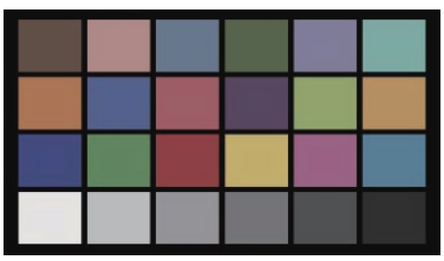
RAYZR 7

TLCI 98 . 300 W . 6KG

We packed 300 Watt of high powered quality (TLCI up to 98) LED's into a compact and lightweight 7" fresnel to give you full control anywhere. The all new Rayzr 7.

Brightness

- 300 Watt and 200 Watt options
- 1.5 times brighter than 1K (1000W) tungsten fresnel
- 10" LED fresnel performance in 7" size
- Flicker free up to 15000 fps
- Suited for even the most light hungry application



Color & Control

- TLCI up to 98
- Pure white light with truthful color rendition
- Daylight and Bi-color models available
- Even and uniform light beam
- Full control over light beam shaping
- DMX built-in and Wi-fi as an option

Compact & Lightweight

- Power efficient LED lights
- Powered from batteries without any reduction in brightness
- Smaller and lighter than other 7" fresnels
- Weight of only 6.4 KG (14.1 lbs.)
- Rugged and durable housing

Models

300 DAYLIGHT

- **Daylight 5,600 K**
- **LED power 300 W**
- **Beam angle 18° - 55°**
- **Battery 24 - 36 V DC**
- **Advanced Vapor Cooling System**
- **100% brighter than 300B**

300B BI-COLOR

- **Bi-color 3,200 K to 5,600 K**
- **LED power 150 W + 150 W**
- **Beam angle 18° - 50°**
- **Battery 24 - 36 V DC**
- **Advanced Vapor Cooling System**

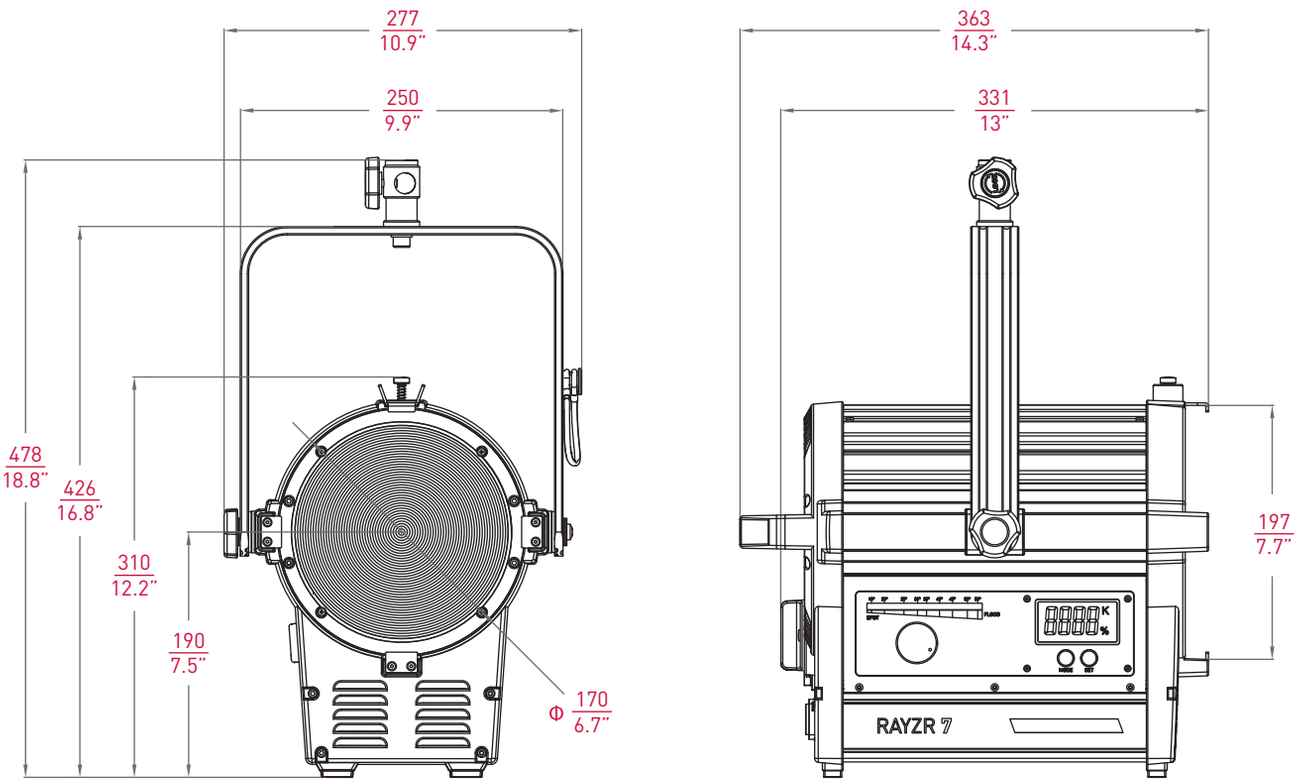
200 DAYLIGHT

- **Daylight 5,600 K**
- **LED power 200 W**
- **Beam angle 18° - 50°**
- **Battery 24 - 36 V DC**
- **Advanced Vapor Cooling System**
- **100% brighter than 200B**

200BM BI-COLOR

- **Bi-color 3,200 K to 5,600 K**
- **LED power 100 W + 100 W**
- **Beam angle 18° - 50°**
- **Battery 12 - 24 V DC**
- **Silent Passive Cooling**

Dimensions



Type Of Lamphead	Rayzr 7 - M
Lamp	LED
Accessories	197mm / 7.7"
Barndoor	197mm / 7.7"

Packed Size	540×355×430 mm
Packed Volume	82 L
Lenses	170mm / 6.7"
File Name	Rayzr 7

STANDARD PACK (Rayzr 7 LED Fresnel + Stand Mount + Power Cable)

Model	Rayzr 7-300 Standard Pack	Rayzr 7-300B Standard Pack	Rayzr 7-200 Standard Pack	Rayzr 7-200BM Standard Pack
Item No.	EU: 123050011221 US: 123050011231	EU: 123050021221 US: 123050021231	EU: 123050031221 US: 123050031231	EU: 123050041221 US: 123050041231
Net Weight	6.4 kg (14.1 lbs)	6.4 kg (14.1 lbs)	6.4 kg (14.1 lbs)	7.2 kg (15.9 lbs)
Packed Weight	7.2 kg (15.9 lbs)	7.2 kg (15.9 lbs)	7.2 kg (15.9 lbs)	8.0 kg (17.0 lbs)

PREMIUM PACK (Rayzr 7 LED Fresnel + Stand Mount + Power Cable + 4-leaf Barndoor + Carrying Case)

Model	Rayzr 7-300 Premium Pack	Rayzr 7-300B Premium Pack	Rayzr 7-200 Premium Pack	Rayzr 7-200BM Premium Pack
Item No.	EU: 123050011220 US: 123050011230	EU: 123050021220 US: 123050021230	EU: 123050031220 US: 123050031230	EU: 123050041220 US: 123050041230
Net Weight	6.4 kg (14.1 lbs)	6.4 kg (14.1 lbs)	6.4 kg (14.1 lbs)	7.2 kg (15.9 lbs)
Packed Weight	8.1 kg (17.8 lbs)	8.1 kg (17.8 lbs)	8.1 kg (17.8 lbs)	8.9 kg (19.6 lbs)

Note Protection Mark according to DIN 34

Specifications

RAYZR 7	300 DAYLIGHT	300B BI-COLOR	200 DAYLIGHT	200BM BI-COLOR
LIGHT				
LED Power	300 W	150 W + 150 W	200 W	100 W + 100 W
Beam Angle	18° - 55° (Half Peak Angle)	18° - 50° (Half Peak Angle)		
White Light	Daylight 5,600 K	Bi-color 3,200-5,600 K Continuously Variable CCT	Daylight 5,600 K	Bi-color 3,200-5,600 K Continuously Variable CCT
Color Temperature Tolerance	+/- 150 K (nominal)			
Color Rendition	TLCI 95 ~ 98, CRI 94 ± 2			
Dimming	0 -100% Continuous			
Control	RJ-45 DMX In and Through, On-Board Controller			
Estimated LED Lifetime	50,000 hours (15 Years of average use)			
POWER				
Power Voltage Range	180-264 V AC, 50-60 Hz (EU) 90-132 V AC, 50-60 Hz (US)	90-264 V AC, 50-60 Hz		
Input Current Range	Max. 2.0A@180V, 1.3A@264V Max. 3.9A@90V, 2.7A@132V	Max. 2.2A@90V 0.73A@264V	Max. 2.5A@90V 0.9A@264V	Max. 1.3A@90V 0.44A@264V
Power Consumption	331 W Nominal 352 W Maximum	172 W Nominal 192 W Maximum	204 W Nominal 223 W Maximum	111 W Nominal 115 W Maximum
Power Connection	Neutrik power CON TRUE1 NAC3MPX; Plug: Neutrik power CON TRUE1 NAC3FX-W			
Battery DC Power Voltage Range	24 - 36 V DC			12 - 24 VDC
Battery DC Input Current Range	Max. 13.75A@24V 9.17A@36V	Max.6.9A@24V 4.5A@36V	Max. 8A@24V 5.3A@36V	Max.9A@12V 4.5A@24V
Battery DC Power Consumption	311 W Nominal 330 W Maximum	162 W Nominal 180 W Maximum	192 W Nominal 210 W Maximum	104 W Nominal 108 W Maximum
Battery DC Power Connection	Neutrik speak ON NL2MP; Plug: Neutrik speak ON NL2FX			
GENERAL				
Optical System	Focusable Fresnel			
Lens Diameter	170 mm / 6.7 inch			
Thermal Design	Advanced Vapor Cooling System			Silent Passive Cooling
Mounting	16 mm / 28 mm Combo Pin (Baby 5/8 inch / Junior 1-1/8 inch Combo Pin)			
Tilt Angle	+/- 90°			
Housing Color	Black			
Ambient Temperature Operation	-20 to +45° C (-4 to +113° F)			
Protection Class	IP 20			
Certifications	CE, FCC, RoHS, REACH			

All specifications are nominal / typical values.

Photometric Data (preliminary results)

300 DAYLIGHT

Distance	3 m	5 m	7 m	9 m
Illuminance				
	10675 lx	3843 lx	1961 lx	1187 lx
			100% 5600K	
Spot: 18°	992 fc	357 fc	182 fc	110 fc

Distance	3 m	5 m	7 m	9 m
Illuminance				
	5819 lx	2095 lx	1069 lx	674 lx
			100% 5600K	
Middle: 30°	541 fc	195 fc	99 fc	60 fc

Distance	3 m	5 m	7 m	9 m
Illuminance				
	2565 lx	924 lx	472 lx	285 lx
			100% 5600K	
Flood: 50	238 fc	86 fc	44 fc	26 fc

300B BI-COLOR

Distance	3 m	5 m	7 m	9 m
Illuminance	345 fc	124 fc	63 fc	38 fc
			100% 3200K	
	3717 lx	1338 lx	683 lx	413 lx
	4047 lx	1457 lx	743 lx	450 lx
			100% 5600K	
Spot: 18°	376 fc	135 fc	69 fc	42 fc

Distance	3 m	5 m	7 m	9 m
Illuminance	222 fc	80 fc	41 fc	25 fc
			100% 3200K	
	2391 lx	861 lx	439 lx	266 lx
	2666 lx	960 lx	490 lx	296 lx
			100% 5600K	
Middle: 30°	248 fc	89 fc	45 fc	28 fc

Distance	3 m	5 m	7 m	9 m
Illuminance	90 fc	33 fc	17 fc	10 fc
			100% 3200K	
	974 lx	351 lx	179 lx	108 lx
	1105 lx	398lx	203 lx	123 lx
			100% 5600K	
Flood: 50°	103 fc	37 fc	19 fc	11 fc

200 DAYLIGHT

Distance	3 m	5 m	7 m	9 m
Illuminance				
	7289 lx	2624 lx	1339 lx	810 lx
			100% 5600K	
Spot: 18°	678 fc	244 fc	124 fc	75 fc

Distance	3 m	5 m	7 m	9 m
Illuminance				
	4409 lx	1587 lx	810 lx	490 lx
			100% 5600K	
Middle: 30°	410 fc	148 fc	75 fc	46 fc

Distance	3 m	5 m	7 m	9 m
Illuminance				
	1863 lx	671 lx	342 lx	207 lx
			100% 5600K	
Flood: 50	173 fc	62 fc	32 fc	19 fc

200BM BI-COLOR

Distance	3 m	5 m	7 m	9 m
Illuminance	287 fc	103 fc	53 fc	32 fc
			100% 3200K	
	3086 lx	1111 lx	567 lx	343 lx
	3531 lx	1271 lx	649 lx	392 lx
			100% 5600K	
Spot: 18°	328 fc	118 fc	60 fc	36 fc

Distance	3 m	5 m	7 m	9 m
Illuminance	173 fc	62 fc	32 fc	19 fc
			100% 3200K	
	1858 lx	669 lx	341 lx	206 lx
	2152 lx	775 lx	395 lx	239 lx
			100% 5600K	
Middle: 30°	200 fc	72 fc	37 fc	22 fc

Distance	3 m	5 m	7 m	9 m
Illuminance	70 fc	25 fc	13 fc	8 fc
			100% 3200K	
	757 lx	272 lx	139 lx	84 lx
	867 lx	312 lx	159 lx	96 lx
			100% 5600K	
Flood: 50°	81 fc	29 fc	15 fc	9 fc

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