



PROLYCHT

PRODUCT BROCHURE





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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
Color Light	Full R+G+B+A+C+L Gamut 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

Product Kit



PL20001	Orion 300 FS Kit
PL20001AB	Orion 300 FS Kit AB mount

- Orion 300 FS Lamp Head
- Orion 300 FS Ballast (PL20001: V-mount battery plate, PL20001AB: AB-mount battery plate)
- Orion 300 FS Reflector-Intensifier
- Orion 300 FS Diffuser
- Orion 300 FS Power Cord (switched)
- Orion 300 FS Signal Cord (5-meter)
- Orion 300 FS Safety Cord
- Orion 300 FS Quick-release damp (to mount ballast to stand)
- User Manual, Warranty Card, QC certificate, Prolycht wristband
- Orion 300 FS Carrying bag with shoulder strap

Light Shape Control



PL20002

Orion 300 FS Lantern Softbox Kit

25" Lantern Softbox
Carry bag



PL20003

Orion 300 FS Dome Softbox Kit

36" Dome Softbox
Internal diffuser
Grid front (fabric)
Carry bag



PL20004

Orion 300 FS Fresnel 2X Lens Kit

2x range Fresnel Lens
4-way Barn Doors (8")
Carry bag



PL20005

Orion 300 FS Projection Lens Kit

Projection Lens head
(22-degree beam)
Metal graphic gobos (16x)
Metal gobo tray
Aperture gobo
(full iris, accepts metal gobo)
Polygon gobo (4-leaf adjustable)



PL20006

Orion 300 FS Standard Reflector

Replacement, included in PL20001



PL20007

Orion 300 FS Fresnel 2X Lens

Replacement, included in PL20004



PL20008

Orion 300 FS Barn Door

Four-leaf Barn Doors, 8"
Attachable to Orion 300 FS standard
reflector
Replacement, included in PL20004

Accessories



PL20009

Orion 300 FS Lamp Head

Replacement, included in PL20001



PL20010

Orion 300 FS Projection Gobo Set

Replacement, included in PL20001



PL20011

Orion 300 FS Ballast

Replacement, included in PL20001

Transportation



PL20012

Orion 300 FS Carry Bag

Replacement, included in PL20001



PL20013

Orion 300 FS Fresnel Carry Bag

Replacement, included in PL20004



PL20014

Orion 300 FS Projection Lens Carry Bag

Replacement, included in PL20005

Cables



PL20015

Orion 300 FS Standard Signal Cord (5m)

Replacement, included in PL20001



PL20016

Orion 300 FS Long Signal Cord (10m)



PL20017

Orion 300 FS Power Cord

Replacement, included in PL20001



PL20018

Orion 300 FS Safety Rope

Replacement, included in PL20001



Orion 675 *FS*

THE NEW STANDARD

Maximum power, maximum color. That's precisely what the new Prolycht Orion 675 FS LED full spectrum spotlight delivers in a single robust fixture that is built for Film and TV professionals. The Orion 675 FS is The New Standard.

- RGBACL Hyperlight Color Engine for full spectrum color flexibility
- 1,800K-20,000K CCT Range
- Fresnel performance: Brighter than a 1.2K HMI, double a 2K tungsten
- Patent-Pending Positive Locking clamp for Bowens Mount
- DMX / Ethernet / WiFi / Bluetooth Mesh / LumenRadio CRMX
- Color Adjustment modes: Warm-Cool & HSI / xy / 6-Color matrix
- Realtime color and brightness tracking control via free ChromaLink App





Specifications

Light Aperture	40 mm / 1.57", without modifiers
Beam Angle	80° Half Peak Angle, without modifiers
Weight	9.5 kg / 21 lbs without yoke 12 kg / 26 lbs with yoke 30 kg / 66 lbs full loaded hard-rolling case
Mounting & Handling	Quick-Release Angled Yoke with 360° Tilt Lock, 28 mm Spigot
Accessory Mount	Bowens S with extra strengthening structures
Optional attachment	Fresnel Lens (15°-50°) 60" Dome softbox 35" Lantern softbox
Voltage Input Range	100 - 240 v~, 50 - 60 Hz
Power	675 W Maximum, Built-in power supply
Color Quality	CRI Average > 97 TLCI Average > 95 TM-30 Average > 94 SSI: 84 @ 3200K, 74 @ 5600K
Mains Power Connection	powerCON TRUE1 TOP (Bare Ends / Schuko / Edison, Japanese, Chinese cables available)
Battery Connector	3-Pin XLR Connector (Pin 1: Negative, Pin 2: Positive)
Battery Voltage Range	46 - 50 vdc
White Light	Calibrated 1,800 K to 20,000 K with G/M adjustment
Color Control	Full R+G+B+A+C+L Gamut Seamless color tuning with HSI color wheel Color tuning in CIExy color space (Rec.709/Rec.2020/Full Gamut) Matching 46 natural/artificial light sources Emulating 318 Rosco/LEE Gels 19 Lighting effects with tunable parameters 6 - Pole Color Matrix Adjustment
Communication	DMX LumenRadio CRMX wireless control Ethernet / Art-Net Bluetooth Mesh Wifi
Dimming	0~100% dimming, 1000 Steps, linear / exponential / logarithmic / Curve
Control Options	Full Color Control panel 5-Pin DMX in/out, 27 DMX modes LAN port with Built-in Art-Net ChromaLink App Support 3rd party App control: Blackout, Luminair, and more
Fan Mode	Silent, Low Noise, Medium Speed, High Speed, Auto
Firmware Upgrade	Firmware upgradable via Flash Drive
Operating Temperature	-20°C to +40°C
IP Rating	High IP weather rated
Estimated L70 Lifetime	50,000 hours

Photometrics

· Measured in lx					
Light modifier	Beam Angle	CCT	Distance(m)		
			3m/9.8ft	5m/16.4ft	7m/22.9ft
Bare Light	80°	5600K	2,220	830	538
		3200K	1,900	706	458
55° Reflector	55°	5600K	7,380	2,520	1,370
		3200K	6,250	2,150	1,170
30° Reflector	30°	5600K	14,000	4,400	2,280
		3200K	11,800	3,770	1,950
Fresnel Lens (Flood)	50°	5600K	5,260	1,980	1,140
		3200K	4,440	1,700	973
Fresnel Lens(Spot)	15°	5600K	28,100	9,810	4,900
		3200K	23,900	8,310	4,190
Fresnel Lens(Medium)	30°	5600K	18,108	6,690	3,390
		3200K	15,300	5,650	2,890

Product Kit



PL50001

Orion 675 FS Standard Kit

- An Orion 675 FS
- A 30 degree reflector
- A 55 degree reflector
- A 10m power cable
- Carton package

PL50002

Orion 675 FS Standard Kit with hard rolling case

- An Orion 675 FS
- A 30 degree reflector
- A 55 degree reflector
- A 10m power cable
- A hard rolling case (30KG with light, 816x522x320mm)



Light Shape Control



PL50003

Orion 675 FS Fresnel Kit

10" Fresnel Lens
10" barndoor
Fresnel travel bag



PL50004

Orion 675 FS Lantern Softbox Kit

35" Lantern Softbox
Carry bag



PL50005

Orion 675 FS Dome Softbox Kit

60" Dome Softbox with grid
Carry bag



PL50006

Orion 675 FS 30 Degree Reflector

Replacement, included in PL50001



PL50007

Orion 675 FS 55 Degree Reflector

Replacement, included in PL50001



PL50008

Orion 675 FS Fresnel Lens

Replacement, included in PL50003



PL50009

Orion 675 FS Barndoor

Replacement, included in PL50003

Transportation



PL50010

Orion 675 FS Hard Rolling Case

Weight: 30KG with light
Size: 816x522x320 mm



THUNDER ONE

THUNDER LITE



Thunder One is by far one of the most versatile soft light panels. It spreads lights that are brighter, softer and fresher. It combines new semiconductor technology, innovative color-mixing algorithms and latest camera and display research achievements. It's a brand-new weapon you can use for various film and television lighting applications.

Thunder Lite is a middle-size soft light panel among Thunder series. The light aperture is 0.7'x0.3', half the size of the Thunder One.

Thunder series output sun-like light with a correlated color temperature (CCT) ranging from 2,700K to 10,000K. All colors are rendered in a natural way. The CRI is above 95 on average, up to 97. CCT mode also provides Green/Magenta fine tuning to match the true color of the ambient light. Besides sun-like spectrum, Thunder doesn't believe that sunlight is the only criterion of film and television spectra that never existed in the industry before, rendering colors in a fresher and more preferred way than they are under the sunlight. Advanced modes allow users freely adjust the saturation level of objects or skin tone, without changing the appearance of the light itself, which largely reduces the labor of white balancing after film shooting. Moreover, Thunder supports gel simulation and dynamic lighting effect simulation, all for various needs of film lighting professions.

Thunder series support standard DMX512 protocol, with options of wired DMX, wireless DMX and mobile app via Bluetooth. A built-in power solution allows for extreme portability. The tremendous lumen output, the precise colors, the flicker-free continuous light - all of the carefully designed and manufactured features make Thunder series perfect source for soft light applications.



Specifications

Thunder One	
Optical system	Soft Light Panel
Light Aperture	3.2'x1.6'
Weight	Approx. 16.6kg/36.6lbs (including built-in power supply)
Handling	Aluminum Yoke, Tilt Lock
Mounting	28mm Spigot (Junior Pin)
Tilt Angle	±90°
White Light	2,700K ~ 10,000K with each step of 50K
Color Light	Full RGB+W+A Gamut, with user defined white point
Color Temperature Tolerance	+/-50 (nominal), +/-1/10 Green/Magenta (nominal)
Color Rendering (Thunder One)	Ra>95, TLCI>92 (average)
Color Rendering (Thunder One Pro)	Ra>98, TLCI>99 (average)
Green/Magenta Adjustment	Duv -0.015~0.015 with each step of 0.00015
Dimming	0~100% dimming with each step of 0.1%
Power Supply Input Range	100 to 240V, 50/60Hz
Power Consumption	450~480 W
Control	On-board controller, 5 Pin DMX in/out, Bluetooth mobile app
Software interface	DMX setup, Firmware upgradable via flash drive
Operating Temperature	-20°C to +45°C
Estimated color shift over life time	3 SDCM
Estimated LED Lifetime (L70)	50,000 hours
Screen Luminance	Approx. 60,000 cd/m2
Screen Uniformity	>90%

Thunder Lite	
Optical system	Soft Light Panel
Light Aperture	1.6'x1.6'
Weight	Approx. 9kg/19.8lbs (including built-in power supply)
Handling	Aluminum Yoke, Tilt Lock
Mounting	28mm Spigot (Junior Pin)
Tilt Angle	±90°
White Light	2,700K ~ 10,000K with each step of 50K
Color Light	Full RGB+W+A Gamut, with user defined white point
Color Temperature Tolerance	+/-50 (nominal), +/-1/10 Green/Magenta (nominal)
Color Rendering	CRI>95 (nominal)
Green/Magenta Adjustment	Duv -0.015~0.015 with each step of 0.00015
Dimming	0~100% dimming with each step of 0.1%
Power Supply Input Range	100 to 240V, 50/60Hz
Power Consumption	250~300 W
Control	On-board controller, 5 Pin DMX in/out, Bluetooth mobile app
Software interface	DMX setup, Firmware upgradable via flash drive
Operating Temperature	-20°C to +45°C
Estimated color shift over life time	3 SDCM
Estimated LED Lifetime (L70)	50,000 hours
Screen Luminance	Approx. 60,000 cd/m2
Screen Uniformity	>90%

Photometrics

Thunder One										
Distance	1m/3.28ft		3m/9.8ft		5m/16.4ft		7m/23ft		9m/29.5ft	
CCT	3200K	5600K	3200K	5600K	3200K	5600K	3200K	5600K	3200K	5600K
Illuminance(standard diffuser)	12200 lx	11950 lx	1580 lx	1558 lx	643 lx	627 lx	365 lx	357 lx	234 lx	231 lx
	1133 fc	1110 fc	147 fc	145 fc	60 fc	58 fc	34 fc	33 fc	22 fc	21 fc
Illuminance(with intensifier)	18103 lx	17521 lx	2353 lx	2285 lx	950 lx	934 lx	544 lx	526 lx	351 lx	336 lx
	1681 fc	1627 fc	219fc	212 fc	88 fc	87 fc	50 fc	49 fc	33 fc	31 fc

Thunder Lite										
Distance	1m/3.28ft		3m/9.8ft		5m/16.4ft		7m/23ft		9m/29.5ft	
CCT	3200K	5600K	3200K	5600K	3200K	5600K	3200K	5600K	3200K	5600K
Illuminance(standard diffuser)	8032 lx	7808 lx	880 lx	898 lx	326 lx	347 lx	176 lx	190 lx	110 lx	121 lx
	746 fc	725 fc	82 fc	83 fc	30 fc	32 fc	16 fc	18 fc	10 fc	11 fc
Illuminance(with intensifier)	11957 lx	11711lx	1286 lx	1341 lx	483 lx	517 lx	261 lx	277 lx	163 lx	178 lx
	1111 fc	1088 fc	119 fc	125 fc	45 fc	48 fc	24 fc	26 fc	15 fc	17 fc

Product Kit



PL30001

Thunder One Standard Kit

- A Thunder One RGBWA Softlight panel (450W)
- A 5m power cable
- A 3m DMX cable

PL40001

Thunder Lite Standard Kit

- A Thunder Lite RGBWA Softlight panel (250W)
- A 5m power cable
- A 3m DMX cable



Light Shape Control



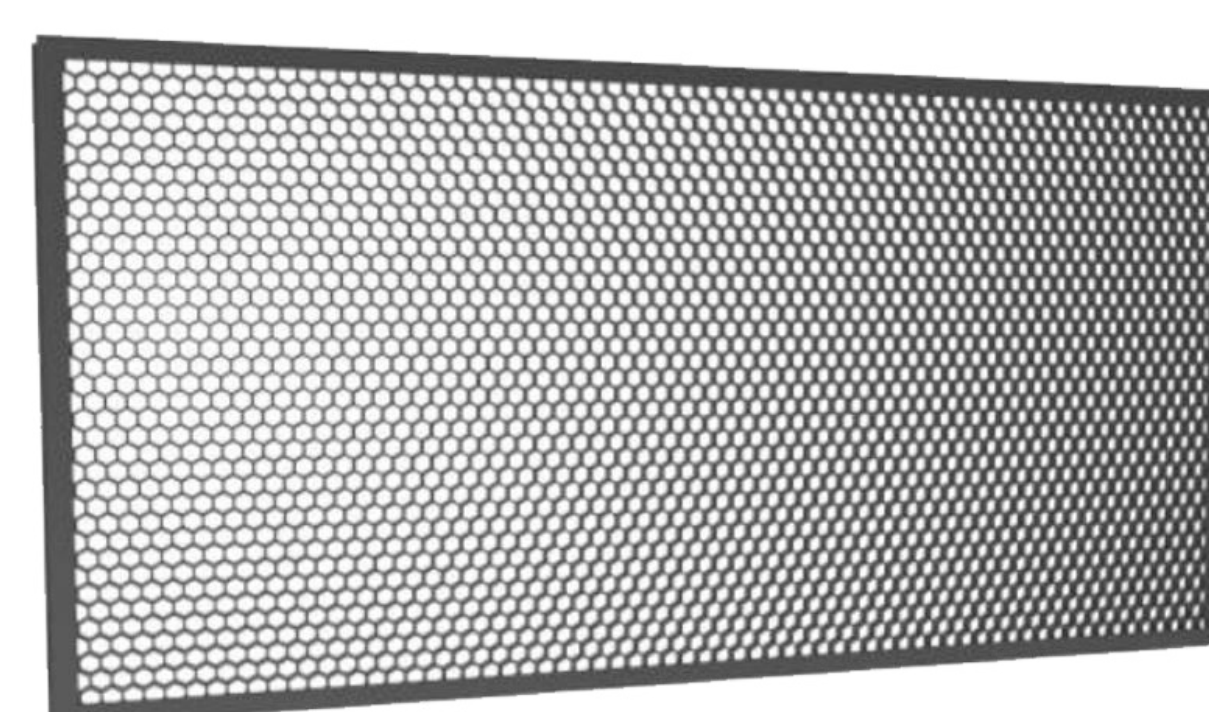
PL30002

Thunder One 4-leaf barndoor



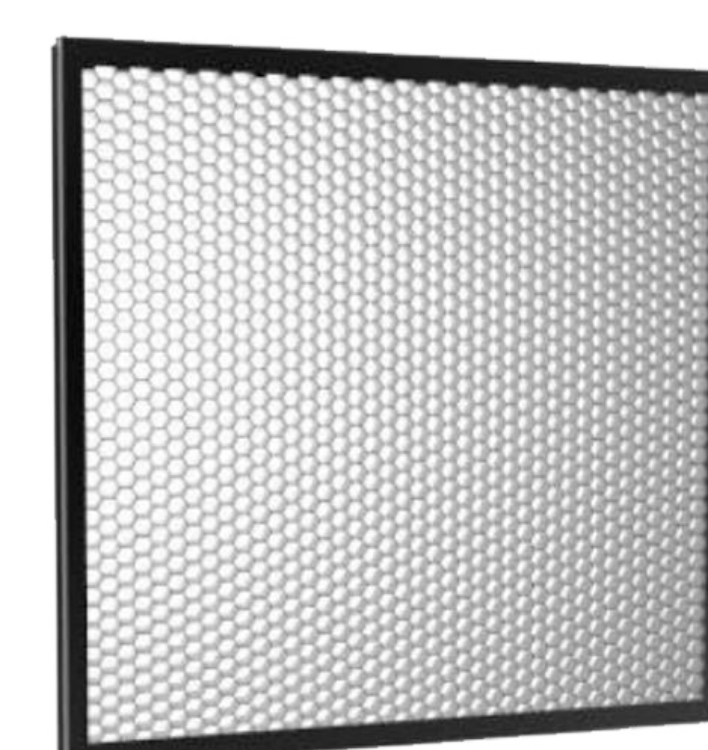
PL40002

Thunder Lite 4-leaf barndoor



PL30003

Thunder One Honey Comb



PL40003

Thunder Lite Honey Comb



PL30004

Thunder One Intensifier



PL40004

Thunder Lite Intensifier



PL30005

Thunder One Rectangular Softbox



PL40005

Thunder Lite Rectangular Softbox

Transportation



PL30008

Thunder One Case



PL40008

Thunder Lite Case

Cables



PL30006

Thunder Battery Adapter Kit

A center mount lock
A Thunder battery plate
Power cable



PL30007

Omni-direction Mount Kit

A center mount lock
An omni-direction L-shape yoke



PL90001

Direct Power Cable 5m



PL90002

Direct Power Cable 10m



PL90003

Dual Head Power Cable 5m



PL90004

Dual Head Power Cable 10m



PL90005

DMX Cable 3m



PL90006

DMX Cable 10m

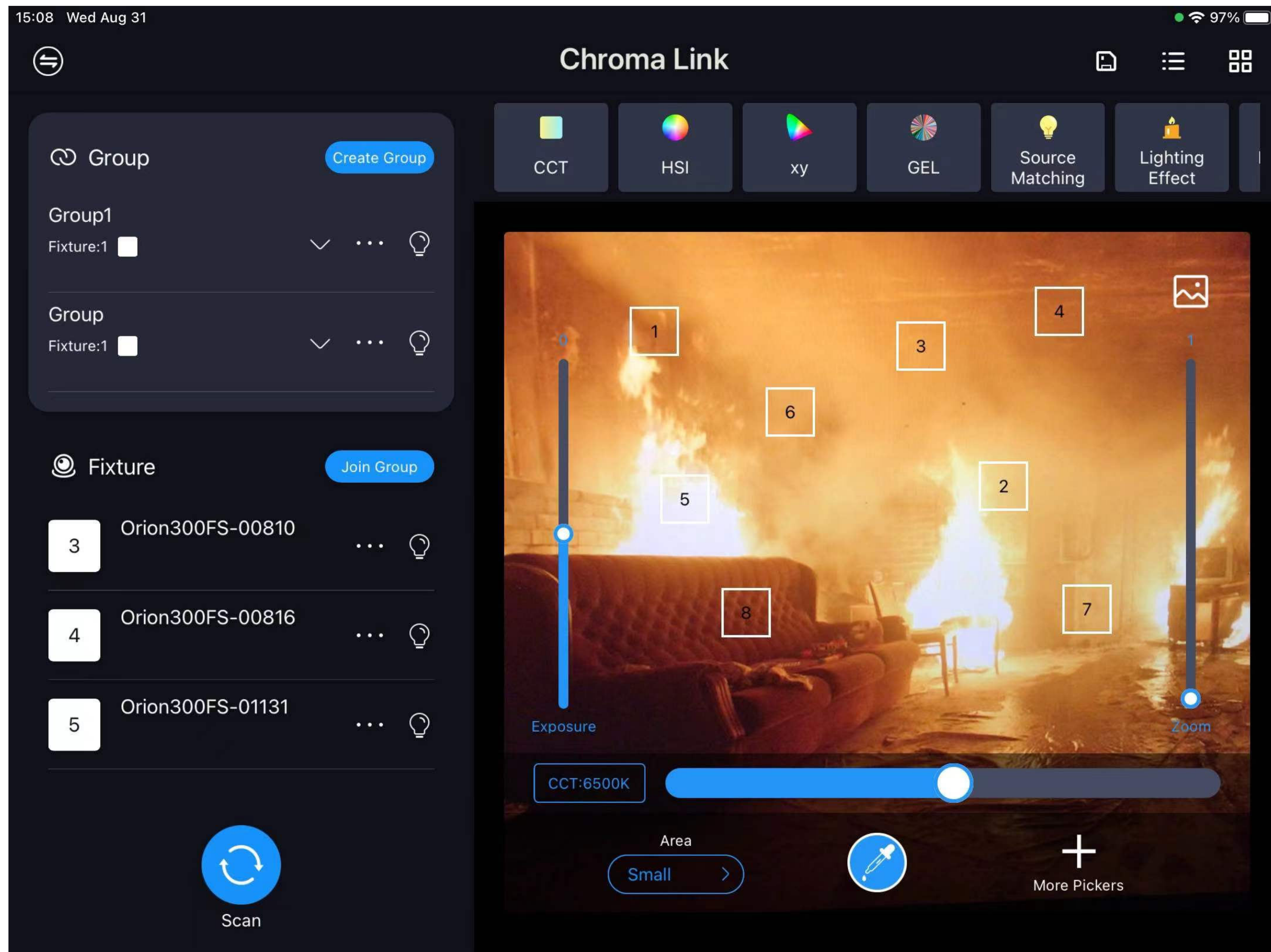
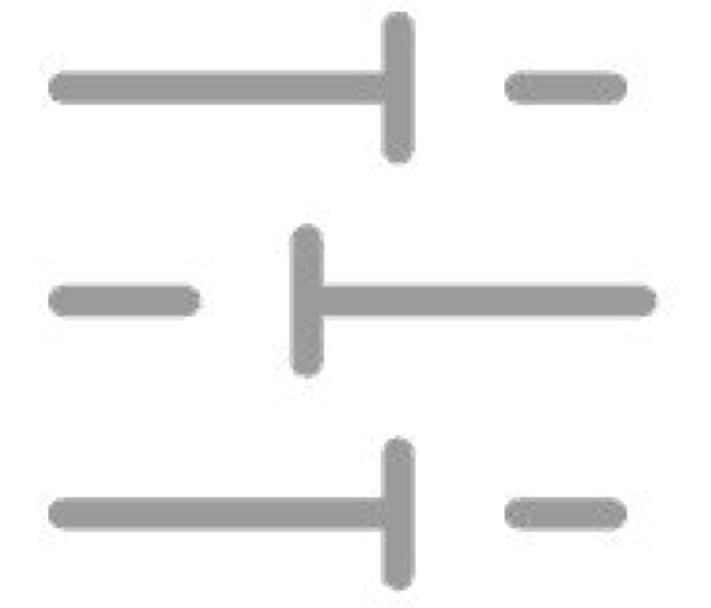


PL90007

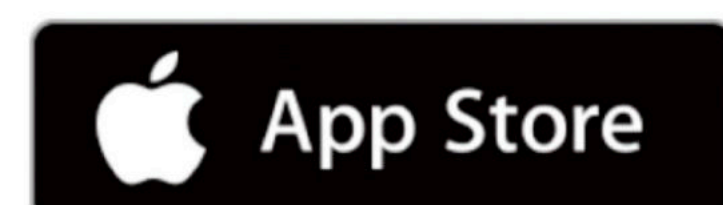
DMX Wireless Antenna



ChromaLink APP



- Group control multiple devices via Bluetooth or Wifi
- Realtime Color Tracking using the camera of the Phone/Tablet



EIGHT COLOR MODES

HSI | Gel | Lighting Effect
 Individual Colors | Source Matching
 Recording | Color Picker
 x/y Coordinates



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