

O u t d o o r L E D L i g h t i n g



ColorRay 9W

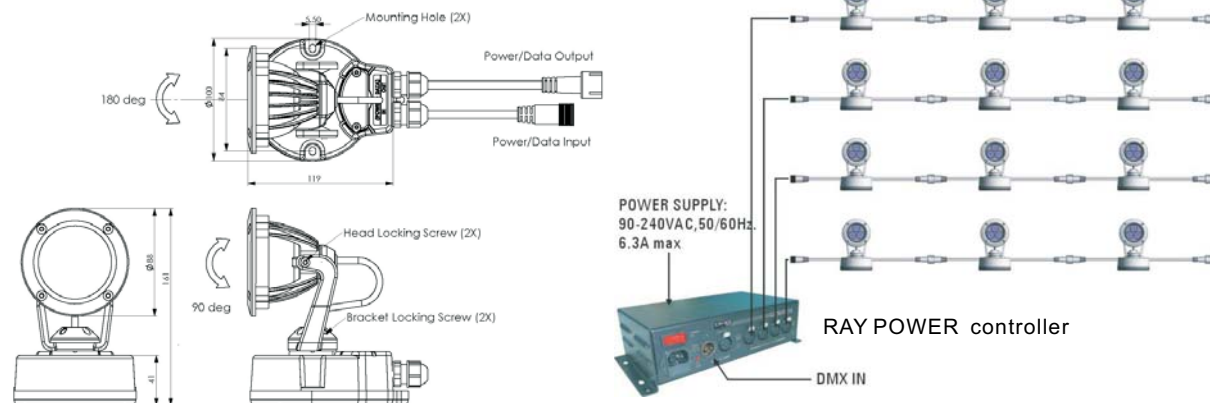
▶ FEATURES

- Very long operation life in excess of 50,000 hours
- Low energy consumption
- Robust construction suitable for outdoor application
- Fully DMX controlled
- 10 preset programs with speed and fade time selection

▶ SPECIFICATION

SOURCE LIFE	50,000 hours under normal operating conditions
COLOR RANGE	16.7 million (24 bit)
LIGHT SOURCE	3 x 3 Watt Luxeon K2 LEDs
BEAM ANGLE	15 deg / 25 deg optional
POWER REQUIREMENT	24VDC
POWER CONSUMPTION	9.3W Max
LED TYPE	3W Luxeon K2 LED
HOUSING	Die cast aluminum with powder coating
INGRESS PROTECTION RATING	IP65
CONTROL	DMX-512 or stand alone with 10 preset programs
CONNECTION	5-pin IP67 water proof connector
LISTING	CE certified
OPERATION TEMPERATURE	-10 degC to +50 degC
STORAGE TEMPERATURE	-20 degC to +70 degC
DIMENSION	100mm(W) x 130mm(L) x 161mm(H)
WEIGHT	1.2Kg
POWER AND CONTROL	RAY POWER controller

▶ PHYSICAL DIMENSIONS



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PHOTOMETRIC DATA

Light source specifications

Optics: Polycarbonate lens + tempered glass
 Light source: 3 high power LED (red, green, blue)
 Beam angle: 15 deg
 Light distribution: symmetric direct illumination

ILLUMINANCE

COLOR	1m		2m		3m		5m	
	Lux	Size (mm)	Lux	Size (mm)	Lux	Size (mm)	Lux	Size (mm)
RED	419.2	250	104.8	500	46.7	750	16.8	1250
GREEN	494.4	250	123.7	500	54.9	750	19.7	1250
BLUE	74.4	250	18.7	500	8.3	750	2.9	1250
WHITE	873.9	250	218.4	500	97	750	35	1250

* light pattern indicates the size at 50% of peak intensity

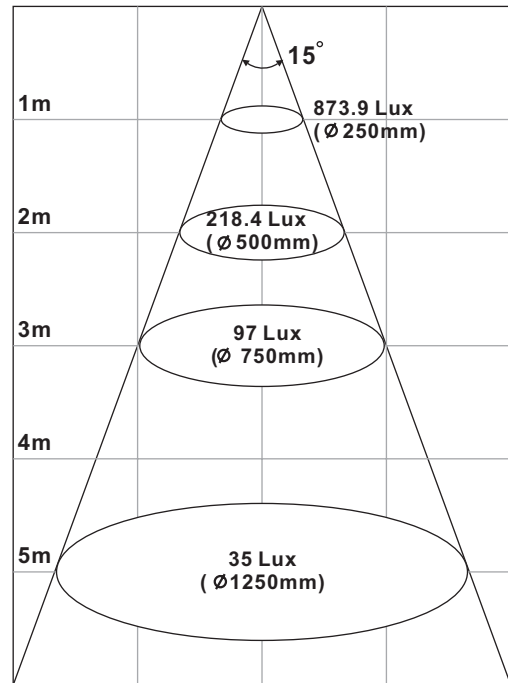
LIGHT OUTPUT

COLOR	Total (lumens)	Power(watts)	Efficacy(lm/W)
RED	60	2.5	24
GREEN	80	2.5	32
BLUE	7.8	2.5	n/a
WHITE	142	7.5	18.9

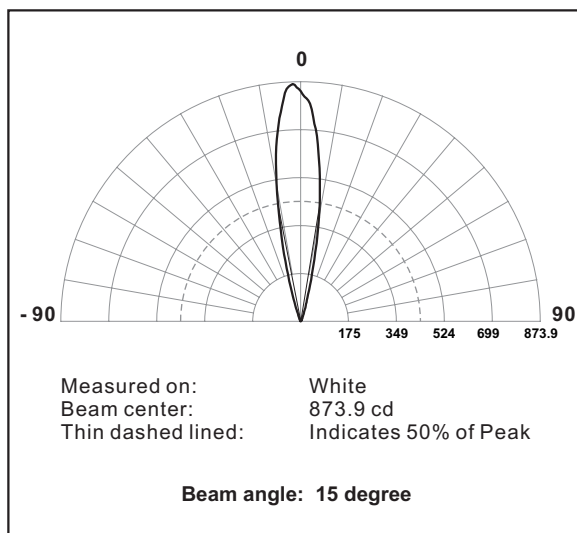
LIGHT COLOR

LED TYPE	COLOR TOTAL	FLUX WAVE	Wavelength
Luxeon K2	RED	39.8mw	627nm
Luxeon K2	GREEN	51.7mw	530nm
Luxeon K2	BLUE	225mw	455nm

Full intensity in white color

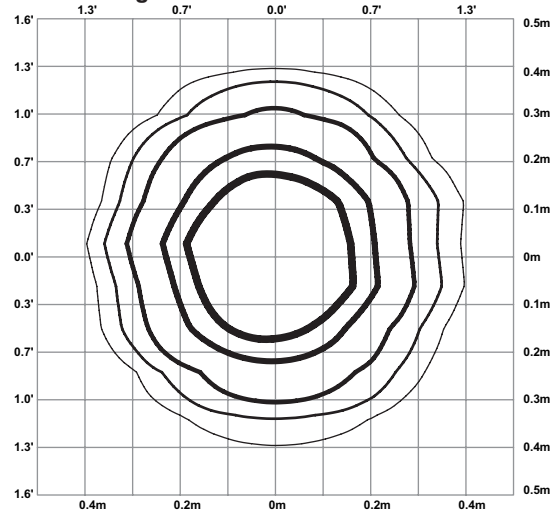


LIGHT DISTRIBUTION



IES file is also available

Isolux diagram



At 1m distance

- 3% 26.1lx
- 5% 43.6lx
- 10% 87.3lx
- 30% 261.8lx
- 50% 436.4lx

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