



ParKolor 120HD is a color changer equipped with a 120W RGBW COB LED providing a luminous flux of 2,000 lumens, and a 7 to 50° zoom.

Its control electronics provide access to multiple functions such as dimmer curve management, white color temperature calibration, internal program recall and manual color creation. Power and DMX connectors are IP65 rated.

ParKolor 120HD is equipped with the BC Color System color management system, enabling color control in all situations. In addition to the ability to calibrate colors and whites independently for perfect integration with existing equipment, this system enables color management from a given white, as if the machine were being used with gel.



TECHNICAL DATASHEET

ParKolor^{120HD}

Source

Engine	COB RGB White
LED Watts	120W
Engine CCT	7177K (White LED Only)
Engine Life (L70)	> 55000 H
Refresh Rate	1200Hz
Dimming	Electronic - 16 bits
Dimming Curves	Linear, Square, Inv Square, S-curve
Dimming Modes	Dim0 (0s), Dim1 (0.25s), Dim2 (0.5s), Dim3 (0.75s), Dim4 (1s)
Strobe Speed	1 - 20 Hz
Strobe Modes	Standard, Sync Random, Random

Electrical

Max Consumption	150W
Standby Power Consumption	6.5W
Voltage Range	110V/240V - 50Hz/60Hz
Power Factor	0.79@110V - 0.78@240V
Current (Max)	1.73A@110V - 0.88A@240V
Fuse	T3A@250V
Connector	PowerCON True1 (In/Out)
Max Fixtures per Circuits (16A)	8@110V - 16@240V

Compliance & Protection

IP Rating	IP 65
Certification	CE, Rohs

Optical

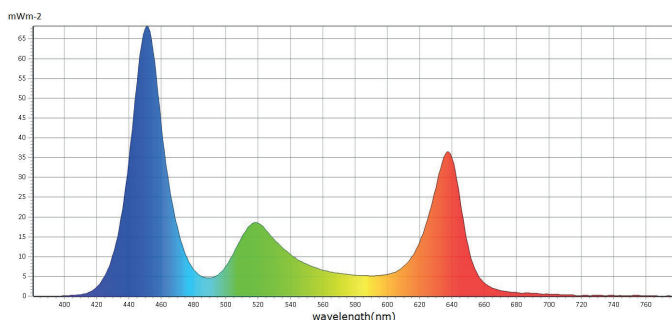
Lens Diameter	180 mm
Zoom Range	7° - 50°
Zoom Ratio	7.1 : 1

Colour System

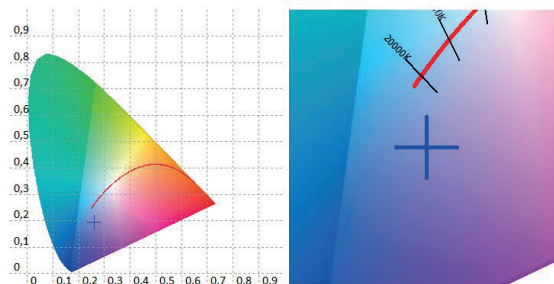
Colour System	RGBW - BC Color System
Control	8 bits / 16 bits

Performances

Fixture Luminous Flux (Max)	2000 lm
Fixture Illuminance	Narrow: 3400 lux@5m 7° Medium: 757 lux@5m 20° Wide: 240 lux@5m 50°
Fixture CCT Output	2700 - 10000 K
CRI	Native White LED Only: 72.8 @8000k: 67.43
Tm30	Native White LED Only: 71.56 @8000k: 77.84
TLCI	Native White LED Only: 51.53 @8000k: 50.67
CQS	Native White LED Only: 71.22 @8000k: 81.94

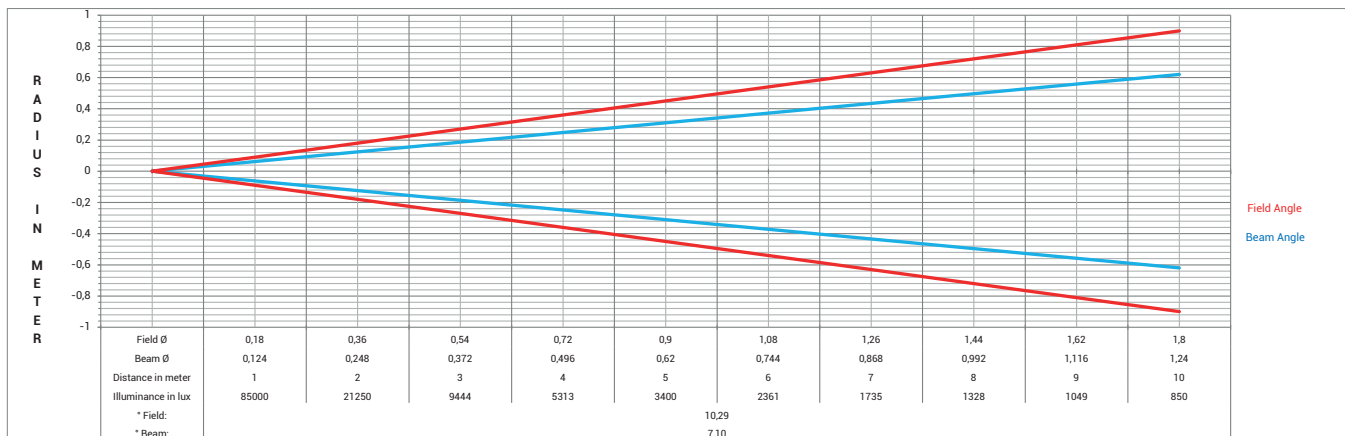


■ CIE1931

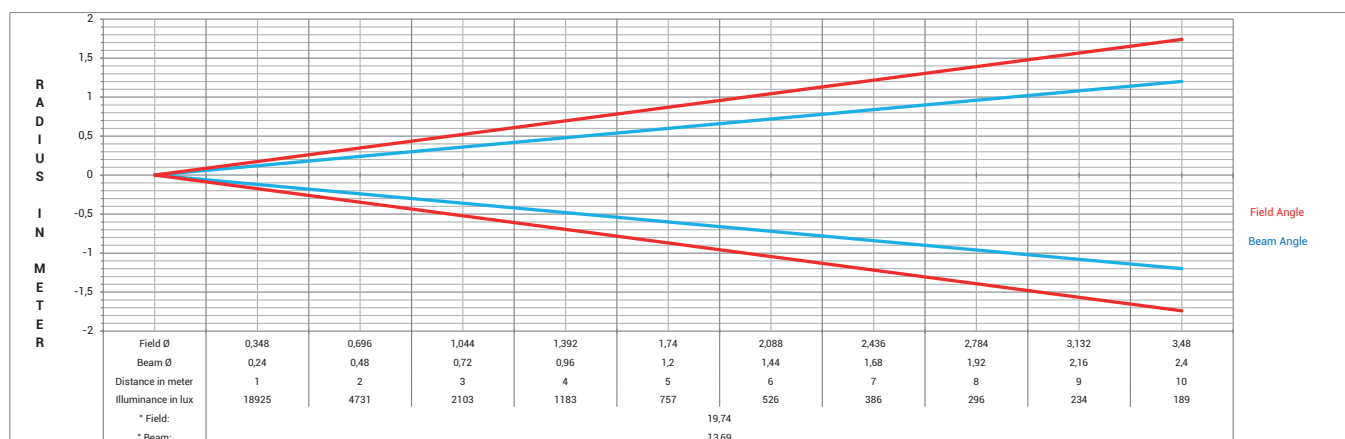


Photometry

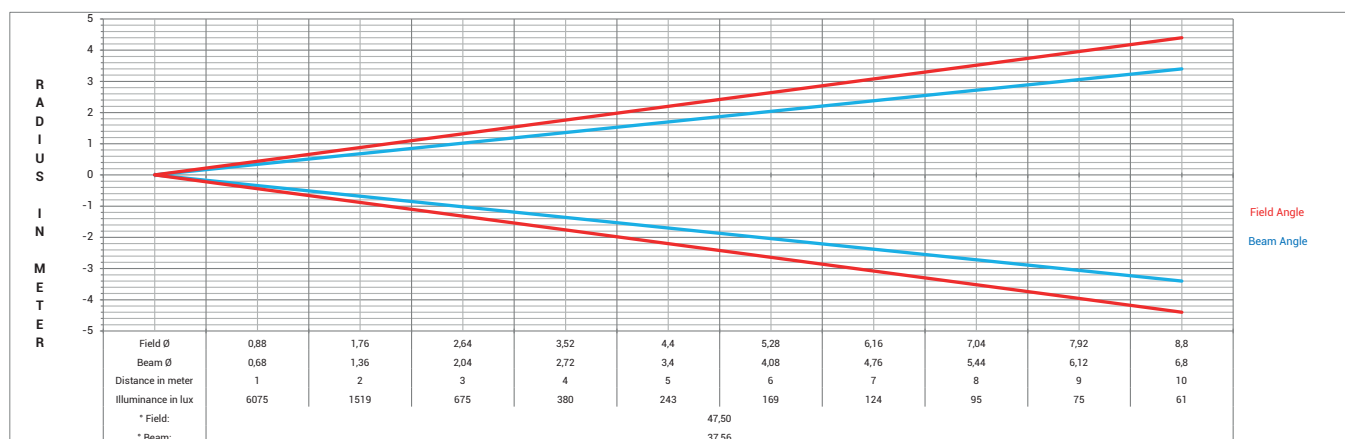
Narrow Angle



Medium Angle



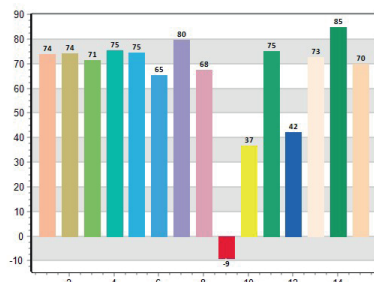
Wide Angle



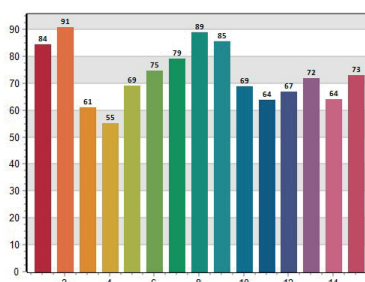
Colorimetry

Native White Only

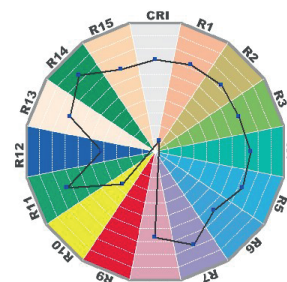
■ CRI: 72,76



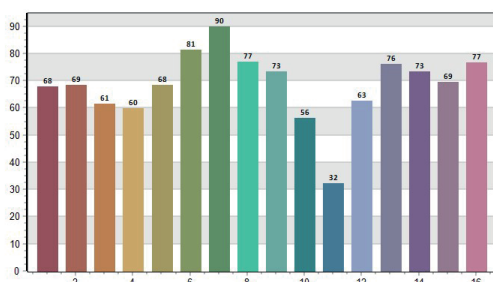
■ CQS: 71,22



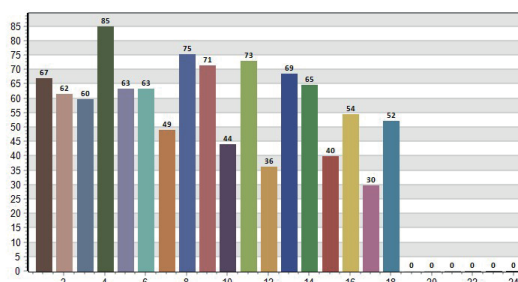
■ CRI-2



■ TM30: 71,56

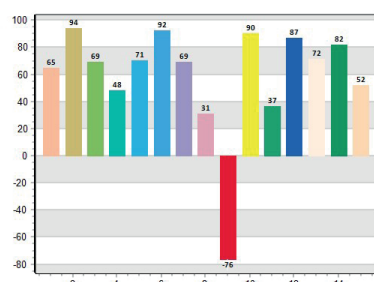


■ TLCI: 51,53

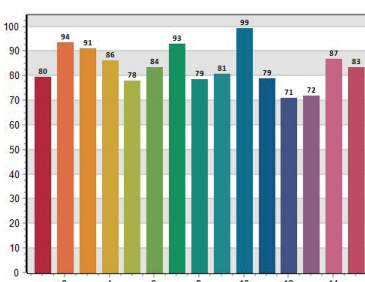


@8000K (Macro)

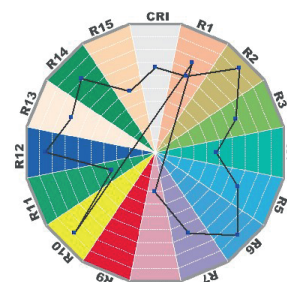
■ CRI: 67,43



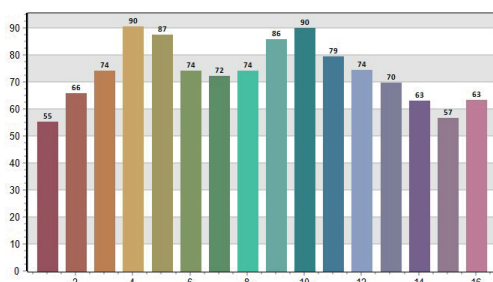
■ CQS: 81,94



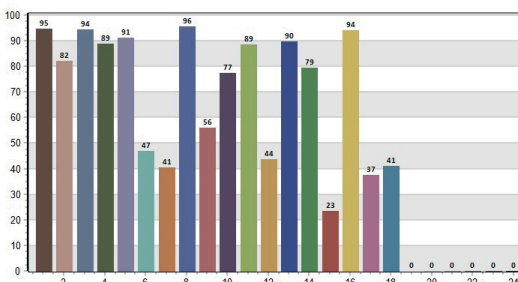
■ CRI-2



■ TM30: 77,84



■ TLCI: 50,67



[Find the complete photometry here :](#)

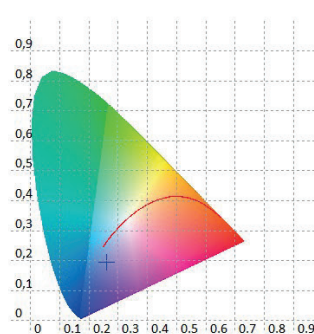


Color & Filters

Red	x: 0.2462 / y: 0.1580
Green	x: 0.1704 / y: 0.6987
Blue	x: 0.1533 / y: 0.0264
White	x: 0.3042 / y: 0.3137
Full RGBW	x: 0.2611 / y: 0.1960
8000 K (macro)	CCT: 7576 K x: 0.3006 / y: 0.3053
5600K (macro)	CCT: 5742 K x: 0.3278 / y: 0.3162
4000 K (macro)	CCT: 3942 K x: 0.3797 / y: 0.3665
2700 K (macro)	CCT: 2758 K x: 0.4443 / y: 0.3895

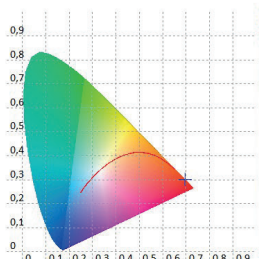
RGBW@ 100%

■ CIE1931



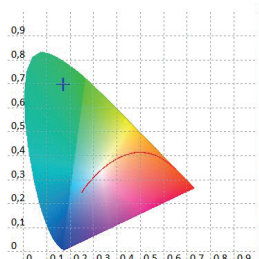
Red @ 100%

■ CIE1931



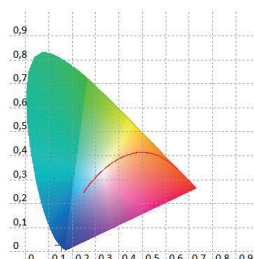
Green @ 100%

■ CIE1931



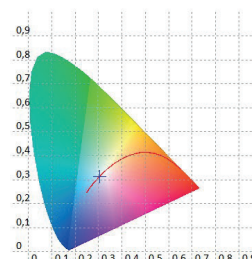
Blue @ 100%

■ CIE1931



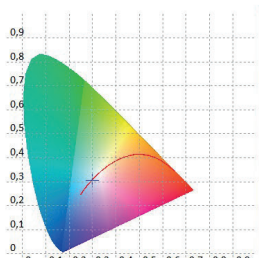
White @ 100%

■ CIE1931



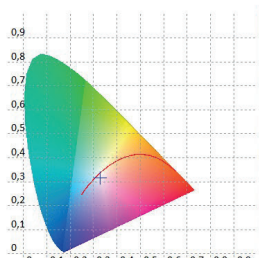
8000 K (Macro)

■ CIE1931



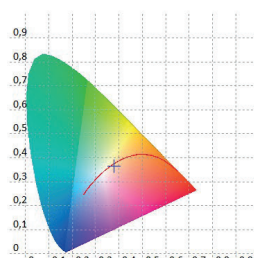
5600 K (Macro)

■ CIE1931



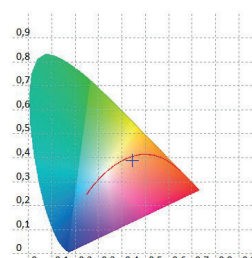
4000 K (Macro)

■ CIE1931



2700 K (Macro)

■ CIE1931



Control

DMX Control	DMX (USITT DMX-512-A) RDM (ANSI/ESTA E1.20)
DMX Modes	3 User Modes
Channel Count	RGBW - 8bit - 7 Enhanced - 8bit - 10 Enhanced - 16bit - 15
Local Control	LCD panel Navigation buttons
RDM Functions	Yes

Connectors

Power	PowerCoN True 1 (In/Out)
DMX	XLR 5 Pin (In/Out)

Noise Level

Fanless	N/A
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Thermal

Cooling System	Passive
Cooling Modes	N/A (Fanless)
Max Ambient Temperature (Ta Max)	45°C
Min Ambient Temperature (Ta Min)	-10°C
Max Surface Temperature, steady state, at Ta 40°	68°C
Total Heat Dissipation (Calculated +/- 10%)	512 BTU/h - 150W@240V
Heat Dissipation (standby) (Calculated +/- 10%)	22 BTU/h - 6.5W@240V

TECHNICAL DATASHEET

ParKolor 120HD

Material

Housing Die Cast Aluminium

Physical

Fixture

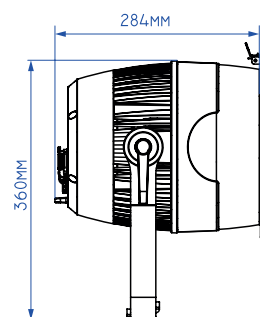
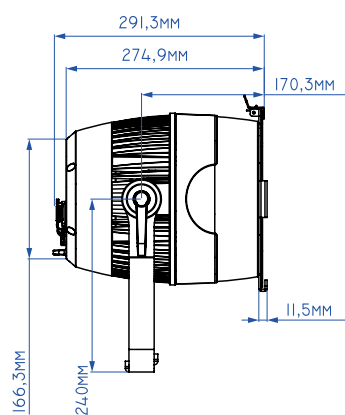
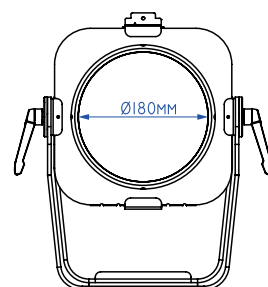
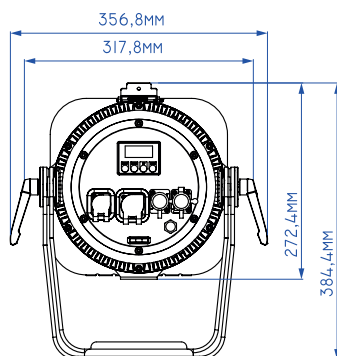
LxWxH 356.8mm x 284mm x 360mm

Weight 8.7 Kg

Carton Box

LxWxH 400mm x 315mm x 450mm

Weight 10.3 Kg



Included

Powercord 1.80m

Quick Start Yes

Optional Accessories

Filter Frame + Barndoor



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[Manual](#)



[DMX Chart](#)



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