

Technical Brochure



Infinity ACL M

Infinity Series

KEY FEATURES

- “MULTI-lamp” ready (Patented)
- **Tungsten and discharge lamps compatible for multiple applications**
- Variable beam control with rotating areal effects
- Wash “frosted” look
- **Focuseable black-light**
- Split color beam effect
- Cinema effect
- Artnet ready
- New digital ballast technology

Infinity ACL M

SPECIFICATIONS

5 colors + open
CTO filter
UV effect
7 rotating aerial effects + open
Film frame effect
Proportional zoom 3° - 7°
Proportional frost
Dimmer
Mechanical strobe, electronic strobe (zap effect), synchronized, random, pulse effect
Modular design for easy maintenance and servicing
Pan 540°, Tilt 284°, 16 bit

PHYSICAL SIZE

Length: 459 mm (18.1 in)
Width: 377 mm (14.8 in)
Height: 612 mm (24.1 in), head straight up
Weight: 25 Kg (55.0 lbs)

LAMP AND BALLAST

Type: Philips MSR Gold 575/2, Philips MSR Gold 700/2
Mini FastFit, MULTI-lamp ready
Color temperature: 7400 Kelvin
Color rendering index: 71
Average lamp life: 750 hours
Socket: PGJX28
Digital electronic ballast with Power Factor Correction

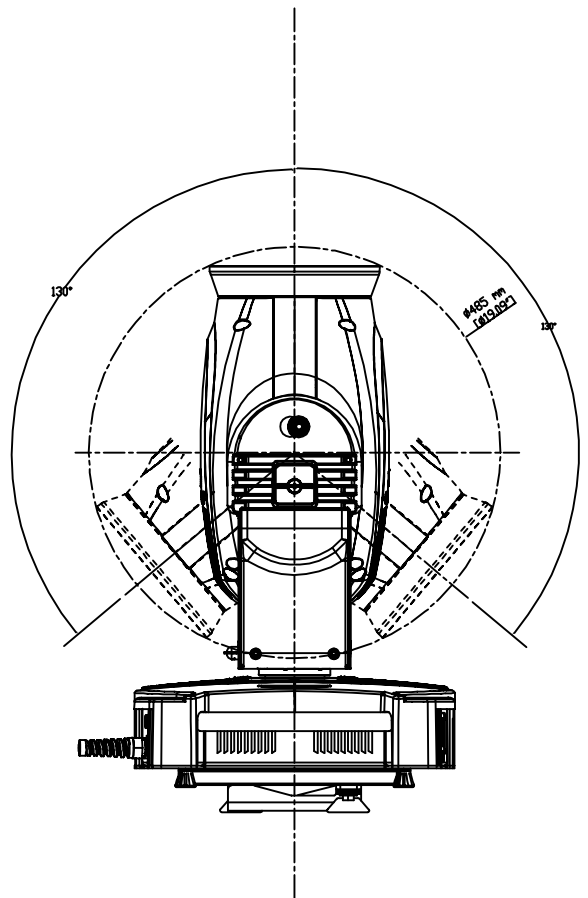
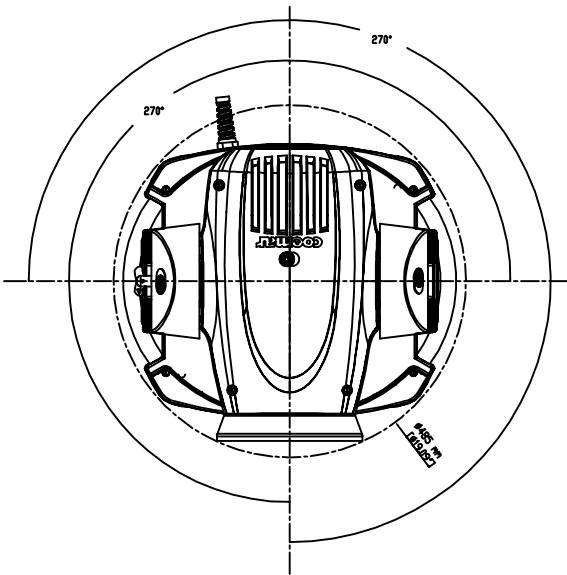
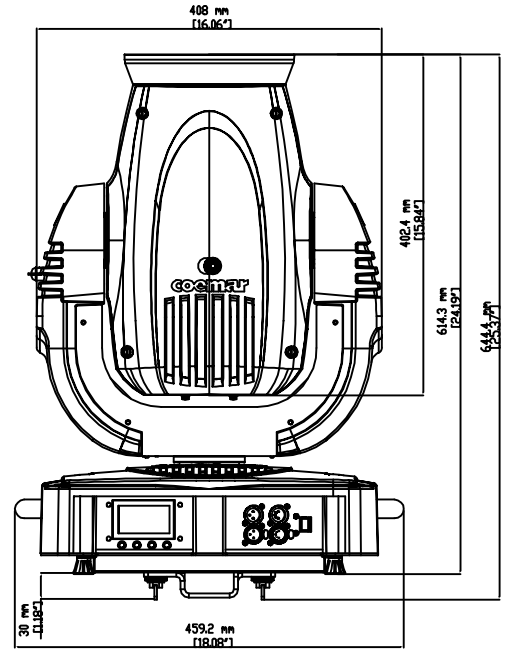
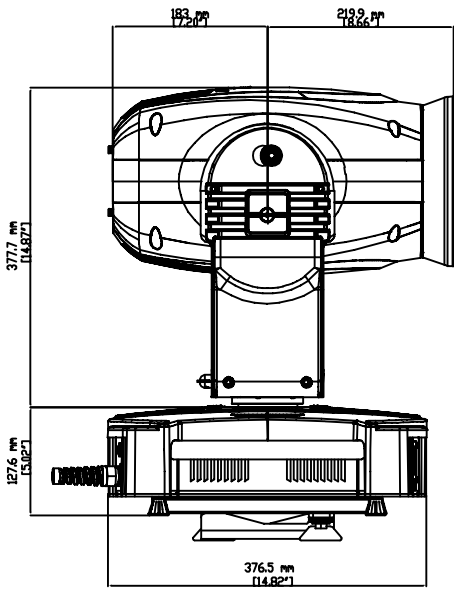
CONTROL PROTOCOL AND PROGRAMMING

USITT DMX512A
Artnet, Artnet to DMX converter
DMX Channels: 19/20
Setting and addressing: LCD display or remotely

ELECTRICAL SPECIFICATIONS/CONNECTIONS

AC power: 90-260 V, auto sensing, 50/60 Hz, 2 m (6.6 ft) integral cable without power plug
Power consumption (with MSR Gold 700/2): 4.5 A at 230 V, 9.5 A at 115 V
DMX data in/out: 3 pin and 5 pin locking XLR
Ethernet RJ45 port

Infinity ACL M - Drawing Size



Infinity ACL M - DMX Chart

DMX Chart 20 Channels (16 bit)	
channel	effect
1	X axis, base movement (pan) coarse
2	X axis, base movement (pan) fine
3	Y axis, yoke movement (tilt) coarse
4	Y axis, yoke movement (tilt) fine
5	movement speed
6	dimmer
7	strobe, shutter and zap effect
7	strobe, shutter-profile
Note 1: zoom effect channel is active with effect wheel selection	
8	iris diaphragm (LIN-Linear)
8	iris diaphragm (with internal PULS effect)
Note 2: the iris diaphragm operation will vary according to the selection made for IRIS on the display panel (linear LIN or with internal PULS effect)	
9	aerial gobo selection (standard)
9	aerial gobo selection 9 (effect activated from channel 19/18)
Note 3: channel 9 will vary according to the selection made for channel 19 (16 bit) / 18 (8 bit)	
10	indexing gobo rotation through 360°
11	fine indexing of the gobos 16 bit
12	gobo rotation
13	frost
13	frost
Note 5: frost channel will vary according to the selection made from display function	
14	color wheel selection
15	cyan
16	magenta
17	yellow
18	zap effect (effect varies depending upon channel 7 strobe)
18	halogen dimmer curve (effect varies depending upon channel 6 dimmer)
Note 6: when using halogen lamp, channel 18 (16 bit) / 17 (8 bit), allow the selection of the curve which can be a combination of the characteristic dimming lamp and/or mechanical dimmer	

DMX Chart 20 Channels (16 bit)	
channel	effect
19	gobo effect selection
20	lamp on/off and motors reset
Note 7: the display panel may be used to disable the switching off of the lamp via DMX	
Note 8: turning off the lamp and all reset functions are delayed by 6 seconds to prevent accidental activation	
Note 9: the lamp on/off function can only be effected if an opposite level is set	

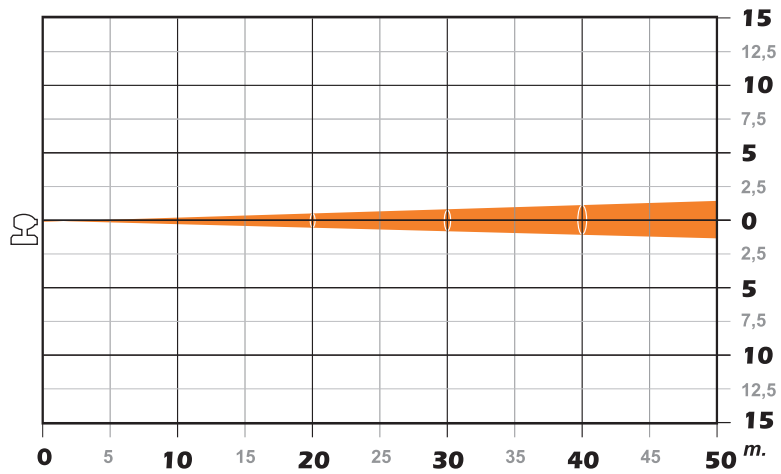
Infinity ACL M - DMX Chart

DMX Chart 19 Channels (8 bit)	
channel	effect
1	X axis, base movement (pan) coarse
2	X axis, base movement (pan) fine
3	Y axis, yoke movement (tilt) coarse
4	Y axis, yoke movement (tilt) fine
5	movement speed
6	dimmer
7	strobe, shutter and zap effect
7	strobe, shutter-profile
Note 1: zoom effect channel is active with effect wheel selection	
8	iris diaphragm (LIN-Linear)
8	iris diaphragm (with internal PULS effect)
Note 2: the iris diaphragm operation will vary according to the selection made for IRIS on the display panel (linear LIN or with internal PULS effect)	
9	aerial gobo selection (standard)
9	aerial gobo selection 9 (effect activated from channel 19/18)
Note 3: channel 9 will vary according to the selection made for channel 19 (16 bit) / 18 (8 bit)	
10	indexing gobo rotation through 360°
11	gobo rotation
12	frost
12	frost
Note 5: frost channel will vary according to the selection made from display function	
13	color wheel selection
14	cyan
15	magenta
16	yellow
17	zap effect (effect varies depending upon channel 7 strobe)
17	halogen dimmer curve (effect varies depending upon channel 6 dimmer)
Note 6: when using halogen lamp, channel 18 (16 bit) / 17 (8 bit), allow the selection of the curve which can be a combination of the characteristic dimming lamp and/or mechanical dimmer	

18	gobo effect selection
19	lamp on/off and motors reset
Note 7: the display panel may be used to disable the switching off of the lamp via DMX	
Note 8: turning off the lamp and all reset functions are delayed by 6 seconds to prevent accidental activation	
Note 9: the lamp on/off function can only be effected if an opposite level is set	

Variable beam angle (min size)

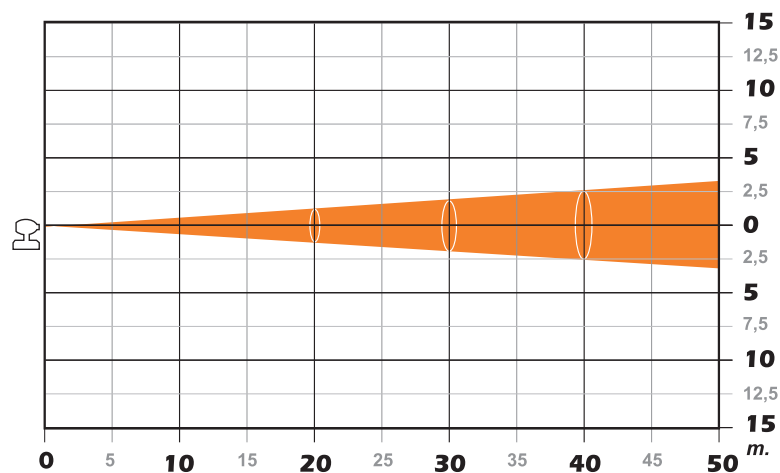
Distance (m.)	5	10	15	20	25	30	35	40	45	50	Lumen
Luminous emittance (Lux)	20300	5075	2256	1269	812	564	414	317	251	203	1092
ø m.	0,26	0,52	0,79	1,05	1,31	1,57	1,83	2,09	2,36	2,62	



Angle: 3°

Variable beam angle (max size)

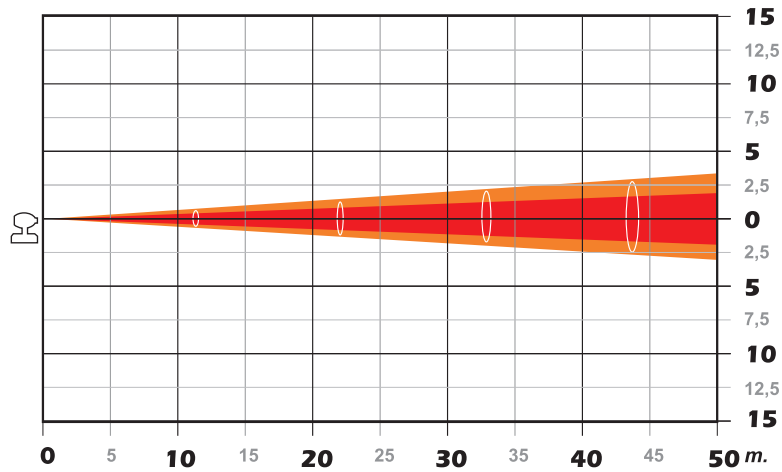
Distance (m.)	5	10	15	20	25	30	35	40	45	50	Lumen
Luminous emittance (Lux)	20300	5075	2256	1269	812	564	414	317	251	203	5947
ø m.	0,61	1,22	1,83	2,45	3,06	3,67	4,28	4,89	5,50	6,12	



Angle: 7°

Frost 1st step

Distance (m.)	5	10	15	20	25	30	35	40	45	50	Lumen
Luminous emittance (Lux)	12350	3088	1372	772	494	343	252	193	152	124	1846
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)	0,70	1,40	2,10	2,80	3,50	4,20	4,89	5,59	6,29	6,99	

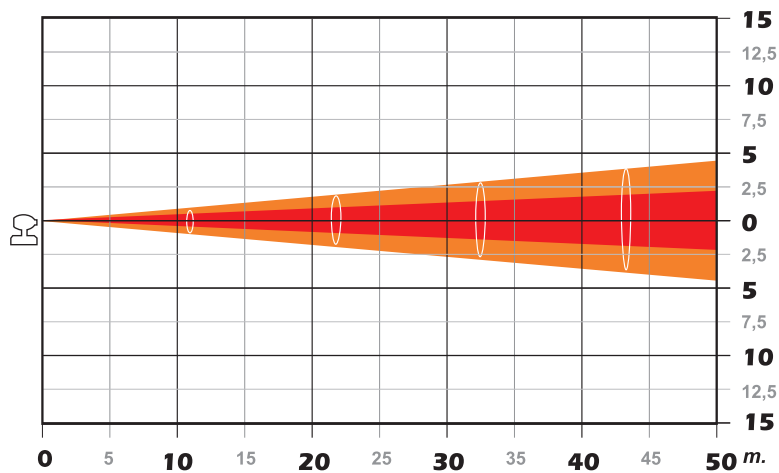


1/2 peak angle: 5°

1/10 peak angle: 8°

Frost 2nd step

Distance (m.)	5	10	15	20	25	30	35	40	45	50	Lumen
Luminous emittance (Lux)	7730	1933	859	483	309	215	158	121	95	77	1155
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	

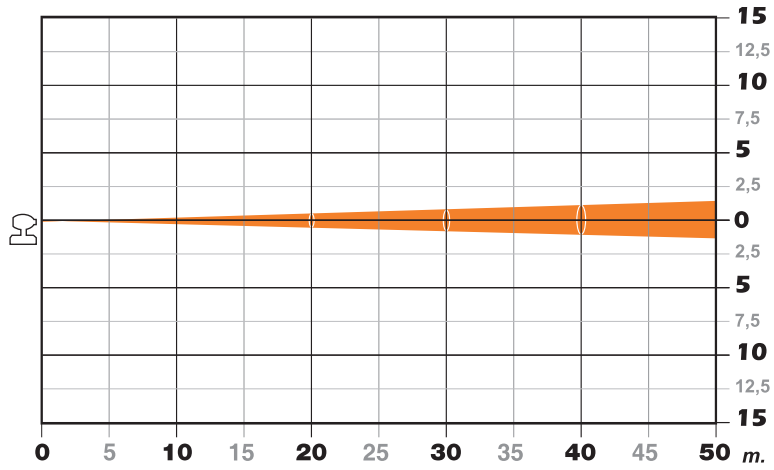


1/2 peak angle: 5°

1/10 peak angle: 10°

Variable beam angle (min size)

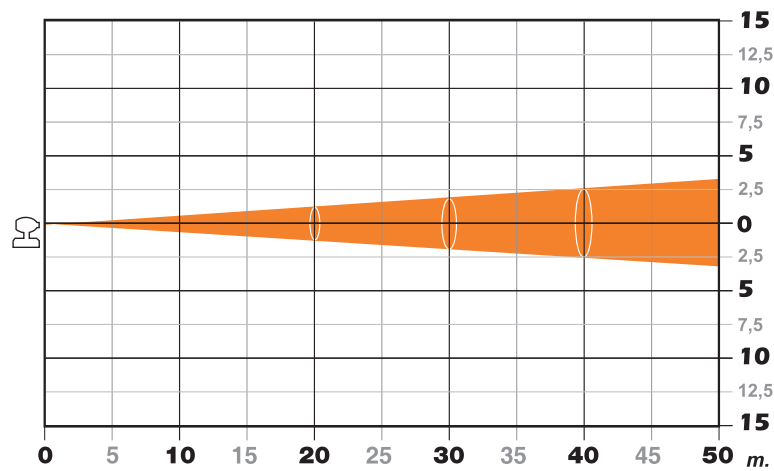
Distance (m.)	5	10	15	20	25	30	35	40	45	50	Lumen
Luminous emittance (Lux)	420000	105000	46667	26250	16800	11667	8571	6563	5185	4200	22607
∅ m.	0,26	0,52	0,79	1,05	1,31	1,57	1,83	2,09	2,36	2,62	



Angle: 3°

Variable beam angle (max size)

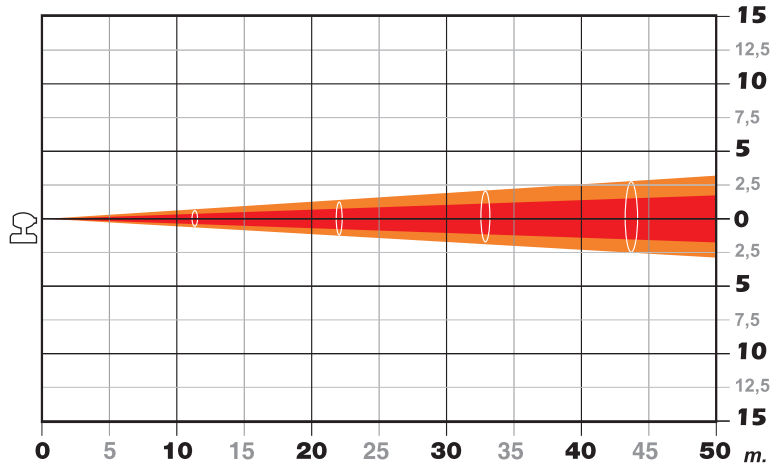
Distance (m.)	5	10	15	20	25	30	35	40	45	50	Lumen
Luminous emittance (Lux)	424000	106000	47111	26500	16960	11778	8653	6625	5235	4240	124225
∅ m.	0,61	1,22	1,83	2,45	3,06	3,67	4,28	4,89	5,50	8,75	



Angle: 7°

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	

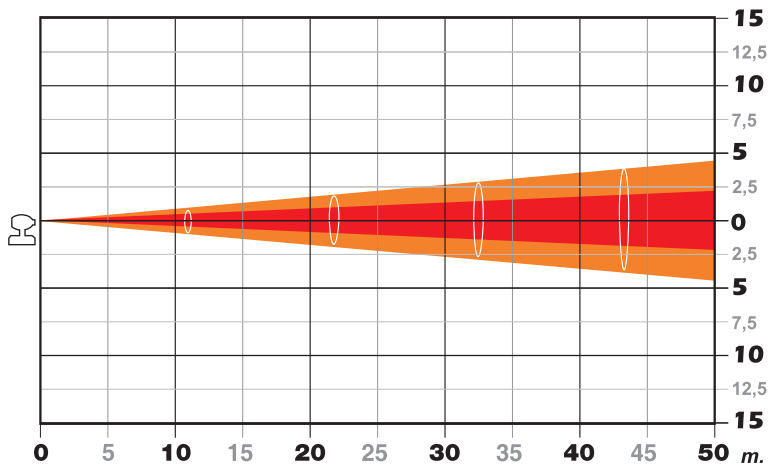


1/2 peak angle: 4°

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°



Coemar Lighting Srl
Via Carpenedolo, 90
46043 Castiglione delle Stiviere
Mantova - Italy
ph. +39 0376 1514412
fax. +39 0376 1514380

info@coemar.com
www.coemar.com