



The Infinity Raccoon W40/4 is a powerful wash light with 40 RGBM LEDs of 15 W each, producing up to over 41,000 lumens. It has 5 individually controlled sections, has a 10-degree beam angle and uses a high 12,000 Hz refresh rate for a smooth and stable light output. Four internal dimming curves are available. It uses the same housing as the Raccoon S420/4 and is IP65-rated to withstand the elements during your show.

The fixture can be controlled wirelessly via DMX (LumenRadio G3, G4, CRMX), via wired DMX (5-pin XLR) or via manual controls and the on-board OLED display. It supports RDM and provides bi-directional communication with the lighting console.

With the optional L-bracket, the Raccoon W40/4 can be mounted vertically or at an angle while still being balanced (no torque on the mount). Other optional accessories include a top hat, a barndoor, a range of diffusers with 20°, 40°, 90° and 15 x 60° beam angles and a sturdy flight case.

Special features:

- Powerful wash
- 40 RGBM LEDs delivering over 41,000 lumens
- Five individually controllable sections
- IP65 rated
- Wired and wireless DMX control with RDM

Specifications:

- **Source**

Light Source Type	LED
Light Source Quantity	40
Light Source Power	15 W
LED Colour Type	R / G / B / M
Life Expectancy	50000 h
Refresh Rate	12000 Hz
Luminous Flux (Total)	41422 lm
Luminous Flux (Red)	9167 lm
Luminous Flux (Green)	11678 lm
Luminous Flux (Blue)	3169 lm
Luminous Flux (Mint)	20911 lm
CRI	87

- **Wireless Specifications**

Wireless Mode	G3 / G4 / CRMX
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- **Control and Programming**

Control Mode	DMX / Manual
DMX Channels	4 / 6 / 8 / 20 / 24
Protocols	DMX / RDM
Wireless	LumenRadio
Display	OLED
Fan mode	Yes
Dim Curve	Linear / Square / I-Square / S-Curve

- **Dynamic Effects**

Dimmer	0-100 %
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- **Electrical Specifications and Connections**

Power Supply	100-240 V AC 50/60 Hz
Power Consumption	825 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)	342 mm
Width (mm)	570 mm
Height (mm)	140 mm
Weight	16,8 kg
IP Rating	IP65
Housing	Aluminium
Colour	Black

Specifications:

- **Product Properties**

Cooling

Convection/Axial fan

- **Rigging**

Mounting Options

Quick-Lock

- **Thermal Specifications**

Maximum Ambient Temperature

45 °C

Minimum Operating Temperature

-20 °C

- **Included Items**

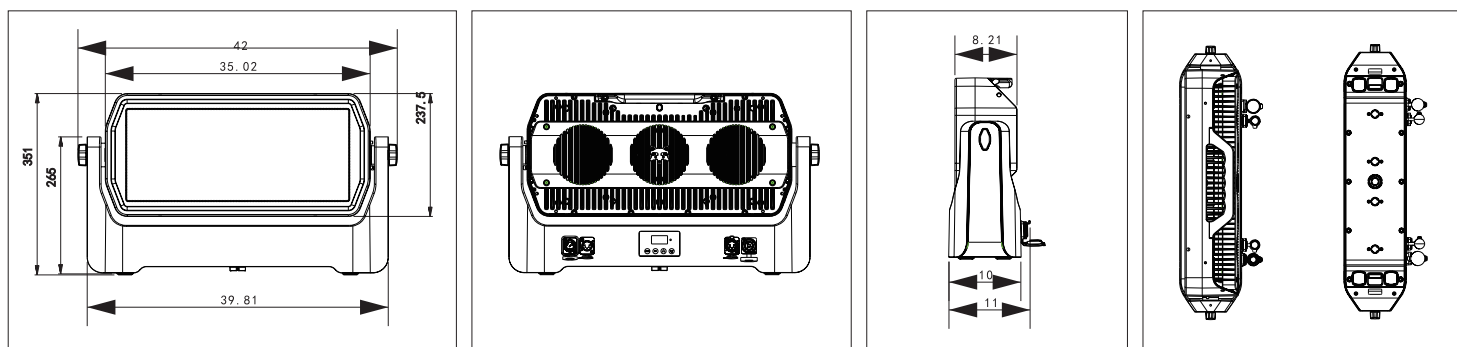
Included Cables

Power Pro True Cable

Included Rigging

Quick-Lock Bracket

Technical drawings:



Product Accessories:

200620 Top hat - metal top hat

200621 Barndoor - 4-leaf metal barndoor

200622 L-Bracket aluminium

200623 Case for 3x Raccoon S420/4 or W40/4 with accessory compartments

200625 Diffuser 20°

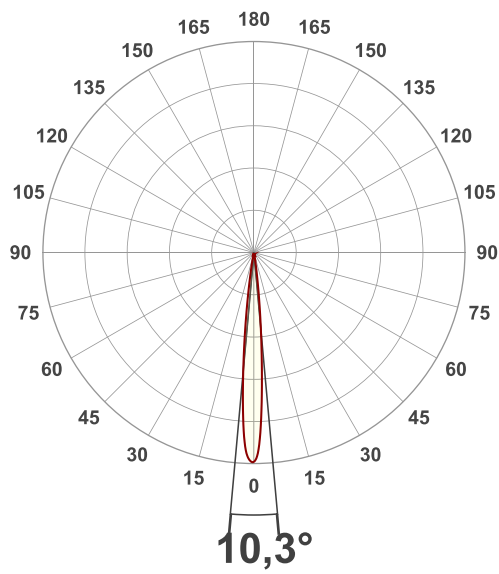
200626 Diffuser 40°

200627 Diffuser 90°

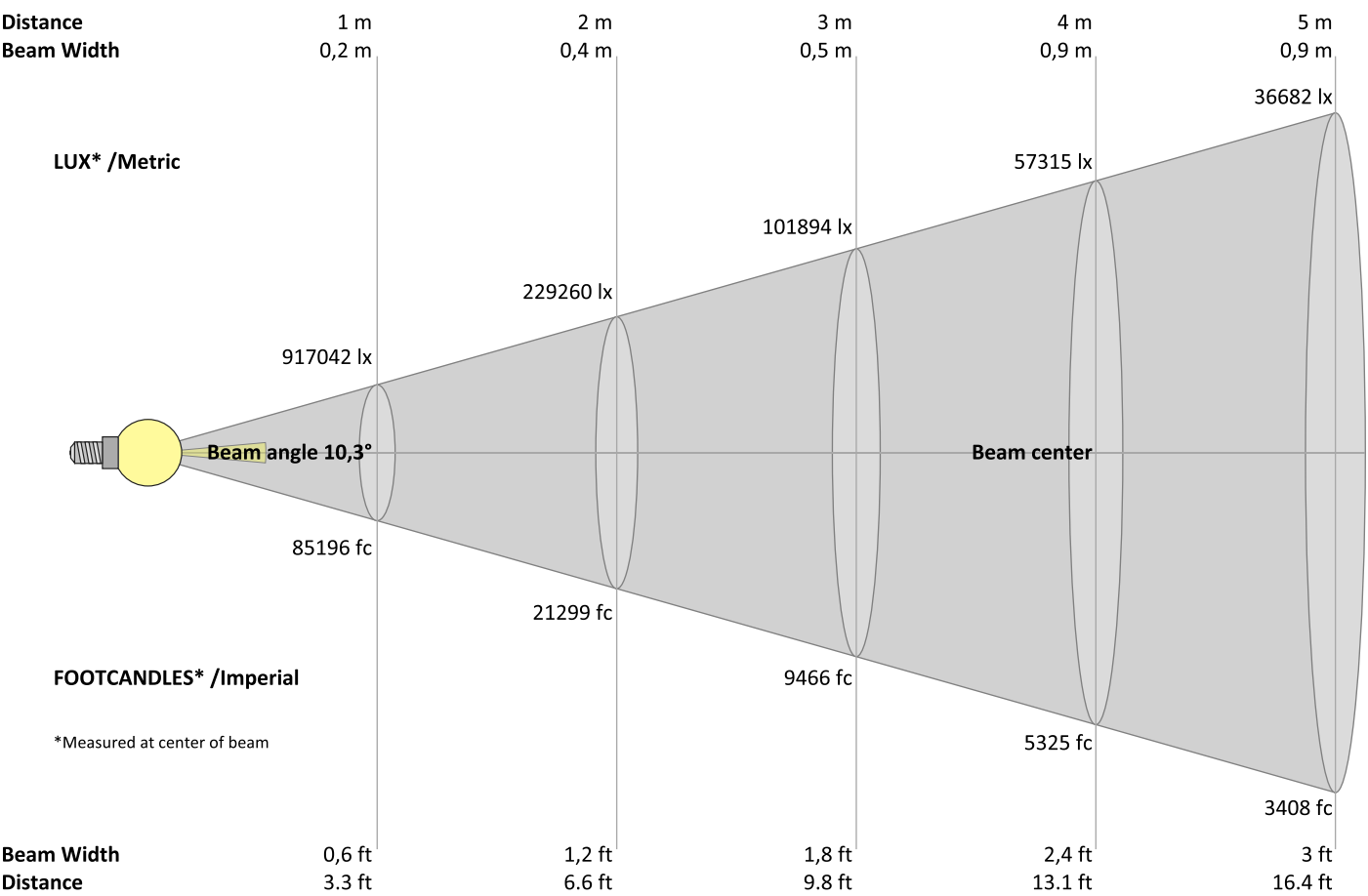
200628 Diffuser 15° x 60°

Measurements:

Luminous Intensity diagram - Raccoon W40 (Full)



Beam Details - Raccoon W40 (Full)



Measurements:

Beam Details - Raccoon W40 (Full)

Beam intensities from 1 – 20 m

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	m
3,3	6,6	9,8	13,1	16,4	19,7	23	26,2	29,5	32,8	36,1	39,4	42,7	45,9	49,2	52,5	55,8	59,1	62,3	65,6	ft
917042	229260	101894	57315	36682	25473	18715	14329	11322	9170	7579	6368	5426	4679	4076	3582	3173	2830	2540	2293	lux
85196	21299	9466,2	5324,7	3407,8	2366,6	1738,7	1331,2	1051,8	852	704,1	591,6	504,1	434,7	378,6	332,8	294,8	263	236	213	fc

Intensities in 0° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°	γ
917K	889K	806K	673K	527K	394K	282K	193K	128K	85K	60K	44K	34K	27K	21K	18K	15K	13K	11K	9K	cd
100%	97%	88%	73%	57%	43%	31%	21%	14%	9%	6%	5%	4%	3%	2%	2%	2%	1%	1%	1%	of 0°val

Intensities in 90° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°	γ
917K	889K	806K	673K	527K	394K	282K	193K	128K	85K	60K	44K	34K	27K	21K	18K	15K	13K	11K	9K	cd
100%	97%	88%	73%	57%	43%	31%	21%	14%	9%	6%	5%	4%	3%	2%	2%	2%	1%	1%	1%	of 0°val

Intensities in 180° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°	γ
917K	914K	888K	823K	708K	571K	436K	315K	215K	142K	95K	66K	48K	37K	29K	23K	19K	16K	14K	12K	cd
100%	100%	97%	90%	77%	62%	48%	34%	23%	15%	10%	7%	5%	4%	3%	3%	2%	2%	1%	1%	of 0°val

Intensities in 270° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°	γ
917K	914K	888K	823K	708K	571K	436K	315K	215K	142K	95K	66K	48K	37K	29K	23K	19K	16K	14K	12K	cd
100%	100%	97%	90%	77%	62%	48%	34%	23%	15%	10%	7%	5%	4%	3%	3%	2%	2%	1%	1%	of 0°val

Spectral power distribution (SPD) / W/nm – 0-100% - Raccoon W40 (Full)

