



Stage Color 575 Stage Color 1000



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.

Stage Color 575

The most innovative medium power washlight

When the set or room make 575 Watt luminaires advisable, Stage Color 575, the most innovative medium power washlight on the market today, is the ideal choice, thanks to its sophisticated wash creation capability and all the high level performance features needed for the most demanding professional applications.



Stage Color 1000

The washlight for theatre and TV

Stage Color 1000 is an impressive washlight given added power by a halogen lamp, intended mainly for theatre and TV applications. It has been designed and constructed in response to the requests put forward by many lighting designers working in this sector, and thus meets the requirements typical of this field.



In this line, the

Stage Color 575 and

Stage Color 1000

respond, each in its own

way, to the sophisticated

requirements of

the world of the theatre

and television, which

demands quiet operation,

complete mastery of

color temperature

and combinations, the

capability for highly

expressive use of light,

and an extremely high

level of reliability.

Stage Color 575 *The most innovative medium-power washlight*

* 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.



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)

Ballast

Stage Color 575 is equipped as standard with electromagnetic ballast. However, electronic ballast, allowing a considerable reduction in luminaire weights and especially useful in mobile applications, is available on request.

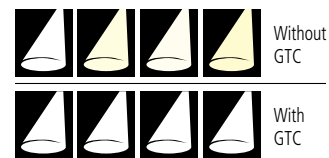
Lamp

Stage Color 575 uses the tried and tested professional HMI 575/SEL, with control from the lighting desk and hot restrike.



* "GTC", Gradual color Temperature Correction

The GTC system allows gradual 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.



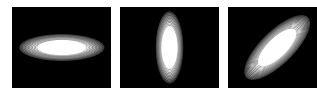
GTC/Amber disc (2)

Other special effects

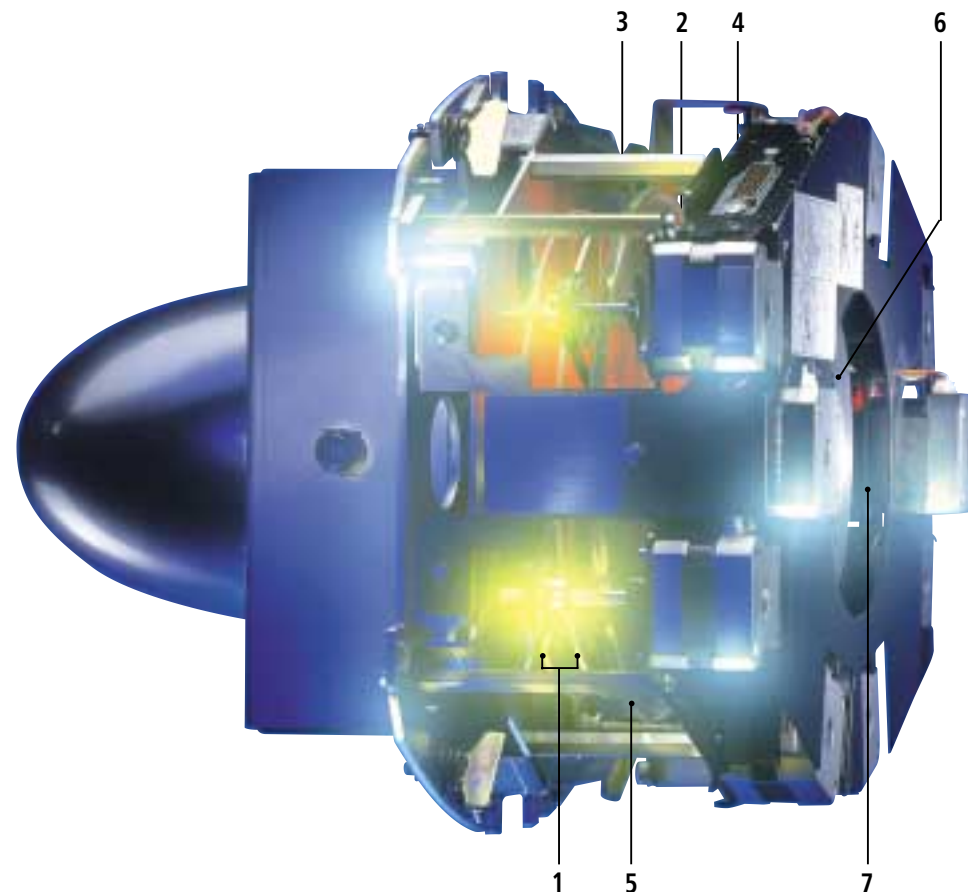
The range of effects provided is completed by various special effects filters, ovalized projection (5), beam stopper, strobe (6) and mechanical iris dimmer (7).



Iris dimmer (7).



Oval beam shaping disc (5)



* New generation frost

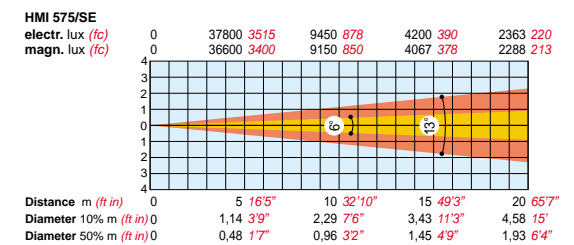
This innovation is based on a new concept in the design and construction of frost effect filters. It employs innovative spherical optical glass caps (4), with one side treated to obtain small lenses.

Stage Color 575 has three filters for three different intensity 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.

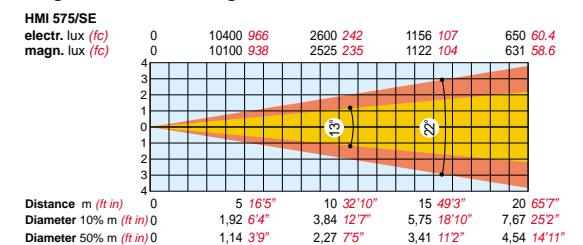


Three filter Frost disc (4)

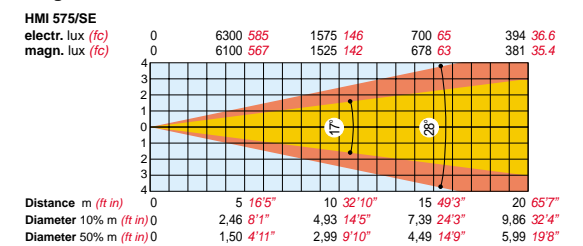
Stage Color 575 (13° 10% - 6° 50%)



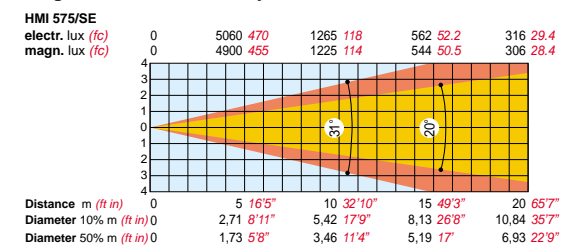
Stage Color 575 - with light frost (22° 10% - 13° 50%)



Stage Color 575 - with medium frost (28° 10% - 17° 50%)



Stage Color 575 - with heavy frost (31° 10% - 20° 50%)



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

* Exclusive

Stage Color 1000

The washlight for theatre and television

No color temperature problems

In the theatre and television, constant color temperature is particularly useful. Stage Color 1000 is equipped with a powerful 1000 Watt halogen lamp which eliminates any color temperature control problems by its very technology.



Color-Mixing

Stage Color 1000 uses a three-filter CMY color-mixing system (1) to give the exact color shade required.



Three-color mixing (1)



This color system is completed by various special effects (2), such as the concentric twin-colored beam and ultraviolet light.



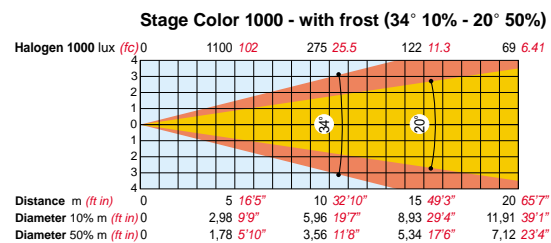
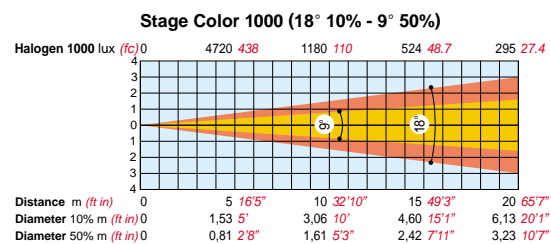
Color Effects disc (2)

* New generation frost filter

A latest generation optical glass frost filter (3a) provides a wide angle of aperture and perfectly uniform light intensity over the entire illuminated area, while greatly reducing the typical loss of brightness associated with conventional diffusers.



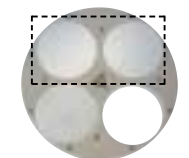
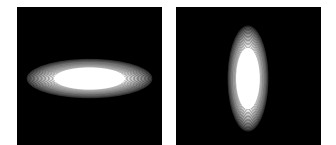
Frost filter (3a)



KEY:
Diameter 10% - 50%:
beam diameter for
10% and 50% of
maximum illumination.

Special effects

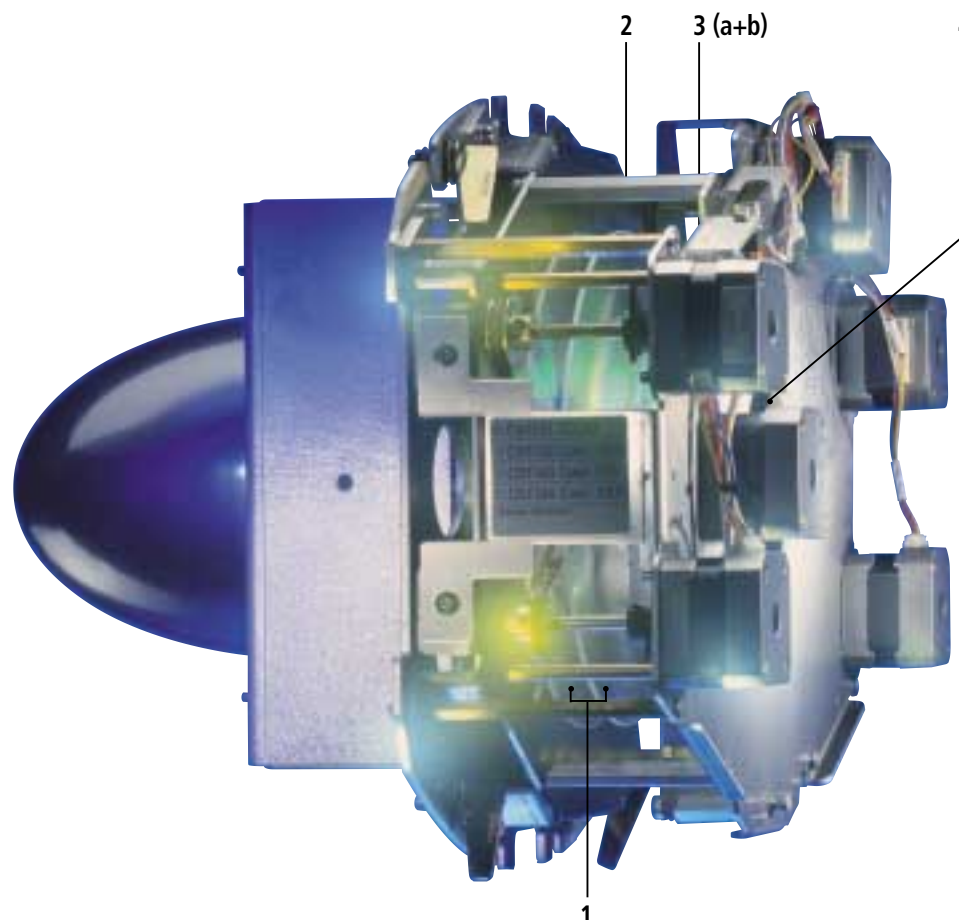
Stage Color 1000 offers various special effects, including the horizontal or vertical ovalized projection (3b), which expands the illuminated area, electronic dimmer controlled by a single channel, beam stopper and strobe (4).



Ovalisation filters (3b).



Stop/Strobe blades (4).



Features common to the two luminaires

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.

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 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.



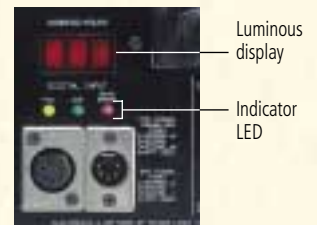
* Easy access to luminaire interior

The easy opened shell structure of the moving body case simplifies inspection and servicing work inside the luminaires.



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

Stage Color 575 and Stage Color 1000

Control Channels

Stage Color 575

		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%															

Stage Color 1000

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

Sales codes

STAGE COLOR 575 and STAGE COLOR 1000

C61022 Halogen STAGE COLOR 1000
with electronic dimmer

C61013 STAGE COLOR 575 with electronic ballast

C61014 STAGE COLOR 575 with electromagnetic ballast

L 10052 PHILIPS halogen lamp 230V 1000W

L 10053 PHILIPS halogen lamp 120V 1000W



L 10054

OSRAM
HMI 575 /SEL lamp



183102/801 Clamp fixing
brackets



C52175

Truss
G clamps



Technical data

Stage Color 575

Power supply

- Version with electronic ballast:
 - 200-240V 50/60Hz - 100-120V 50/60Hz
- Version with electromagnetic ballast:
 - 220-240V 50Hz - 200-220V 60Hz

Lamp

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

- Type HMI 575W/SEL
 - Cap G22 - Color temperature 6.000 K
 - Luminous flux 49.000 lm - Average life 1.000 h

Power consumption

- Version with electronic ballast:
 - 1200VA at 230V 50Hz
- Version with electromagnetic ballast: 900VA at 230V 50Hz (70 μ F standard power factor correction)

Motors

N° 11 stepped motors with microstepping operation and full microprocessor control.

Channels

N° 11 + 3 control channels.

Weight

- Electronic ballast version: 40.1 kg (88lbs).
- Electromagnetic ballast version: 48 kg (105lbs 10oz).

Stage Color 1000

Power supply

200-240V 50/60Hz - 100-120V 50/60Hz

Lamps

- Halogen 120V 1000W
 - Cap GY9.5
 - Color temperature 3.200 K
 - Luminous flux 27.000 lm
 - Average life 250 h
- Halogen 230V 1000W
 - Cap GY9.5
 - Color temperature 3.200 K
 - Luminous flux 25.000 lm
 - Average life 250 h

Power consumption

1200VA at 230V 50Hz

Motors

N° 8 stepped motors with microstepping operation and full microprocessor control.

Channels

N° 9 + 2 control channels.

Weight

Weight: 35.8 kg (78lbs 12oz).

Stage Color 575 and Stage Color 1000

Optical system

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

Inputs

- DMX 512
- RS 232/423 (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 = $\pm 1.76^\circ$ - PAN FINE = $\pm 0.007^\circ$
 - TILT = $\pm 0.98^\circ$ - TILT FINE = $\pm 0.004^\circ$

Safety devices

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

Cooling

Forced ventilation cooling system using axial flow fans.

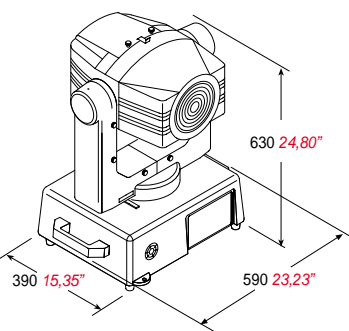
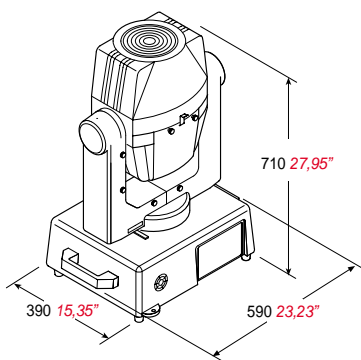
Housing

- 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.

Dimensions: See design (mm/inches).





Stage Line: Comparison of 6 luminaires

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



PROFESSIONAL SHOW LIGHTING

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