



∞ Infinity M Series
Technical Brochure

Infinity M

Spot, Wash, ACL

“MULTI-lamp” concept

The Infinity M series gives extraordinary continuity to the expansion of the successful Infinity range, and offers the most technologically advanced professional lighting tools, sized in a micro body. Designed to be the next generation of essential moving lights, this family of fixtures introduces the “multiple-lamp” concept.

The technique used for the “MULTI-lamp” system allows the fixture to mount both discharge and halogen lamps, thus expanding dramatically the range of applications in which the fixture can perform, while the concept is making the light ready for energy saving lamps, or any kind of lamps that will be made available in the future.

This key feature, at the request of various service providers, has led to the development of the Infinity M. A product which, in compact dimensions (approximately the size of a 250W moving yoke fixture), may be used as both a 575W and a 700W fixture, two lamp wattages which have now been a standard on the market for years, both with their specific characteristics, meaning known advantages and disadvantages.

With this key flexibility, the Infinity M concludes a unique factor of being compatible with the international riders both as a 575W and as a 700W unit, eliminating the need to stock both models for the rental companies that are in the position to follow the specifications more than make them, while making the most out of a small, fully featured, professional fixture. Technically, Coemar utilizes its own patent US 6.953,269 B2, which allows the dimmer-ability of the air flux according to the power absorbed by the lamp, and makes the most of a technologically advanced electronic ballast which digitally adjusts to the lamp installed in the fixture.



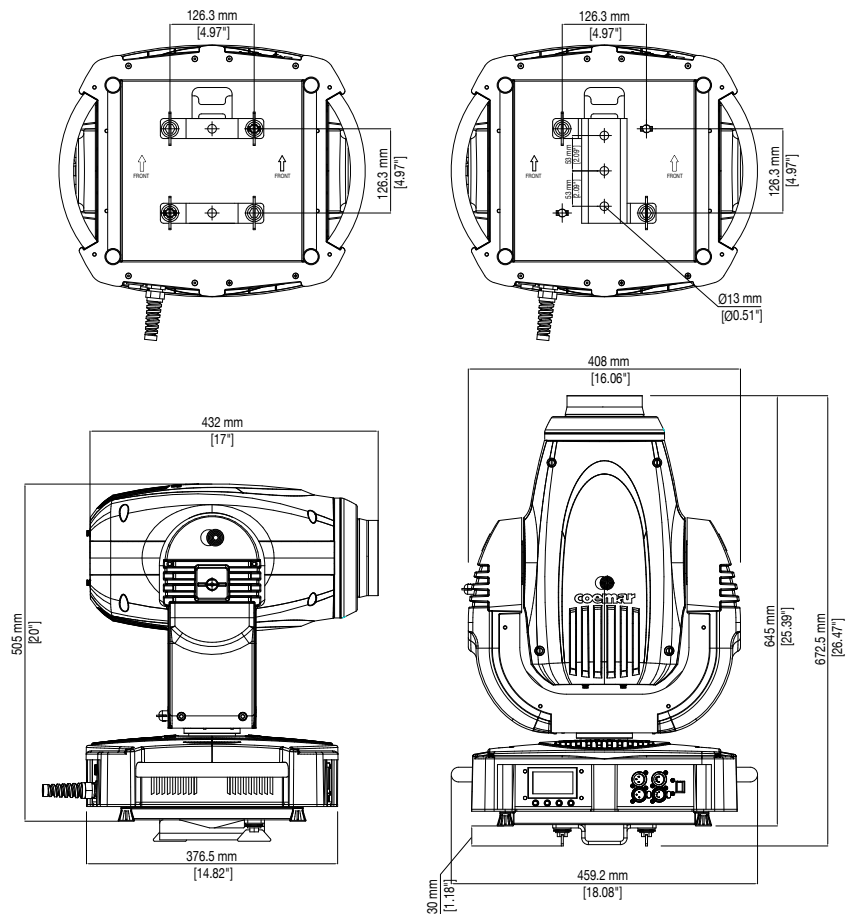
∞Infinity Spot M

Infinity Spot M - Technical Data

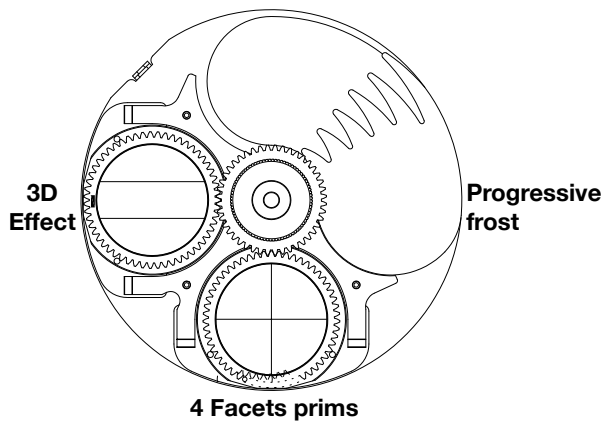
Control Channels (16 bit control)

01. pan
02. pan fine
03. tilt
04. tilt fine
05. movement speed
06. dimmer
07. strobe, shutter and zap effect
08. iris
09. zoom
10. focus
11. aerial gobo
12. indexing gobo rotation through 360°
13. fine indexing of the gobos 16 bit
14. gobo rotation
15. break up gobo
16. effects selection
17. effect index-rotation through 360°
18. color wheel
19. cyan
20. magenta
21. yellow
22. zap effect
23. gobo effect
24. lamp on/off and motors reset

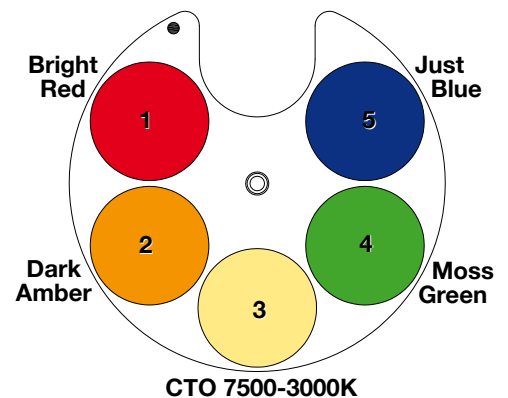
Drawing Size



Prisms Wheel



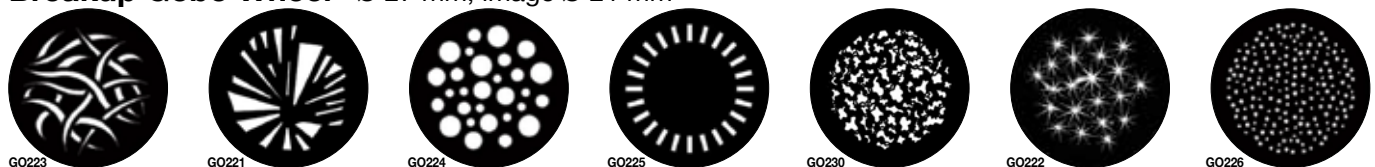
Colour Wheel



Aerial Gobo Wheel - Ø 27 mm, image Ø 21 mm



Breakup Gobo Wheel - Ø 27 mm, image Ø 21 mm



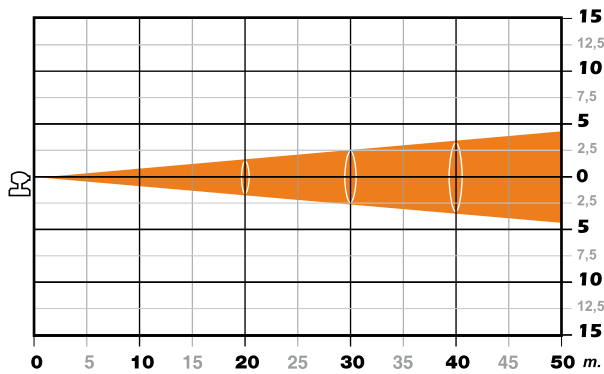
Infinity Spot M - Technical Data

Photometric Data

Lamp Philips MSR Gold 575/2

Zoom min.

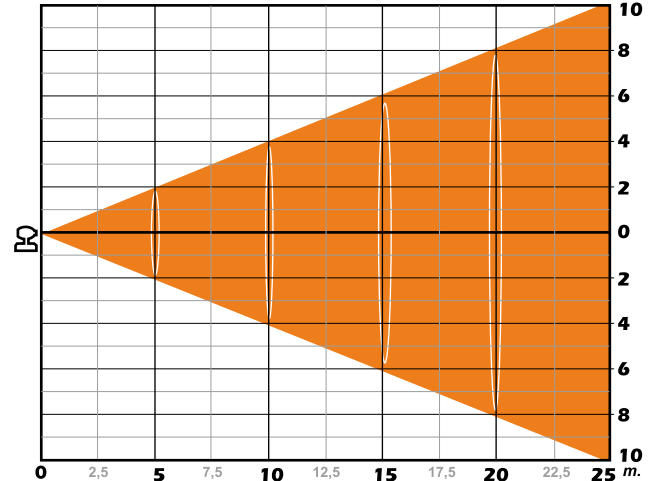
Distance (m.)	5	10	15	20	25	30	35	40	45	50	Lumen
Luminous emittance (Lux)	31200	7800	3467	1950	1248	867	637	488	457	370	18649
ø m.	0,87	1,75	2,62	3,50	4,37	5,25	6,12	7	7,87	8,75	



Angle: 10°

Zoom max.

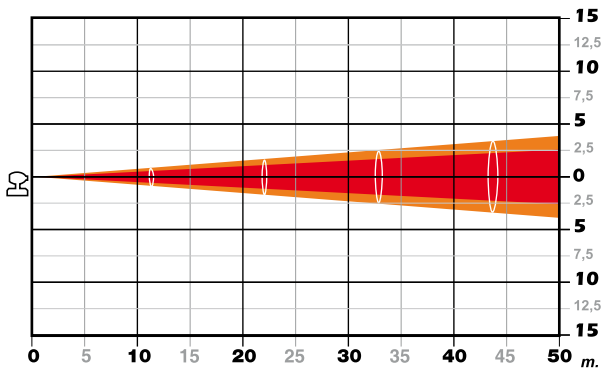
Distance (m.)	2,5	5	7,5	10	12,5	15	17,5	20	22,5	25	Lumen
Luminous emittance (Lux)	7360	1840	818	460	294	204	150	115	91	74	21017
ø m.	2	4	6	8	10	12	14	16	18	20	



Angle: 44°

Zoom min. with Frost

Distance (m.)	5	10	15	20	25	30	35	40	45	50	Lumen
Luminous emittance (Lux)	25000	6250	2778	1563	1000	694	510	391	309	250	4857
1/2 peak angle ø (m.)	0,5	1	1,49	2	2,49	3	3,48	3,98	4,48	4,98	
1/10 peak angle ø (m.)	0,87	1,75	2,62	3,50	4,37	5,25	6,12	7	7,87	8,75	

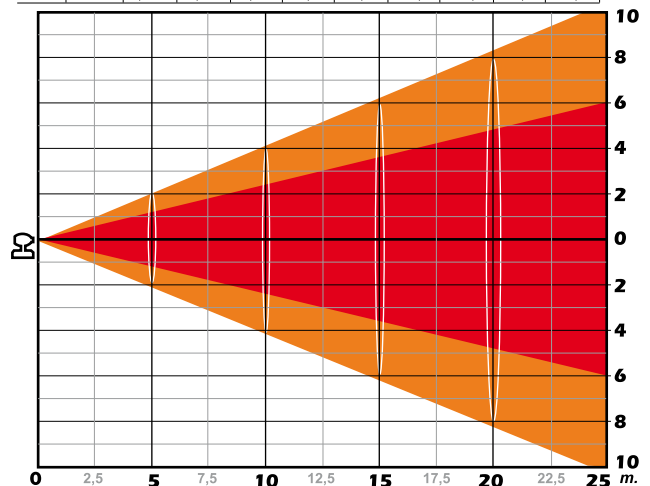


1/2 peak angle: 5,7°

1/10 peak angle: 10°

Zoom max. with Frost

Distance (m.)	2,5	5	7,5	10	12,5	15	17,5	20	22,5	25	Lumen
Luminous emittance (Lux)	6000	1500	667	375	240	167	122	94	74	60	6510
1/2 peak angle ø (m.)	1,20	2,40	3,60	4,80	6	7,20	8,40	9,60	10,8	12	
1/10 peak angle ø (m.)	2	4,14	6,21	8,28	10,36	12,43	14,5	16,6	18,7	20,7	



1/2 peak angle: 27°

1/10 peak angle: 45°

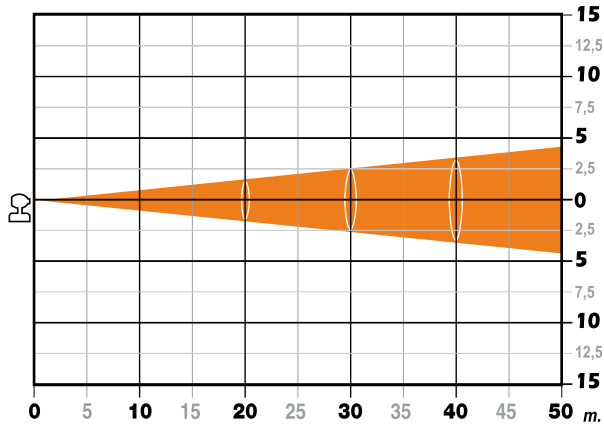
Infinity Spot M - Technical Data

Photometric Data

Lamp Philips MSR Gold 700/2

Zoom min.

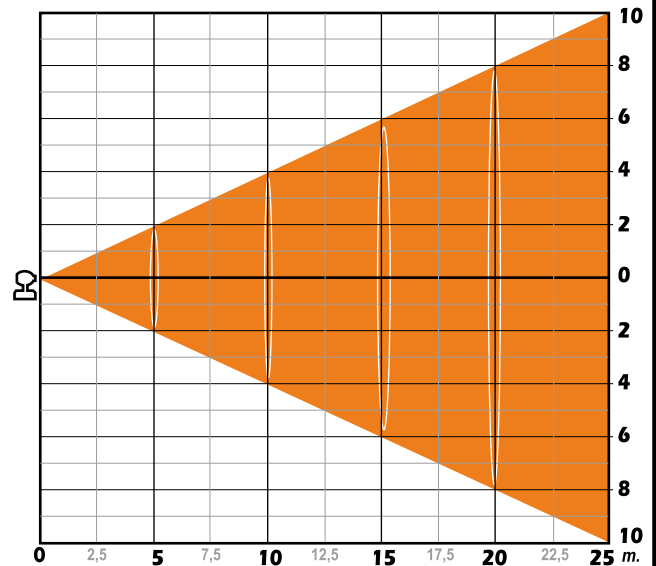
Distance (m.)	5	10	15	20	25	30	35	40	45	50	Lumen
Luminous emittance (Lux)	38502	9626	4278	2406	1540	1070	786	602	475	385	23010
ø m.	0,87	1,75	2,62	3,50	4,37	5,25	6,12	7	7,87	8,75	



Angle: 10°

Zoom max.

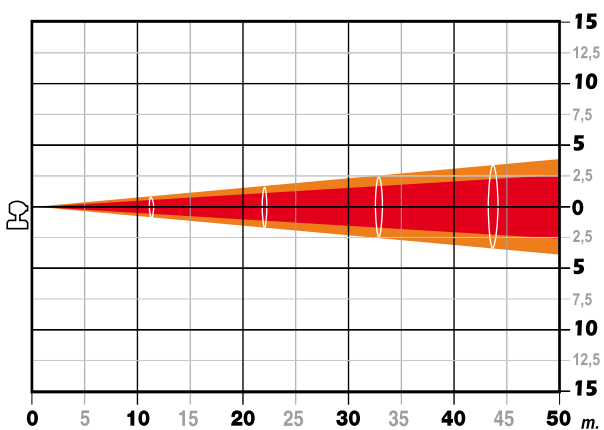
Distance (m.)	2,5	5	7,5	10	12,5	15	17,5	20	22,5	25	Lumen
Luminous emittance (Lux)	8240	2060	916	515	330	229	168	129	102	82	23562
ø m.	2	4	6	8	10	12	14	16	18	20	



Angle: 44°

Zoom min. with Frost

Distance (m.)	5	10	15	20	25	30	35	40	45	50	Lumen
Luminous emittance (Lux)	30000	7500	3333	1875	1200	833	612	469	370	300	5828
1/2 peak angle ø (m.)	0,5	1	1,49	2	2,49	3	3,48	3,98	4,48	4,98	
1/10 peak angle ø (m.)	0,87	1,75	2,62	3,50	4,37	5,25	6,12	7	7,87	8,75	

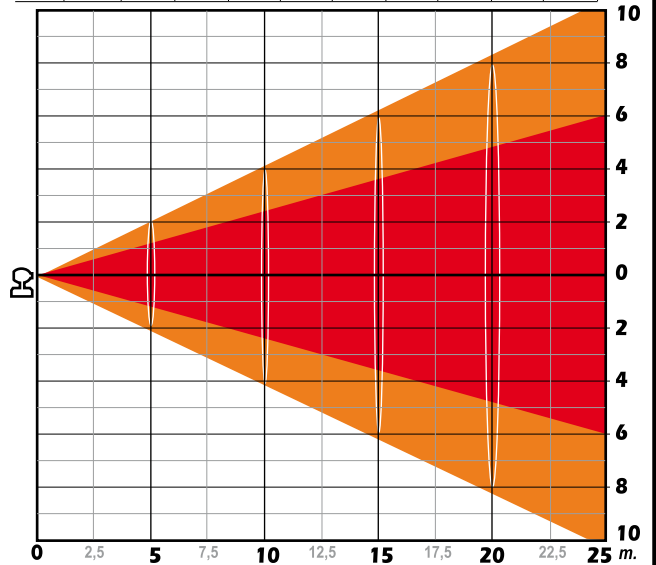


1/2 peak angle: 5,7°

1/10 peak angle: 10°

Zoom max. with Frost

Distance (m.)	2,5	5	7,5	10	12,5	15	17,5	20	22,5	25	Lumen
Luminous emittance (Lux)	6640	1660	738	415	266	184	136	104	82	66	7215
1/2 peak angle ø (m.)	1,20	2,40	3,60	4,80	6	7,20	8,40	9,60	10,8	12	
1/10 peak angle ø (m.)	2	4,14	6,21	8,28	10,36	12,43	14,5	16,6	18,7	20,7	



1/2 peak angle: 27°

1/10 peak angle: 45°



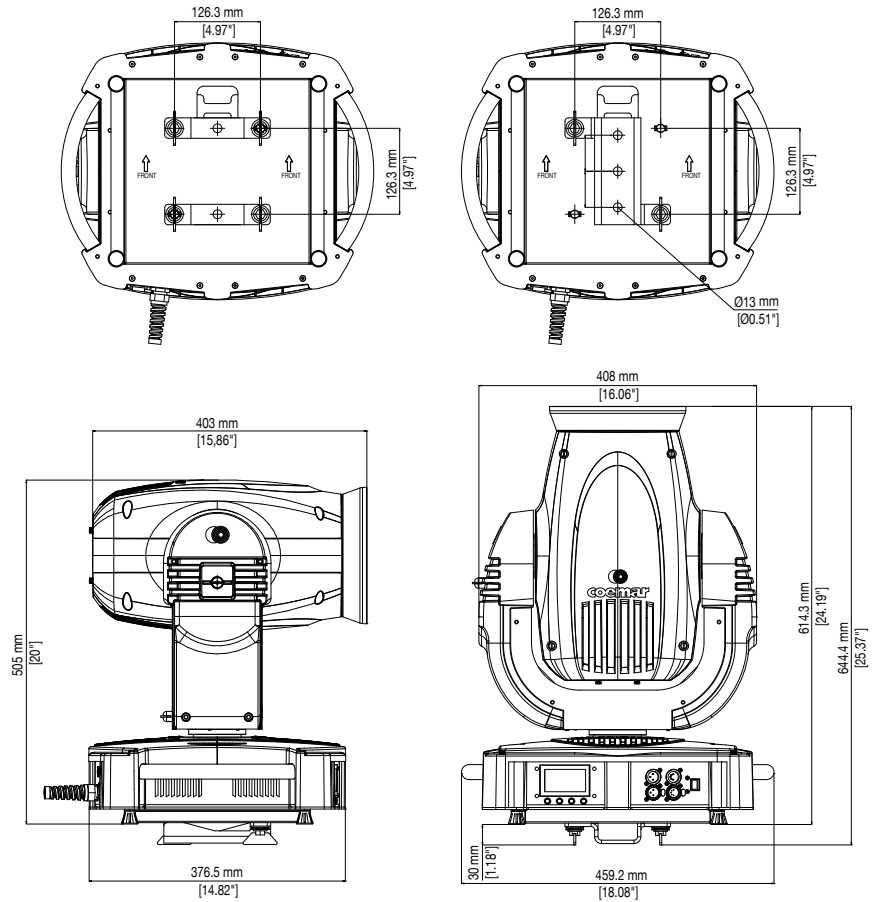
∞Infinity ACL M

Infinity ACL M - Technical Data

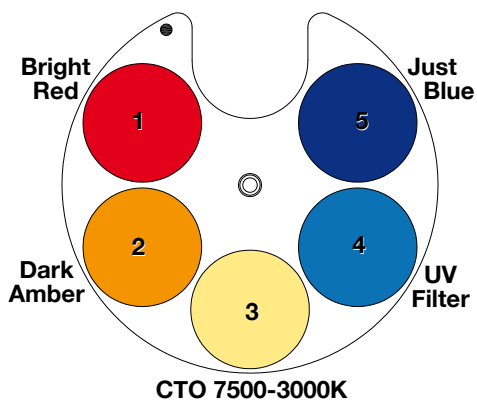
Control Channels (16 bit control)

01. pan
02. pan fine
03. tilt
04. tilt fine
05. movement speed
06. dimmer
07. strobe, shutter and zap effect
08. iris
09. aerial gobo
10. indexing gobo rotation through 360°
11. fine indexing of the gobos 16 bit
12. gobo rotation
13. frost
14. color wheel
15. cyan
16. magenta
17. yellow
18. zap effect
19. gobo effect
20. lamp on/off and motors reset

Drawing Size



Colour Wheel



Aerial Gobo Wheel - Ø 27 mm, image Ø 21 mm



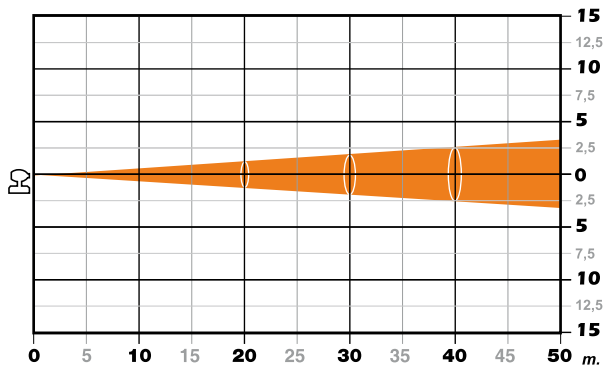
Infinity ACL M - Technical Data

Photometric Data

Lamp Philips MSR Gold 700/2

Variable beam angle (max size)

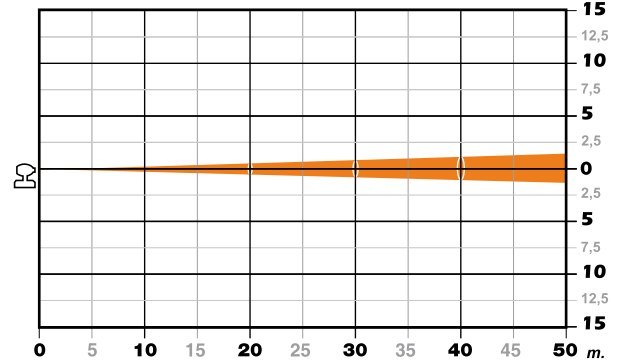
Distance (m.)	5	10	15	20	25	30	35	40	45	50	Lumen
Luminous emittance (Lux)	424000	106000	47111	26500	16960	11778	8653	6625	5235	4240	124225
ϕ m.	0,61	1,22	1,83	2,45	3,06	3,67	4,28	4,89	5,50	6,12	



Angle: 7°

Variable beam angle (min size)

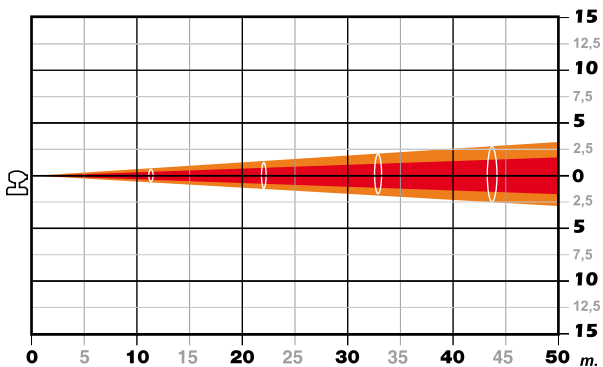
(m.)	5	10	15	20	25	30	35	40	45	50	Lumen
(Lux)	420000	105000	46667	26250	16800	11667	8571	6563	5185	4200	22607
m.	0,26	0,52	0,79	1,05	1,31	1,57	1,83	2,09	2,36	2,62	



Angle: 3°

Frost 1st step

Distance (m.)	5	10	15	20	25	30	35	40	45	50	Lumen
Luminous emittance (Lux)	120000	30000	13333	7500	4800	3333	2449	1875	1481	1200	11482
1/2 peak angle α (m.)	0,35	0,70	1,05	1,40	1,75	2,10	2,44	2,79	3,14	3,49	
1/10 peak angle α (m.)	0,61	1,22	1,83	2,45	3,06	3,67	4,28	4,87	5,50	6,12	

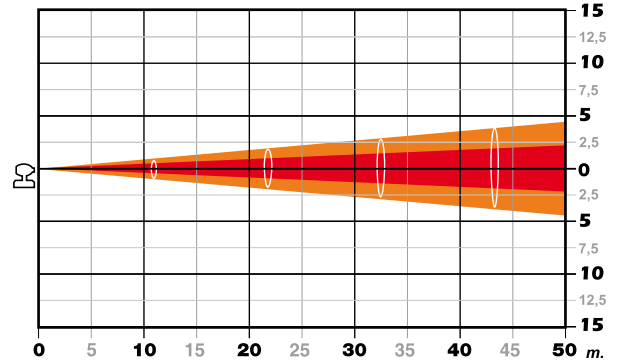


1/2 peak angle: 4°

1/10 peak angle: 7°

Frost 2nd step

Distance (m.)	5	10	15	20	25	30	35	40	45	50	Lumen
Luminous emittance (Lux)	66800	16700	7442	4175	2672	1856	1363	1044	825	668	9986
1/2 peak angle α (m.)	0,44	0,87	1,31	1,75	2,18	2,62	3,06	3,49	3,93	4,37	
1/10 peak angle α (m.)	0,87	1,75	2,62	3,50	4,37	5,25	6,12	7	7,87	8,75	



1/2 peak angle: 5°

1/10 peak angle: 10°



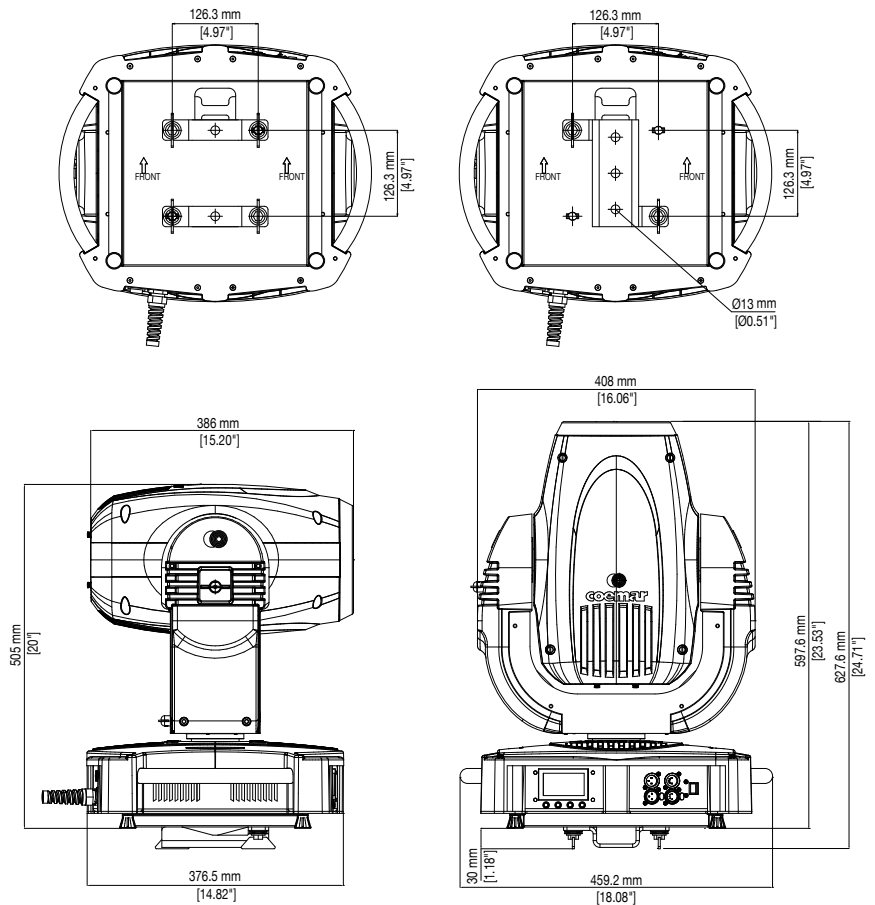
∞Infinity Wash M

Infinity Wash M - Technical Data

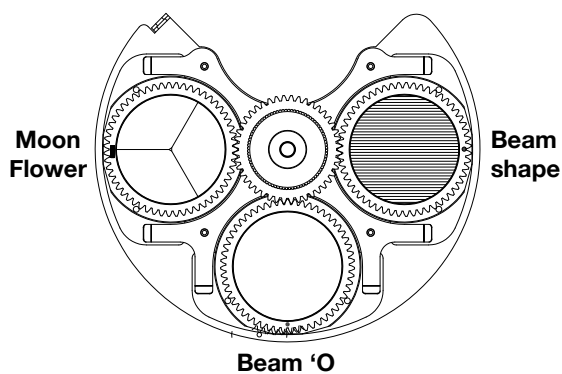
Control Channels (16 bit control)

01. pan
02. pan fine
03. tilt
04. tilt fine
05. movement speed
06. dimmer
07. strobe, shutter and zap effect
08. zoom
09. zoom range
10. no effect
11. effect wheel
12. indexing effect rotation through 360°
13. colour wheel
14. cyan
15. magenta
16. yellow
17. zap effect
18. lamp on/off and motors reset

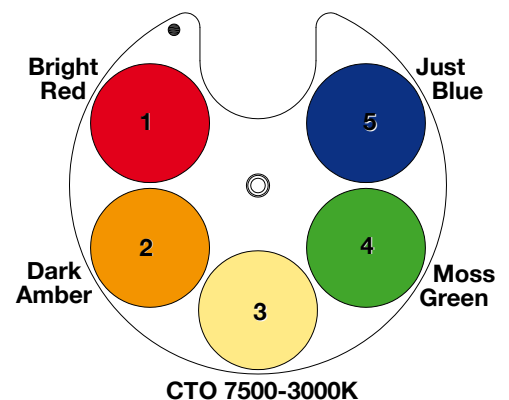
Drawing Size



Prisms Wheel



Colour Wheel



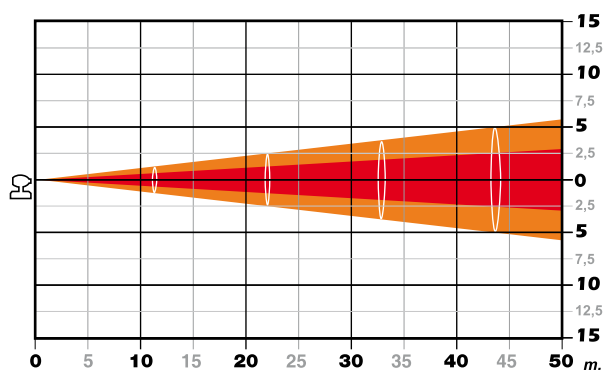
Infinity Wash M - Technical Data

Photometric Data

Lamp Philips MSR Gold 700/2

Zoom min. 2X

Distance (m.)	5	10	15	20	25	30	35	40	45	50	Lumen
Luminous emittance (Lux)	35361	18000	8000	4500	2880	2000	1469	1125	889	720	15499
1/2 peak angle α (m.)	0,52	1,04	1,56	2,07	2,59	3,11	3,63	4,15	4,67	5,19	
1/10 peak angle α (m.)	1,15	2,31	3,46	4,62	5,77	6,93	8,08	9,23	10,39	11,54	

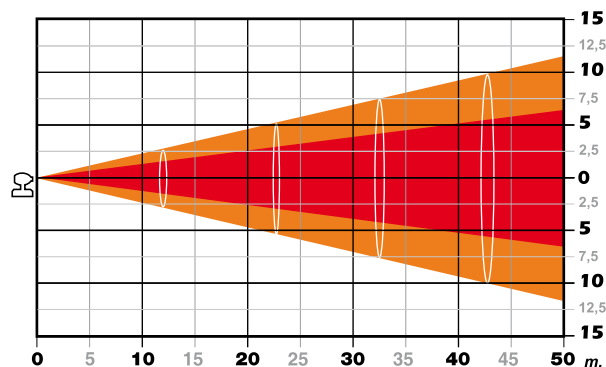


1/2 peak angle: 6°

1/10 peak angle: 13°

Zoom max 2X

Distance (m.)	5	10	15	20	25	30	35	40	45	50	Lumen
Luminous emittance (Lux)	9010	2253	1001	563	360	250	184	141	111	90	10549
1/2 peak angle α (m.)	1,30	2,59	3,89	5,19	6,49	7,78	9,08	10,38	11,68	12,97	
1/10 peak angle α (m.)	2,29	4,59	6,88	9,18	11,47	13,77	16,06	18,35	20,65	22,94	

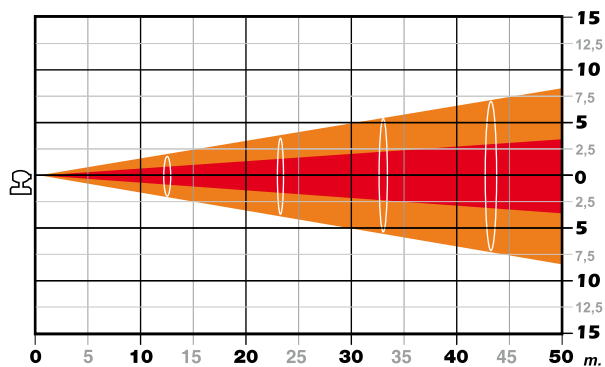


1/2 peak angle: 14°

1/10 peak angle: 26°

Zoom min. 3X

Distance (m.)	5	10	15	20	25	30	35	40	45	50	Lumen
Luminous emittance (Lux)	35361	8840	3929	2210	1414	982	722	553	437	354	13526
1/2 peak angle α (m.)	0,70	1,39	2,09	2,79	3,48	4,18	4,88	5,57	6,27	6,97	
1/10 peak angle α (m.)	1,65	3,30	4,96	6,61	8,26	9,91	11,57	13,22	14,87	16,52	

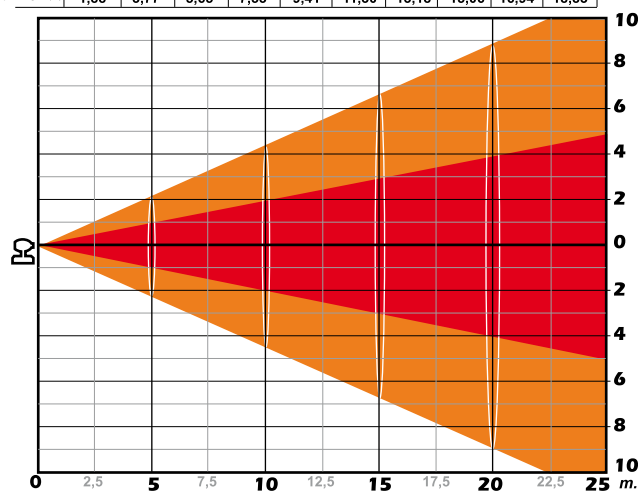


1/2 peak angle: 8°

1/10 peak angle: 18°

Zoom max. 3X

Distance (m.)	2,5	5	7,5	10	12,5	15	17,5	20	22,5	25	Lumen
Luminous emittance (Lux)	12164	3041	1352	760	487	338	248	190	150	122	8784
1/2 peak angle α (m.)	1,08	2,17	3,25	4,33	5,42	6,50	7,58	8,67	9,75	10,84	
1/10 peak angle α (m.)	1,88	3,77	5,65	7,53	9,41	11,30	13,18	15,06	16,94	18,83	



1/2 peak angle: 22°

1/10 peak angle: 42°

Technical Data		infinity Spot M	infinity Wash M	infinity ACL M
Lamp	Lamp Type	CSR 700TAL	CSR 700TAL	CSR 700TAL
	Multilamp Technology	•	•	•
	Color Temperature (K)	7.400	7.400	7.400
	CRI (color rendering index)	71	71	71
	Average Life (h)	750	750	750
	Socket	PGJX28	PGJX28	PGJX28
Ballast	Digital Electronic Ballast	•	•	•
	Lamp type selectable via display	•	•	•
	Temperature monitoring	•	•	•
	Selectable output frequency	•	•	•
	Flicker Free light	•	•	•
	Firmware Upload via DMX	•	•	•
Electrical	AC Power (Auto-ranging)	90-260V 50/60Hz	90-260V 50/60Hz	90-260V 50/60Hz
	Power Consumption	4.5A @ 230	4.5A @ 230	4.5A @ 230
	Main Fuses	2 T12+1 T3	2 T12+1 T3	2 T12+1 T3
Colors	CMY color mixing (2 different selectable curves)	•	•	•
	Color Wheel with replaceable positions	1 (5 colors + white)	1 (5 colors + white)	1 (5 colors + white)
	CTO filter	1 (3000K)	1 (3000K)	1 (3000K)
Effects	Aerial Rotating Gobos (indexable and interchangeable)	7		7
	Fine indexing of the gobos 16 bit	•		•
	Breakup interchangeable static Gobos	7		
	Rotating interchangeable Prism	3	2	
	Film Frame Effect	•		•
	Auto Focusing	•		
	Linear Zoom	9° - 42°	4°-24°	
	Variable beam			from 3° to 7°
	Iris (linear or pulse mode)	•		•
	Proportional Frost	•		
	Pro	•		•
	Beamshaper 360° (Patent Pending)		•	
	Moon Flower effect (Patent Pending)		•	
	Beam 'O' effect (Patent Pending)		•	
	Linear Dimmer (mechanical+electronic)	•	•	•
	Selectable dimmer curves (Tungsten/Xenon)	•	•	•
	Mechanical and Electronic strobe (Zap effect)	•	•	•
Control and Programming	Ethernet, Artnet compatible	•	•	•
	Artnet to DMX converter	•	•	•
	DMX control channels	23/24	18	19/20
	3 and 5-pin XLR connector for DMX	•	•	•
	Display remotable via DMX (with DR1 plus)	•	•	•
	Firmware Upload via DMX (with DR1 plus)	•	•	•
	Electronic monitoring of all parameter status with error alarm	•	•	•
	LCD display	•	•	•
	Electronic cooling system control	•	•	•
Physical	Modular construction	•	•	•
	Pan and Tilt locks	•	•	•
	Weight (Kg/lbs)	27Kg / 59lbs	25Kg / 55lbs	25Kg / 55lbs
	Dimensions LxWxH (mm/in)	459x377x645 (18.1"x14.8"x25.4")	459x377x597 (18.1"x14.8"x23.5")	459x377x614 (18.1"x14.8"x24.2")