flange rotation keys for converting Stage Color 1200 to Stage Zoom 1200 and vice-versa.
- 183102/801** Clamp fixing bracket.
- C52175** Truss G clamps.



Stage Color 1200 and Stage Zoom 1200: Features common to the two luminaires



* Hot lamp restrike

Hot restrike is always possible, so the lamp can be reused immediately even in case of accidental switch-off, making the down-times and long waits typical of luminaires without this handy function a thing of the past.

Generous, smooth movements

Movements (Pan 450°, Tilt 252°) are exceptionally wide and smooth, with microstepping resolution selectable between 8 or 16 bit at the flick of a switch.

Highly professional lamp

The new, powerful HMI 1200 W/S discharge lamp is considerably smaller in size than the conventional HMI 1200 from which it derives, while retaining its extraordinary levels of professionalism, reliability, light output and colour temperature constancy over time.



Lamp control from the desk

The lamp can be switched on or off with control directly from the desk. This function can be set or disabled using a switch on the luminaire, so it can be eliminated if not desired, even temporarily.

Automatic repositioning

The automatic repositioning of the moving body after chance or accidental movements is another extremely convenient feature; the operator no longer has to repeat the time-consuming, irksome alignment procedure all over again.

* Transport lock on moving body

One of the most useful exclusive features Clay Paky offers with the Stage Line is the moving body lock operated by just pressing two buttons. This device hugely simplifies all handling and transport operations, finally doing away with troublesome, risky movement of the luminaire head.



* Easy access to luminaire interior

Removal of the inter-changeable moving body makes it easy to place on a work-bench for inspection and servicing, even further simplified by the easily opened shell structure of the case.

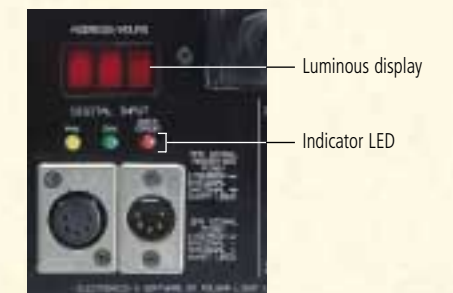


Lightweight electronic ballast

Stage Color 1200 and Stage Zoom 1200 are equipped as standard with electronic ballast, allowing a considerable reduction in luminaire weights, especially useful in mobile applications. Conventional electromagnetic ballast, more popular in permanent installations, is available on request.

Outstanding electronics

The performance of the electronics is guaranteed by the experience of Pulsar, which has designed and built them specifically for all Stage Line luminaires. The convenient illuminating display giving clear indication of the luminaire's operating status is another important feature.



Socket and plug for DMX signal

Quick mounting plate

To speed up installation on supporting structures, luminaires are supplied complete with a base plate and two clamp fixing brackets, designed for the use of standard connection systems.



* Exclusive

* Exclusive

Stage Line: comparison of 6 luminaires



		WASHLIGHTS					EFFECTS PROJECTORS				
Specifications and performances		STAGE COLOR 300		STAGE COLOR 575	STAGE COLOR 1000	STAGE COLOR 1200	STAGE LIGHT 300		STAGE ZOOM 1200	Specifications and performances	
Lamp	Type	HTI 300	HMD 300	HMI 575/SEL	Halogen 1000 W	HMI 1200 W/S	HTI 300	HMD 300	HMI 1200 W/S	Lamp	Type
	Color temperature	6.500 K	5.700 K	6.000 K	3.200 K	6.000 K	6.500 K	5.700 K	6.000 K		Color temperature
	Average life	750 hrs	3.000 hrs	1.000 hrs	250 hrs	750 hrs	750 hrs	3.000 hrs	750 hrs		Average life
Interchangeability		-		-	-	with Stage Zoom 1200	-		with Stage Color 1200	Interchangeability	
Hot restrike feature		-		•	-	•	-		•	Hot restrike feature	
Lamp on/off from desk		-		•, selectable	•	•, selectable	-		•, selectable	Lamp on/off from desk	
Electronic zoom lens		-		-	-	-	-		•	Electronic zoom lens	
Manual zoom lens		-		-	-	-	•		-	Manual zoom lens	
Electronic focusing		-		-	-	-	•		•	Electronic focusing	
3-color mixing (CMY)		•		-	•	-	-		•	3-color mixing (CMY)	
4-color mixing (CMY + Amber)		-		•	-	•	-		-	4-color mixing (CMY + Amber)	
Gradual color Temperature Correction (GTC)		-		•	-	•	-		-	Gradual color Temperature Correction (GTC)	
Colors wheel		-		•	•	•	• (2)		•	Colors wheel	
Color temperature correction (2 filters)		-		-	-	-	•		•	Color temperature correction (2 filters)	
Ultraviolet light		-		•	•	•	•		•	Ultraviolet light	
Gradual variable frost		•		-	-	-	-		•	Gradual variable frost	
Frost filters		-		3	1	3	2		-	Frost filters	
Static gobos		-		-	-	-	-		4	Static gobos	
Indexable rotating gobos		-		-	-	-	6		4	Indexable rotating gobos	
Static prisms		-		-	-	-	1		-	Static prisms	
Indexable rotating prisms		-		-	-	-	-		4	Indexable rotating prisms	
Ovalized beam		-		•	•	•	-		-	Ovalized beam	
Electronic iris		-		-	-	-	-		•	Electronic iris	
Dimmer		• (on single channel)		• (on single channel)	• (electronic on single ch.)	• (on single channel)	•		•	Dimmer	
Stop/strobe		•		•	•	•	•		•	Stop/strobe	
Pan angle (450°)		•		•	•	•	•		•	Pan angle (450°)	
Tilt angle (252°)		•		•	•	•	•		•	Tilt angle (252°)	
Selectable pan and tilt resolution (8/16 bit)		•		•	•	•	•		•	Selectable pan and tilt resolution (8/16 bit)	
Automatic pan and tilt repositioning		•		•	•	•	•		•	Automatic pan and tilt repositioning	
Pan and tilt locking for transport		•		•	•	•	•		•	Pan and tilt locking for transport	
Electromagnetic ballast		•		•	-	optional	•		optional	Electromagnetic ballast	
Electronic ballast		-		optional	-	•	-		•	Electronic ballast	
Control channels		8+2		11+3	9+2	11+3	8+2		16+3	Control channels	

S t a g e L i n e



XV2032 - GB - 5000 - 12/99



PROFESSIONAL SHOW LIGHTING

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