200550 **Infinity Raccoon P7/7**

Professional RGBCALDB Par Can







The Raccoon P7/7 is a very high-CRI, high-brightness, IP65-rated Par can, intended for applications where both quality and brightness are of high importance, especially exhibitions, museums, and situations that demand a high quality of light. It has 7 extremely accurate LEDs that have seven colours each: red, green, PC green, blue, royal blue, PC amber and cyan. You can switch between maximum brightness and maximum colour-rendering quality (high CRI) mode.

The fixture offers top-of-the-line control options. The core-technology of the Raccoon series is the calibrated XY colour engine, which guarantees outstanding colour quality and stability. With the embedded XY technology, it doesn't matter which XY-capable fixtures you mix, their colours will always match! The calibrated internal controller ensures an exceptionally stable colour output at every temperature of the LEDs and every brightness setting, without any visible colour shift when dimming. We use the same calibration standards as the Infinity Signature series, so both fixtures are highly consistent in colour. Five different internal dimmer curves are available through the easy-to-use menu system, including a Tungsten shift simulation that works even with a colour filter applied! It can take care of CCT, RGB, and Lee filters internally.

Besides XY mode, control through regular DMX, RDM, Manual, and Master/slave is also possible. The PWM frequency is adjustable between 640 Hz and 25 kHz, ensuring flicker-free camera images. Basic settings, like PWM and dimmer curve, can be copied among Raccoon fixtures in the same network to guarantee identical behaviour. Sturdy 5P XLR DMX and Power Pro True power connectors ensure reliable connections and IP65 compliance. With its stylish housing and accessories like barndoors, a top hat, filter frames, and diffusion filters, the Raccoon series poses an ultra-flexible competitor for high-end par cans.

Special features:

- Very high CRI (>95), very high brightness, excellent for exhibitions and critical lighting conditions
- Accurate and stable colours due to software calibration
- Advanced XY, RGB, CMY, and HSI colour mixing technology and pre-set gel colours
- Ultra-smooth dimming with five dimmer curves, including tungsten
- IP65 rated
- DMX, RDM, and Manual control
- Engineered in Europe

Specifications:

- **Source**

Light Source Type	LED
Light Source Quantity	7
Light Source Power	25 W
LED Colour Type	RGBCALDB
Luminous Flux (Total)	4932 lm
CRI	95
Minimum CCT	2000 K
Maximum CCT	8000 K

- **Optical**

Beam Angle (Circular)	15°

- **Control and Programming**

Control Mode	DMX / Manual / Static Dimmer
DMX Channels	1 / 3 / 8 / 10 / 12 / 14
Protocols	DMX / RDM
Display	OLED

- **Dynamic Effects**

Dimmer	0-100 %
Strobe	0-20 Hz

- **Electrical Specifications and Connections**

Power Supply	100-240 V AC 50/60 Hz
Power Consumption	150 W
Power Connector In	Power Pro True
Power Connector Out	Power Pro True
DMX Connector	XLR 5P In/Out
DMX Connector In	XLR 5P
DMX Connector Out	XLR 5P

- **Control and Programming**

Length (mm)	20 mm
Width (mm)	262 mm
Height (mm)	301 mm
Weight	6 kg
IP Rating	IP65
Housing	Aluminium die-cast
Colour	Black

Specifications:

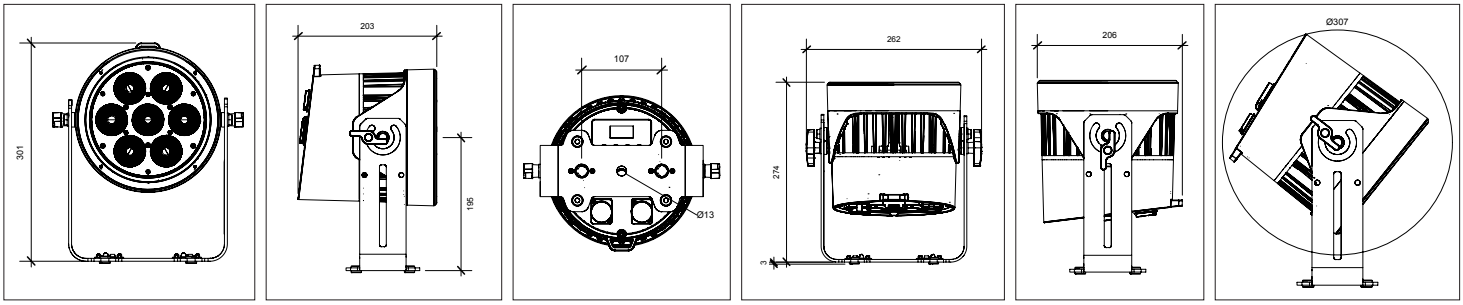
- **Product Properties**
  Cooling — Convection

- **Rigging**
  Mounting Options — Clamp / Quick-Lock

- **Thermal Specifications**
  Maximum Ambient Temperature — 45 °C
  Minimum Operating Temperature — -20 °C

- **Included Items**
  Included Cables — Power Pro True Cable
  Included Rigging — Quick-Lock Bracket

Technical drawings:

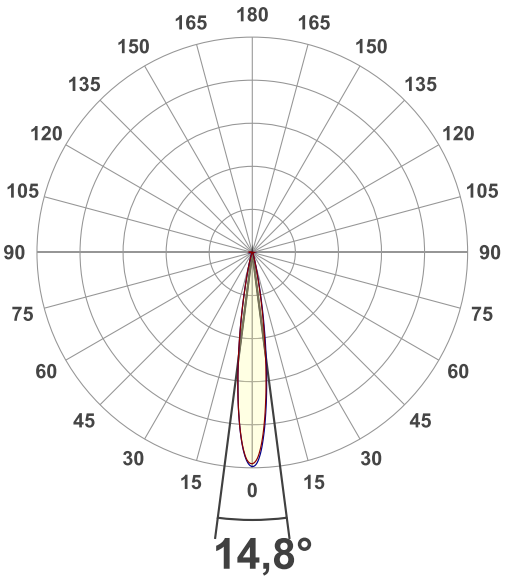


Product Accessories:

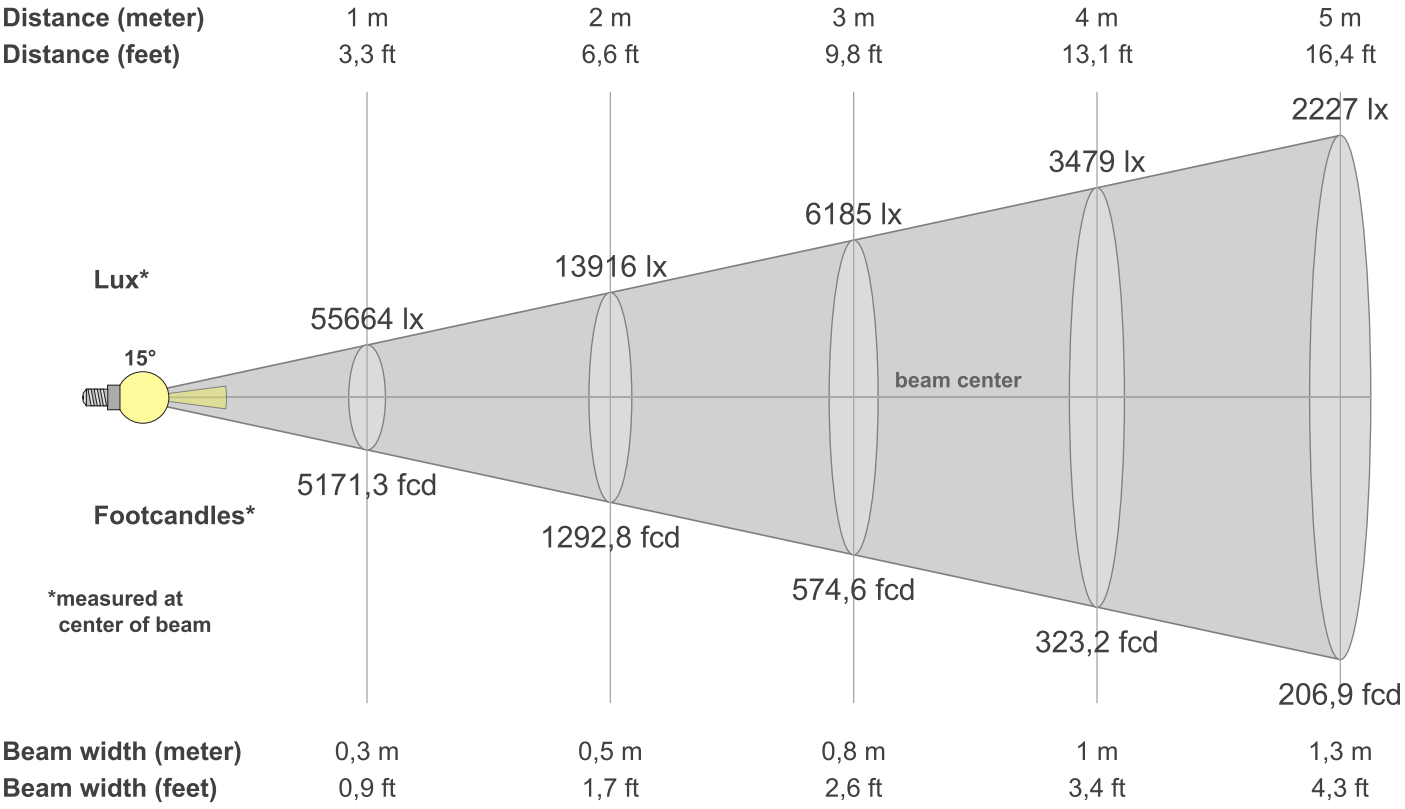
200251 Barndoor for Infinity Fresnel
200560 Accessory Holder for Raccoon Series
200562 Dual Accessory Holder for Raccoon Series
200561 Top Hat for Raccoon Series
200564 Diffuser for Raccoon Series 15°
200565 Diffuser for Raccoon Series 20°
200566 Diffuser for Raccoon Series 40°
200567 Diffuser for Raccoon Series 90°
200568 Diffuser for Raccoon Series 15° x 60
D7498B Case for 8x Spectral M800
FP2310 FP23 Hybrid Cable - Power Pro True & 5-pin XLR - D MX / Power 10m
FP2315 FP23 Hybrid Cable - Power Pro True & 5-pin XLR - D MX / Power 15m
FP23150 FP23 Hybrid Cable - Power Pro True & 5-pin XLR - D MX / Power 1.5m
FP233 FP23 Hybrid Cable - Power Pro True & 5-pin XLR - D MX / Power 3m
FP236 FP23 Hybrid Cable - Power Pro True & 5-pin XLR - D MX / Power 6m

Measurements:

Luminous Intensity diagram (RGBALCdB)



Beam Details (RGBALCdB)



Measurements:

Beam Details (RGBALCdB)

Beam Illuminances from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	19,7ft	23ft	26,2ft	29,5ft	32,8ft	36,1ft	39,4ft	42,7ft	45,9ft	49,2ft	52,5ft	55,8ft	59,1ft	62,3ft	65,6ft
55664lx	**13916lx**	**6185lx**	**3479lx**	**2227lx**	**1546lx**	**1136lx**	**870lx**	**687lx**	**557lx**	**460lx**	**387lx**	**329lx**	**284lx**	**247lx**	**217lx**	**193lx**	**172lx**	**154lx**	**139lx**
5171,3fcd	1292,8fcd	574,6fcd	323,2fcd	206,9fcd	143,6fcd	105,5fcd	80,8fcd	63,8fcd	51,7fcd	42,7fcd	35,9fcd	30,6fcd	26,4fcd	23fcd	20,2fcd	17,9fcd	16fcd	14,3fcd	12,9fcd

CRI (4200K)

CRI: 88,6 (R1-R8)

