FLEX

LINE

LIGHT EMOTION

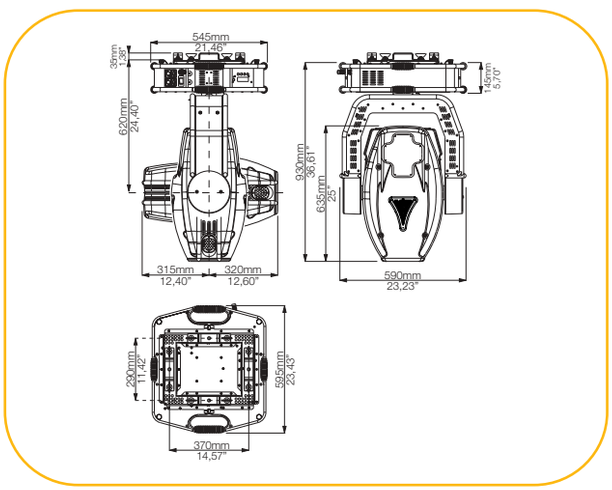
coemar

i Profile Flex

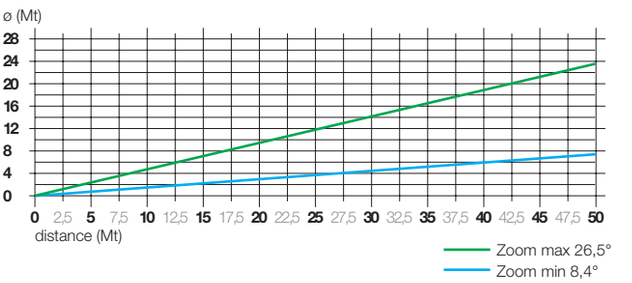
Innovation and technology

*i*PROFILE *FLEX* (cod. # 9124)

■ iProfile Flex is a moving head projector with **variable luminous output of between 800W and 2000W.** Together with a range of animated effects (including fire, snow, water and clouds), it also has the ability to precisely frame the beam into geometric shapes. Infinite colour, gobos, proportional zooming, iris, electronic "zap" strobing, electronic dimming, prisms and remote focusing complete the fixture, making it the **most versatile fixture in its class**. All of the fixture's effects **can be used simultaneously**.



Light output (lux)		distance (Mt) 5	10	15	20	25	30	35	40	45	50
White 2000 W.	Max Zoom	14280	3570	1587	893	571	397	291	223	176	143
	Min Zoom	130400	32600	14489	8150	5216	3622	2661	2038	1610	1304
White 1250 W.	Max Zoom	9080	2270	1009	568	363	252	185	142	112	91
	Min Zoom	80400	20100	8933	5025	3216	2233	1641	1256	993	804



Light output Zoom min (lux)		distance (Mt) 5	10	15	20	25	30	35	40	45	50
Magenta	Best color	6200	1550	689	388	248	172	127	97	77	62
	Traditional	4120	1030	458	258	165	114	84	64	51	41
Cyan	Best color	50400	12600	5600	3150	2016	1400	1029	788	622	504
	Traditional	25800	6450	2867	1613	1032	717	527	403	319	258
Yellow	Best color	52800	13200	5867	3300	2112	1467	1078	825	652	528
	Traditional	52800	13200	5867	3300	2112	1467	1078	825	652	528
Red	Best color	2640	660	293	165	106	73	54	41	33	26
	Traditional	1520	380	169	95	61	42	31	24	19	15
Green	Best color	15400	3850	1711	963	616	428	314	241	190	154
	Traditional	7480	1870	831	468	299	208	153	117	92	75

■ **Animation:** two animation wheels fitted with glass effects and translation movement. May be used concurrently with prism effects and gobos to create fire, water, cloud and other effects. Variable direction and speed.
■ **Gobos:** gobo wheel fitted with 6 glass gobos + white. Indexed, 16 bit positioning. Variable 8 bit direction and speed.
■ **Color:** full proportional CMY + CTO (orange colour temperature correction) + 5 fixed colors + white on fully-customisable colour wheel, for the creation of "color 3D"™.
■ **"Best Color"™** (Patented): colours dynamically determine the output of the lamp, thus allowing an optimal level of light output to be maintained.
■ **Prisms:** 2 optical glass prisms, variable direction and speed
■ **Framing System:** four blade framing system with each shutter blade adjustable for radial position and angle. Assembly may be rotated 0 - 90 degrees.
■ **Iris:** proportional 10% - 100% aperture.
■ **Optical Zoom:** linear progressive zoom; free control of zoom and focus (for more information see lighting diagram)
■ **Frost effect:** achieved by defocusing system without losing light output
■ **ZAP strobe:** electronic strobe variable 0-100Hz, synchronised, random and pulse effect
■ **Dimmer/Shutter:** mechanical dimmer proportional 0-100%, with fade/pulse, blackout and chaser effect
■ **Range of motion:** 500° pan x 252° tilt, 16 bit.
■ **Lamp:** Philips MSR-2000 SA, 155.000 lm, 6000°K, 750 hours.

■ **Optics:** dichroic cold mirror borosilicate reflector, high temperature resistant; 10 lens optical zoom system, optical glass, AR coated. External fine lamp adjustment in the optical system.
■ **Ventilation:** forced ventilation temperature control, **"Variable Air Flux"™** system (Patented).
■ **User interface:** four character, 17 segment LED display, all functions emulated by ***dr2*** remote control.
■ **Compatible with DR 2 (code # 9706):** Flex communicates with ***dr2*** via standard DMX 512 connection; information exchange with PC through USB e connection to emulate all unit's functions, to update software, to exchange data, to choose the language for extended menu, to save shows in real time (back-up).
■ **Communication:** DMX 512 protocol, 34 channels. Bi-directional communication with ***dr2***.
■ ***Body:*** steel and aluminium body with carbon fiber body panels. Rubber over-moulded frame for handles and bumpers.
■ ***Modularity:*** all optical modules are integral, detachable mechanical modules with multi-pin electrical connectors held by 1/4 turn fasteners. Modular PCB system with serial interface.
■ **Power requirements:** advanced high-efficiency Coemar electronic ballast and PFC (Cos♦ 0,98), flicker-free square wave, constant power. Auto-ranging 190VAC – 245VAC, 50/60 Hz., from 5,5 to 11.3A @ 240VAC.
■ **Orientation:** any.
■ **Weight** 56.7kg (125 lb).

coemar

i Profile Flex

Innovation and technology

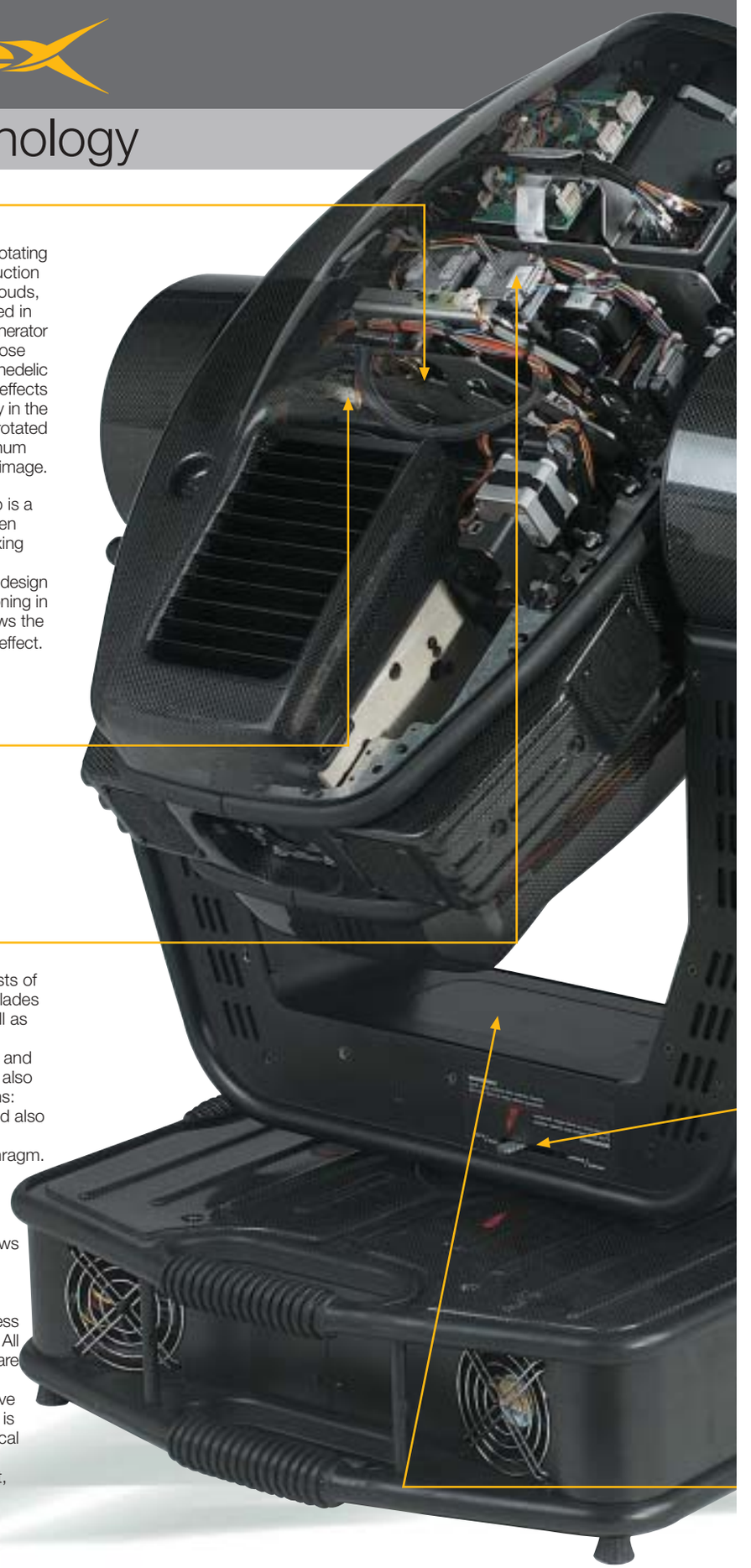
- **Effects generation module**: a combination of 6 gobos and two rotating effects wheels allow for the production of realistic images such as fire, clouds, water and snow, effects often used in todays productions. Flex effects generator also offers the ability to superimpose images, thus creating almost psychedelic effects. The two interchangeable effects wheels are supported magnetically in the fixture; the entire module can be rotated through 90°, thus allowing maximum control over the orientation of the image.

- Installed in the same effects group is a dichroic **colour wheel** which, when superimposed over the colour mixing system, can be used to create multicoloured output. The specific design of the colour wheel, and its positioning in the optical path of the fixture, allows the creation of a unique “color 3D”™ effect.

- The **Proportional colour module** is composed of a CMY (cyan, magenta and yellow) colour mixing system, CTO (colour temperature correction orange) filtering and a dimmer.

- The **Framing Shutter module** consists of 4 independently controllable shutter blades which can all be moved linearly as well as rotated through 90°.
The system allows not only the shape and size of the beam to be controlled, but also the creation of various geometric forms: quadrilaterals, rectangles, triangles and also a curtain-of-light effect.
The module also includes an iris diaphragm.

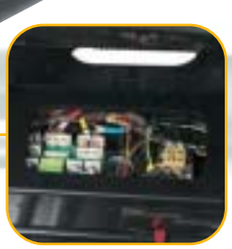
- **Modular construction** allows the lighting designer to personalise fixtures to suit specific applications, even during rehearsals, when access to luminaires may be limited. All of the modular components are easily removed via simple, quick-release 1/4 turn captive wingnuts. Each component is equipped with slot-in electrical and electronic connectors which are vibration-resistant, same as those used in the automobile industry.



on the road facilities

- **Matrioshka (code # 9126):** weather protection for the fixture whilst still maintaining full functionality.

- **Pan and tilt movement locking:** solid steel construction to ensure that all articulated movement is locked in place for safety and ease of transportation.



- **Modular electronics:** standardised serial-interfaced electronics across the entire Flex range. All connectors are easily inspected.

- **Flight Case:** solid construction with lockable wheels, anodised aluminium edge and corner protection with rounded edges. Internal anti-vibration padding allows two projectors to be safely transported.

- **Housing** in carbon fiber, indestructible and offering robustness, light weight and the class of a Formula 1.

- Twin ergonomic **grab handles** fused to the body.

- **Anti-bump profile edging** made of rubber and fused to the housing to protect the fixture against accidental damage.