

Alex

L I N E

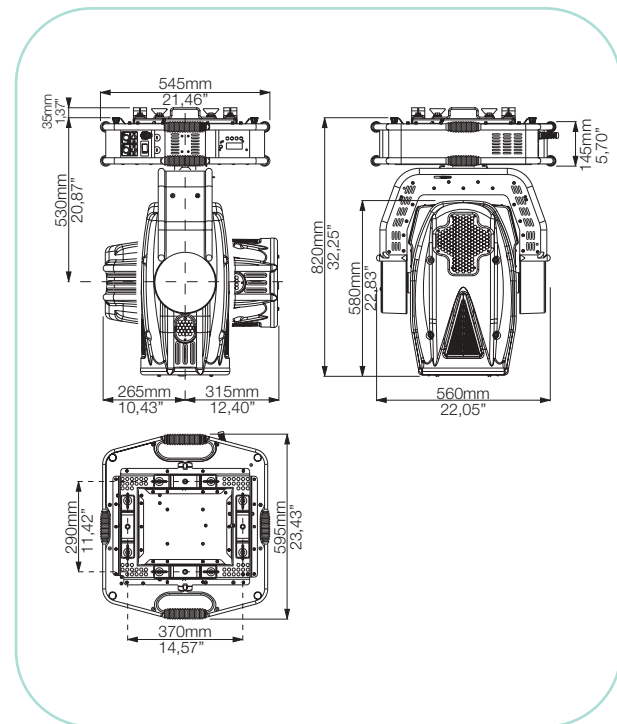


i Wash Flex

Innovation and technology

iWASH FLEX (cod. # 9120)

■ iWash Flex is ideal for lighting the grandest of venues. Its power can readily be appreciated in applications where traditional moving head projectors simply have insufficient power to do the job properly. With **variable luminous output of between 800W and 2000W**, the iWash Flex produces infinite colours. The beam angle is adjustable via proportional zooming and the patented system of internal 4 leaf barndoors. Add to this electronic “zap” strobing, electronic dimming and interchangeable lenses and you have sampled only some of features this luminaire has to offer.



- **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.
- **Lamp:** MSR-2000 SA, 155.000 lm, 6000°K, 750 hours.
- **Ventilation:** forced ventilation temperature control, “Variable Air Flux”™ system (Patented).
- **Optics:** dichroic cold mirror borosilicate reflector, high temperature resistant; 10 lens optical zoom system, optical glass, AR coated. PC + ø 200 mm. lenses. External fine lamp adjustment in the optical system.
- **Zoom:** linear progressive zoom; additional lenses included offer different zoom angles. Optional lens kit for a super concentrated angle. (for more information see lighting diagram)
- **Range of motion:** 500° pan x 252° tilt, 16 bit.
- **Dimmer/Shutter:** mechanical dimmer proportional 0-100%, with fade/pulse, blackout and chaser effect
- **ZAP strobe:** electronic strobe variable 0-100Hz, synchronised, random and pulse effect
- **Color:** full proportional CMY + CTO (colour temperature correction orange) + 8 fixed colours + white on 2 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 brilliance to be maintained.
- **Barndoor framing system (Patented) :** framing system offering four independently variable axial blades with proportional rotation of the assembly through 45°.

- **Communication:** DMX 512 protocol, 22 channels. Bi-directional communication with **dr2**.
- **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).
- **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:** 49kg (109 lb).



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■ The colour module consists of the CMY (cyan, magenta, yellow) colour mixing system, CTO (colour temperature correction) filter, 2 colour wheels with 4 dichroic colours + white and a dimmer. The colour wheel can be readily personalised with selected colours. The specific design of the system, and its positioning in the optical path of the fixture, allows the creation of a unique "color 3D™" effect

■ The Philips MSR-2000 SA **lamp** features a narrow arc gap – only 7mm – thus making it highly efficient as evident by its luminous flux of 155,000 lm. The P3 technology guarantees a long lamp-life, with constant colour temperature, making it ideal for fixtures which are recognised as the leaders in their field.



■ The **PC antihalo ø 200 lens kit (code # KIT89)** is used to generate a super-concentrated beam of light. This allows the illumination of objects at some distance, emulating the familiar "sky tracer" effect.



■ Additional **diffusion lenses** are included to further modify the output for particular applications. Lenses are easily interchangeable due via a unique mechanical locking device.



■ **Modular construction:** All of the modular components are fixed to a side frame and 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.

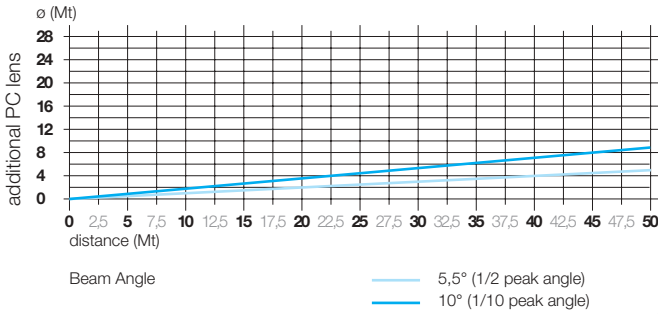


- **Anti-bump profile edging** made of rubber and fused to the housing to protect the fixture against accidental damage.

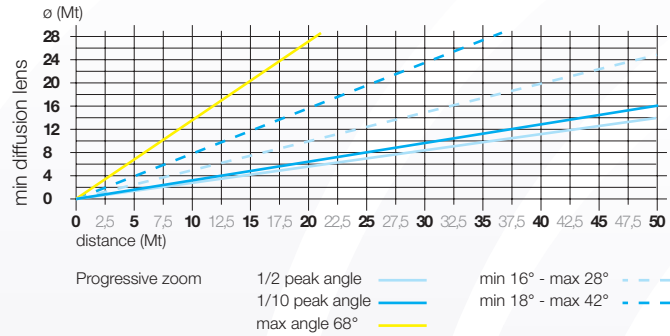
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Light output (lux)	distance (Mt)									
	5	10	15	20	25	30	35	40	45	50
White 2000 W.	180100	45025	20011	11256	7204	5003	3676	2814	2223	1801
White 1250 W.	102800	25700	11422	6425	4112	2856	2098	1606	1269	1028



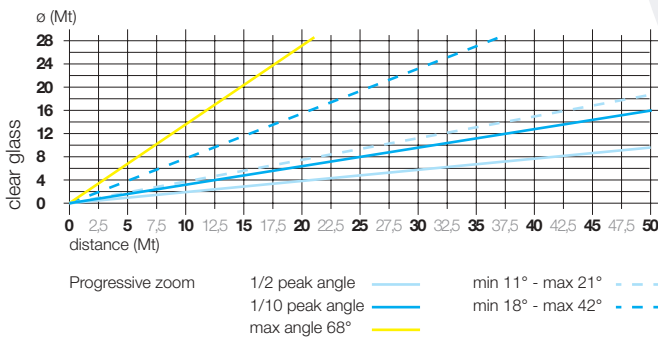
Light output (lux)		distance (Mt)									
		5	10	15	20	25	30	35	40	45	50
White	Max Zoom	8200	2050	911	513	328	228	167	128	101	82
2000 W.	Min Zoom	38000	9500	4222	2375	1520	1056	776	594	469	380
White	Max Zoom	4800	1200	533	300	192	133	98	75	59	48
1250 W.	Min Zoom	21600	5400	2400	1350	864	600	441	338	267	216



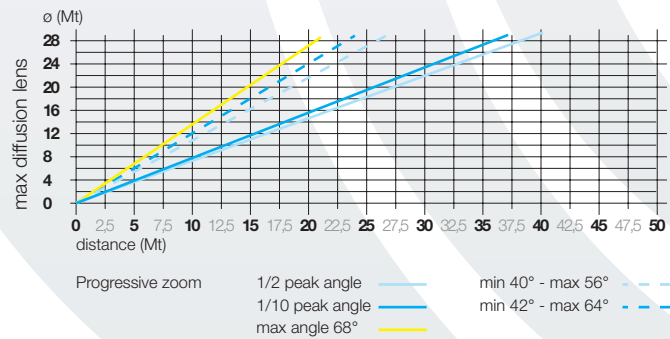
Light output	Zoom min (lux)	distance (Mt)									
		5	10	15	20	25	30	35	40	45	50
Magenta	Best color	10300	2575	1144	644	412	286	210	161	127	103
	Traditional	7010	1753	779	438	280	195	143	110	87	70
Cyan	Best color	78000	19500	8667	4875	3120	2167	1592	1219	963	780
	Traditional	36500	9125	4056	2281	1460	1014	745	570	451	365
Yellow	Best color	60500	15125	6722	3781	2420	1681	1235	945	747	605
	Traditional	60500	15125	6722	3781	2420	1681	1235	945	747	605
Red	Best color	6400	1600	711	400	256	178	131	100	79	64
	Traditional	4300	1075	478	269	172	119	88	67	53	43
Green	Best color	25800	6450	2867	1613	1032	717	527	403	319	258
	Traditional	11300	2825	1256	706	452	314	231	177	140	113

Light output	Zoom min (lux)	distance (Mt)									
		5	10	15	20	25	30	35	40	45	50
Magenta	Best color	2700	675	300	169	108	75	55	42	33	27
	Traditional	1800	450	200	113	72	50	37	28	22	18
Cyan	Best color	15600	3900	1733	975	624	433	318	244	193	156
	Traditional	8300	2075	992	519	332	231	169	130	102	83
Yellow	Best color	13300	3325	1478	831	532	369	271	208	164	133
	Traditional	13300	3325	1478	831	532	369	271	208	164	133
Red	Best color	1940	485	216	121	78	54	40	30	24	19
	Traditional	1300	325	144	81	52	36	27	20	16	13
Green	Best color	4800	1200	533	300	192	133	98	75	59	48
	Traditional	2700	675	300	169	108	75	55	42	33	27

Light output (lux)		distance (Mt)									
		5	10	15	20	25	30	35	40	45	50
White	Max Zoom	8600	2150	956	538	344	239	176	134	106	86
2000 W.	Min Zoom	51100	12775	5678	3194	2044	1419	1043	798	631	511
White	Max Zoom	5108	1277	568	319	204	142	104	80	63	51
1250 W.	Min Zoom	30300	7575	3367	1894	1212	842	618	473	374	303



Light output (lux)		distance (Mt)									
		5	10	15	20	25	30	35	40	45	50
White	Max Zoom	1930	483	214	121	77	54	39	30	24	19
2000 W.	Min Zoom	2250	563	250	141	90	63	46	35	28	23
White	Max Zoom	1090	273	121	68	44	30	22	17	13	11
1250 W.	Min Zoom	1250	313	139	78	50	35	26	20	15	13



Light output	Zoom min (lux)	distance (Mt)									
		5	10	15	20	25	30	35	40	45	50
Magenta	Best color	3200	800	356	200	128	89	65	50	40	32
	Traditional	2200	550	244	138	88	61	45	34	27	22
Cyan	Best color	20800	5200	2311	1300	832	578	424	325	257	208
	Traditional	11400	2850	1267	713	456	317	233	178	141	114
Yellow	Best color	17900	4475	1989	1119	716	497	365	280	221	179
	Traditional	17900	4475	1989	1119	716	497	365	280	221	179
Red	Best color	2150	538	239	134	86	60	44	34	27	22
	Traditional	1612	403	179	101	64	45	33	25	20	16
Green	Best color	6800	1700	756	425	272	189	139	106	84	68
	Traditional	2700	675	300	169	108	76	58	46	37	29

Light output	Zoom min (lux)	distance (Mt)									
		5	10	15	20	25	30	35	40	45	50
Magenta	Best color	187	47	21	12	7	5	4	3	-	-
	Traditional	136	34	15	9	5	4	3	-	-	-
Cyan	Best color	930	233	103	58	37	26	19	15	11	9
	Traditional	462	116	51	29	18	13	9	7	6	5
Yellow	Best color	790	198	88	49	32	22	16	12	10	8
	Traditional	790	198	88	49	32	22	16	12	10	8
Red	Best color	150	38	17	9	6	4	3	-	-	-
	Traditional	107	27	12	7	4	3	-	-	-	-
Green	Best color	310	78	34	19	12	9	6	5	4	3
	Traditional	170	43	19	11	7	5	3	-	-	-

Flex line utilize only Philips MSR-2000 SA lamps