



Orion 300 FS

The Prolycht Orion 300 FS is a powerful LED spotlight that revolutionizes professional lighting with its incredible full color spectrum output. By using multiple LEDs in six colors precisely mixed together – red, green, blue, amber, cyan and lime (RGBACL) – the Hyperlight color engine at the core of the Orion 300 FS can authentically emit almost any color and accurately emulate any light source.

Paint your scene with washes of bold color, dancing flames, embers of evening light subtly focused on your subject, or flashing red and blue cop car effects - all using the Orion 300 FS. The user can quickly choose from hundreds of preset Lee or Rosco filter colors. The Orion 300 FS can also emulate the specific color signatures of dozens of light sources such as halide street lamps or cool fluorescents to match with background fixtures. Or set to any of a wide range of color temperatures and still maintain accurate, pleasing skin tones.

The output can be hard or soft and shaped with a wide variety of tools. The Orion 300 FS uses the ubiquitous Bowens-style reflector mount and Prolycht offer a comprehensive range of modifiers including a 2x Fresnel lens, projection lens with gobos, dome softbox, diffuser, lantern, barn doors and reflector. The Orion 300 FS is also compatible with a wide array of third-party modifiers.

The extreme accuracy, combined with the ability to shape and control light in a multitude of ways, offers cinematographers and gaffers remarkable new creative opportunities in a light of this size, power and cost.



Specifications



Optical system	Color Spot Light, 1.97' light aperture
Weight	Lamp Head 3.7kg/8 lbs, Control Box 3.2kg/ 7 lbs
Handling&Mounting	Lamp Head: Aluminum Yoke with 360° Tilt Lock, 28/16 mm Spigot Control Box: Quick Release Clamp
Fan mode	Silent, Low Speed (14 dB noise), Medium Speed, High Speed, Auto
White Light	2,000K ~ 20,000K with Green/Magenta adjustment Full R+G+B+A+C+L Gamut
Color Light	Seamless color tuning in HSI color wheel Matching 46 natural/artificial light sources Matching 318 Rosco/LEE Gels 19 Lighting effects with tunable parameters
Color Rendering	Ra 96,TLCI 98
Green/Magenta Adjustment	Duv -0.015~0.015 adjustable, 200 steps
Dimming	0~100% dimming, 1000 steps
Power Supply	AC:100 to 240V,50/60Hz, Battery:Two 14.8V batteries,V-mount or AB-mount available
Power Consumption	320W maximum
Control Options	Full Color Control panel 5-Pin DMX in/out,27 DMX modes LAN port with Built-in ArtNet ChromaLink App supporting Bluetooth and Wi-Fi connection Support 3 rd party App control
Firmware Upgrade	Firmware upgradable via flash drive
Operating Temperature	-20°C to +40°C
IP Rating	IP 20, not water proof
Estimated color shift	2 SDCM @ 100% brightness, 4 SDCM @ 10% brightness
Estimated L70 Lifetime	50,000 hours

Photometrics

· Measured in lux

Light modifier	Beam Angle	CCT	Illuminance (lux)			
			1m/3.2ft	3m/9.8ft	5m/16.4ft	7m/22.9ft
Standard Reflector	55°	5600K	31,090	3,276	1,200	680
		3200K	27,510	2,930	1,060	610
Projection Lens	23°	5600K	4,385	620	244	126
		3200K	3,650	519	206	109
Dome Softbox	N/A	5600K	1,936	276	116	68
		3200K	1,647	231	98	58
Fresnel (Flood)	30°	5600K	100,780	10,230	3,677	1,884
		3200K	96,610	9,600	3,326	1,690
Fresnel (Spot)	15°	5600K	121,510	11,360	4,100	2,037
		3200K	105,680	10,250	3,650	1,810

· Measured in fc

Light modifier	Beam Angle	CCT	Illuminance (fc)			
			1m/3.2ft	3m/9.8ft	5m/16.4ft	7m/22.9ft
Standard Reflector	55°	5600K	2,888	305	111	63
		3200K	2,556	272	98	57
Projection Lens	23°	5600K	407	58	23	12
		3200K	339	48	19	10
Dome Softbox	N/A	5600K	180	26	11	6
		3200K	153	21	9	5
Fresnel (Flood)	30°	5600K	9,363	950	342	175
		3200K	8,975	892	309	157
Fresnel (Spot)	15°	5600K	11,289	1,055	381	189
		3200K	9,818	952	339	168

