

COLORBEAM 12



General Description:

Colorbeam 12 is powered by 36 1W LED, providing a even wider beaming angle, farther distance, and brighter color-bringing a totally different light experience. With DMX controller, Blast emits 16,777,216 kinds of colors and its effect can be designed to the request of user. Aluminum die cast, steel-glassed surface cover, and waterproof design enables Blast can work easily in various conditions and environments. Each 36 1W LED has its lens to ensure a beaming distance of 39" feet (12 meters) and its max effective distance is 130 feet (40 meters).

Constant current 700mA and low voltage ensures a stable performance. Rational design for the structure, the angle can be adjusted optionally, and the mounting holes on the edge help to place the device easily.

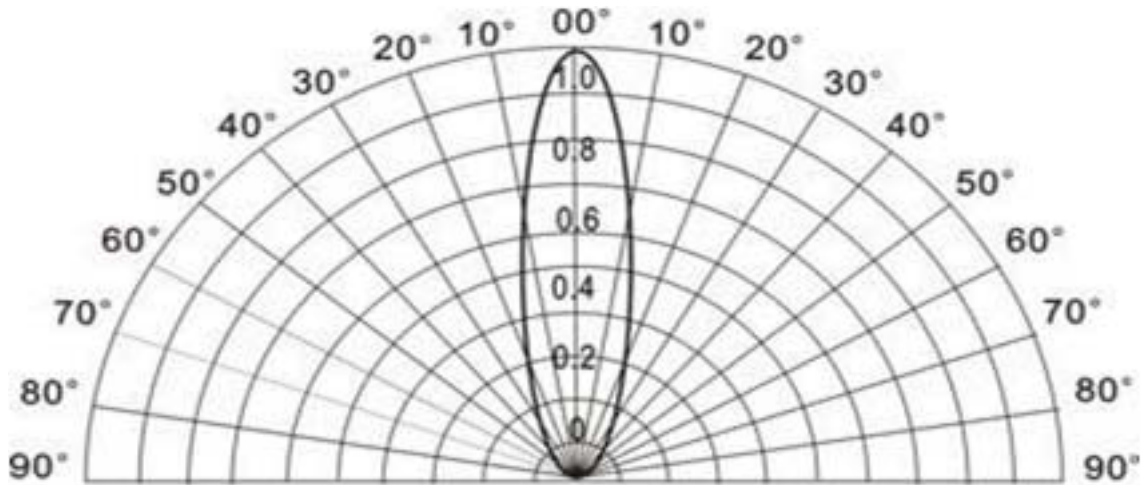
Beamer-12 has a high adaptability in application such as public illumination, commercial place lighting, airport, subway, viaduct etc.

Specification:

Size:	10.70" x 5.86" x 7.87"
Color:	16,777,216 true colors
LED:	1W high power LED
LED Quantity:	12R/12G/12B, 36 in total
Cover:	Steel Glass
Housing:	Aluminium die cast
Beaming angle:	25 degrees with lens
Life span:	>=80000 hours
Signal port:	Waterproof connect
Controller:	DMX512 control
Input:	700mA
Power consumption:	50W max at full intensity
Power supply:	PX3670
Working Temperature:	-20° ~ 60°
Working Humidity:	0%~90% relative humidity
IP class:	IP68
Light distribution:	Even diffusive illumination

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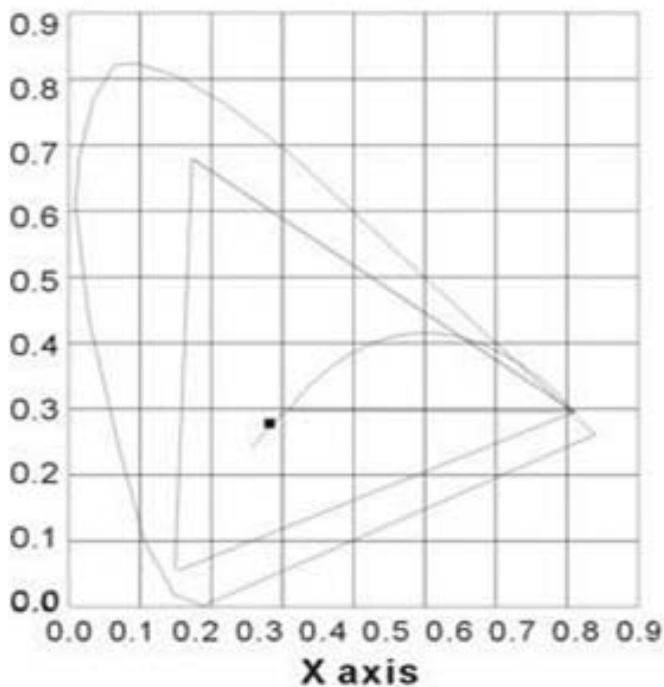
Beam Angle Charts:



Circle area is the beaming angle:25°

LED: Soft focus point and ultra-emission colophon lens

CIE Chromatic Diagram



Diamond area is white color

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Light Measurement:

Luminance:

Color	3'	6'	9'	12'	15'
	1M	2M	3M	4M	5M
White	289.4	72.4	32.2	18.2	11.6
	3114.3	778.6	346.0	195.5	125.3
Red	139.4	34.9	15.5	8.8	5.6
	1500.0	375.0	166.7	94.2	60.4
Green	126.1	31.5	14.0	7.9	5.1
	1356.5	339.1	150.7	85.2	54.6
Blue	50.2	12.5	5.6	3.2	2.0
	540.0	135.0	60.0	33.9	21.7

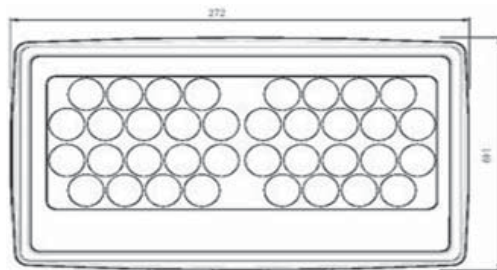
cd/mm², candles/square

Luminous Flux:

Color	Output (lm)	Power (w)	Emission efficiency (lm/w)
White	654	36	18.17
Red	300	12	25.00
Green	312	12	26.00
Blue	108	12	9.00

Diagram Views:

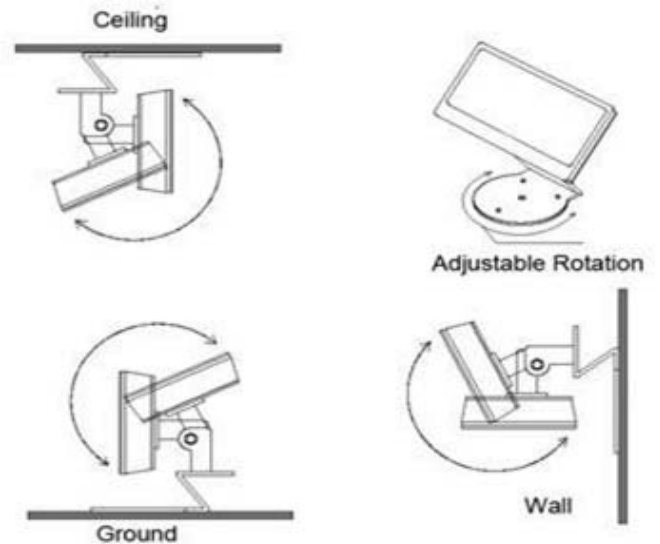
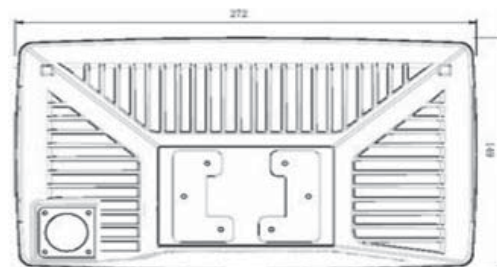
Front View:



Side View:

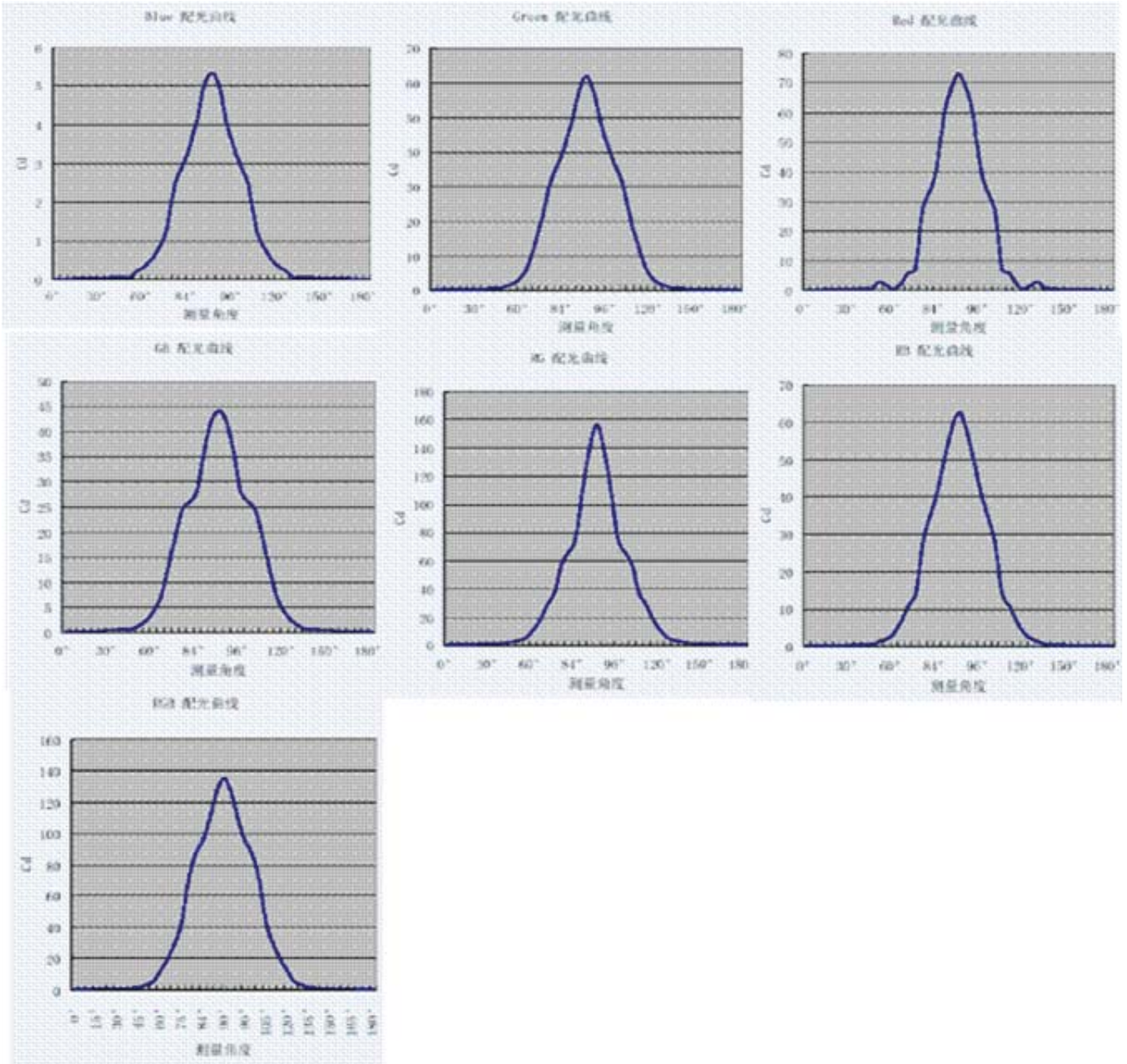


Back View:



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Photometric Performance:



*Testing instrument was the TES1335 Lighting Mete