



Type(s)

Project

Date

Notes

GENERAL INFORMATION

ColorSource PAR V Zoom is an LED luminaire crafted by lighting experts with a proven history of quality. The manual zoom eliminates the need for additional diffusion and lets you change between spot and wash with a twist of the wrist. With a balanced mix of red, green, blue, indigo, and lime LEDs, and impressive brightness, this will become your new go-to fixture. Add in the features available on all ColorSource V fixtures — Multiverse® wireless, NFC configuration, and next-level brightness — and you have another flexible, workhorse fixture from ETC.

FEATURES

- Five-color array (red, green, blue, indigo, and lime)
- Manual 19–41 degree zoom
- Simple user interface with seven-segment display
- powerCON® TRUE1® TOP connector
- DMX/RDM in and thru (5-pin XLR)
- Multiverse wireless DMX/RDM
- NFC (near field communication) configuration
- LED droop compensation
- Optically calibrated
- Tour-ready, aluminum housing

APPLICATIONS

- Theatres and performance spaces
- Houses of worship
- Universities and schools
- Hospitality
- Retail
- Exhibition centers
- Meeting rooms
- Clubs
- Cafeteriums

ORDERING INFORMATION

ColorSource PAR V Zoom

Model	Description	ETL Part Number	CE Part Number	
CSPARVZMV	ColorSource PAR V Zoom LED Fixture, black	7421A1010	7421A1210	

Color options: -1 = white, -5 = silver gray, -8 = custom colors.

Also available without Multiverse wireless control. Contact your dealer for ordering information.

Additional ordering information (including accessories) can be found on pages 6–7.

PRODUCT SPECIFICATIONS

Source

LED details	34 Lumileds LUXEON® C LEDs
Max lumens	Field: 5,780 Sphere: 6,773
Lumens per watt	Field: 35.7 Sphere: 41.8
L70 rating (hours to 70% output)*	54,000 hours

Color

Colors used	Red, Green, Blue, Indigo, Lime
Color temperature range	Color mixing
Calibrated array	Yes
Red shift	No

Optical

Beam angle range	19°–41°
Gate size	N/A
Aperture size	190 mm (7.48 in)
Pattern projection	No
Pattern size	N/A
Camera flicker control/Hz range	5,000 Hz (default) and 25,000 Hz (via RDM)

Control

Input method	5-Pin XLR, Multiverse wireless, and NFC
Protocols	DMX-512, RDM, City Theatrical Multiverse, NFC
Modes (footprint)	5 modes, see page 6
RDM configuration	Yes
UI type	Seven-segment display, three-button interface
Local control	Yes
Onboard presets	Yes (12)
Onboard sequences	Yes (5)
Onboard effects	No
FixtureLink	Yes
Notes	15-bit virtual dimming engine

Wireless

Band	2.400–2.480 GHz
Range	100 m indoors, 500 m line of sight (subject to conditions)
Max receivers	DMX: No limit RDM: Varies by transmitter used Multiverse SHoW Baby®: 585 Multiverse Transmitter: 5,000
Broadcast power	100 mW

Electrical

Voltage range	100–240 VAC 50/60 Hz
Input method	powerCON TRUE1 TOP power in and thru
Inrush (first half-cycle)	120 V: 31 A 240 V: 66 A
Fixtures per circuit on standard R20 breaker	6 (link up to 5 via Power Thru connector)* Note: TRUE1 connector rated for 20 A (120 V / 60 Hz) and 16 A (240 V / 50 Hz)
Wattage (typical)	120 V: 162 W 230 V: 160 W
Current draw	120 V: 1.36 A 230 V: 0.74 A

*Note: All measurements are for 120 V, 60 Hz. Results may vary in different regions.

Thermal

Ambient operating temp	0°C–40° C (32°F–104° F)
Fan (controllable)	Yes (yes)
Droop compensation	Yes
Average dB	23.9 dBA
BTUs/hour (120 V)	512

Physical

Materials	Cast and extruded aluminum
Color options	Black, white, silver, or custom color
Mounting options	Yoke
IP rating	IP20
Weight	4.45 kg (9.8 lb)
Included accessories	Yoke, power cable

Warranty

Fixture	5 years
LED array	10 years

Regulatory and Compliance

Approved regulatory standards	cETLus Listed Conforms to UL 1573 Complies to CSA C22.2 No. 166.0 CE & UKCA compliant
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Note: All LED sources experience some lessening of light output and some color shift over time. LED output will vary with thermal conditions. In individual situations, LEDs will be used for different durations and levels. This can eventually lead to minor alterations in color performance, necessitating slight adjustments to presets, cues or programs.

PRODUCT FEATURES

**RGBIL ARRAY**

The custom five-color blend of LEDs incorporates indigo and lime to increase spectral reach and color depth.

**WIRELESS**

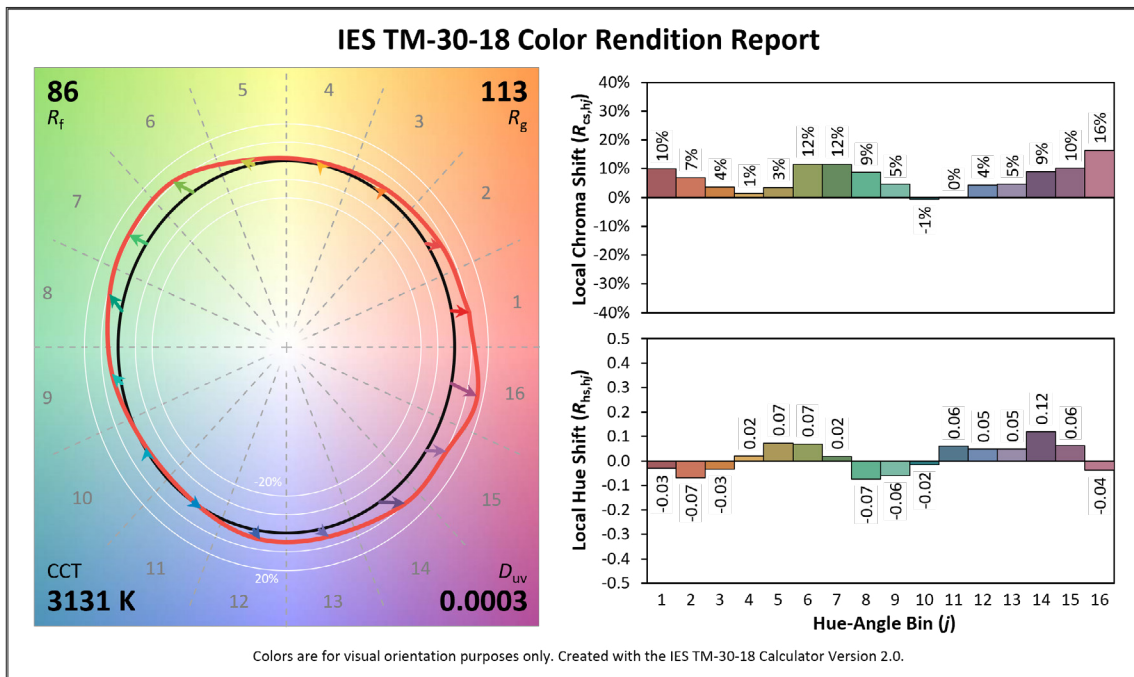
Multiverse gives you up to 10 universes of wireless DMX/RDM control. And NFC configuration is standard with ETC's free Set Light app on your mobile device.

**MANUAL ZOOM**

Adjust the zoom range from 19 to 41 degrees with the simple turn of a dial.

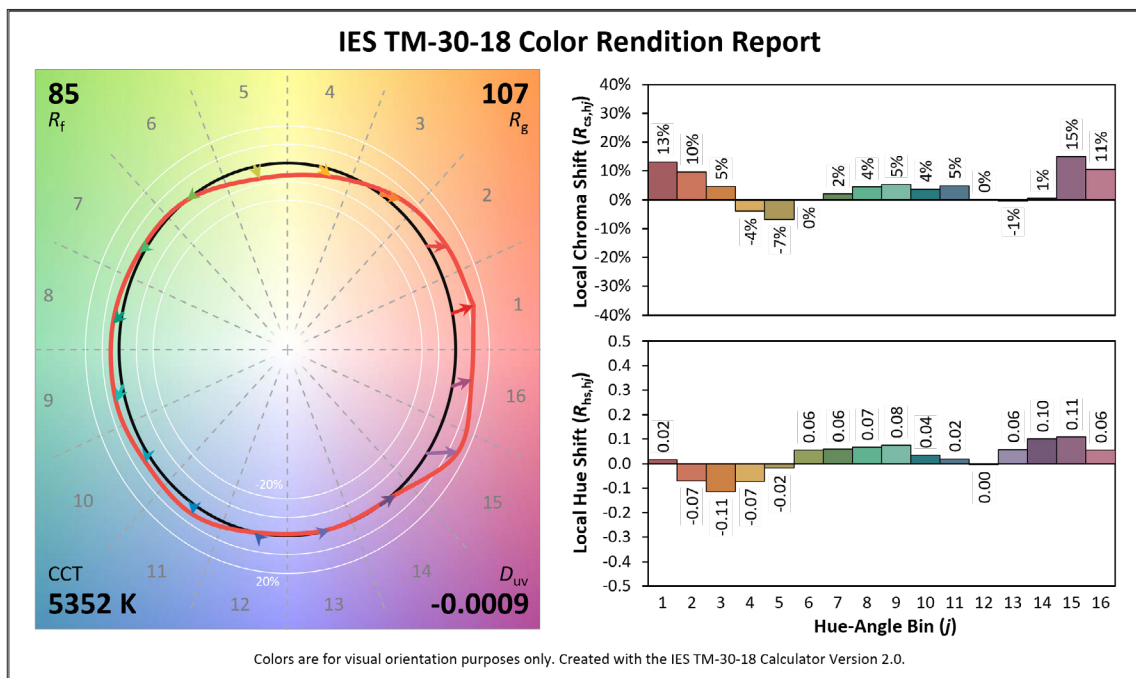
COLOR METRIC INFORMATION

COLORSOURCE PAR V ZOOM 3200 K TM-30-18



COLOR METRIC INFORMATION

COLORSOURCE PAR V ZOOM 5600 K TM-30-18

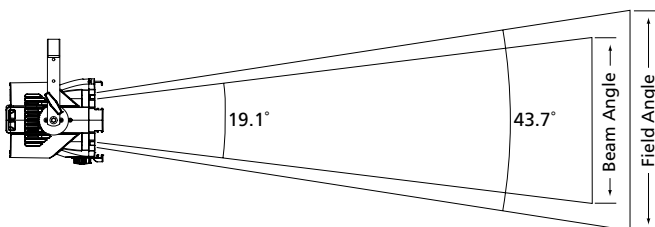


PHOTOMETRY INFORMATION

ColorSource PAR V Zoom Spot

Mode	Degree	Candela	Field Lumens	Beam Lumens	Sphere Lumens	Power Consumption	Lumens Per Watt
Full On Direct	19.1	37,695	4,945	1,811	6773	162	30.5
3200 K	19.1	34,087	4,284	1,570	6016	126	34
5600 K	19.4	30,747	4,046	1,492	6103	149	27.2

Metric conversions: For meters, multiply feet by 0.3048. For lux, multiply footcandles by 10.76.



Throw Distance (d)	10 ft 3.0 m	15 ft 4.6 m	20 ft 6.1 m	25 ft 7.6 m	75 ft 22.9 m
Field Diameter	8.0 ft 2.4 m	12 ft 3.7 m	16 ft 4.9 m	20 ft 6.1 m	—
Illuminance (fc)	429	191	107	69	1
Illuminance (lux)	4,617	2,052	1,154	739	10.76

To determine center beam illumination in footcandles at any throw distance, divide candela by the throw distance squared.

For field diameter at any distance, multiply distance by 0.801.

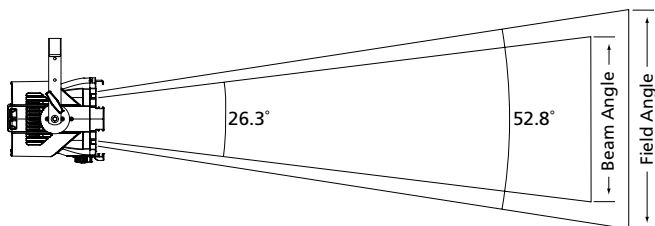
For beam diameter at any distance, multiply by 0.336.

PHOTOMETRY INFORMATION

ColorSource PAR V Zoom Mid

Mode	Degree	Candela	Field Lumens	Beam Lumens	Sphere Lumens	Power Consumption	Lumens Per Watt
Full On Direct	26.3	24,741	5,245	2,402	6751	162	32.4
3200 K	26.3	19,366	4,742	2,272	6003	126	37.6
5600 K	26.3	18,499	4,485	2,157	6126	149	30.1

Metric conversions: For meters, multiply feet by 0.3048. For lux, multiply footcandles by 10.76.



Throw Distance (d)	10 ft 3.0 m	15 ft 4.6 m	20 ft 6.1 m	25 ft 7.6 m	77.3 ft 23.5 m
Field Diameter	9.9 ft 3.0 m	14.9 ft 4.5 m	19.9 ft 6.1 m	24.8 ft 7.6 m	—
Illuminance (fc)	282	125	70	45	1
Illuminance (lux)	3,030	1,347	758	485	10.76

To determine center beam illumination in footcandles at any throw distance, divide candela by the throw distance squared.

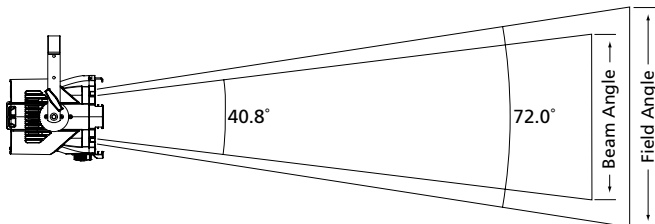
For field diameter at any distance, multiply distance by 0.993.

For beam diameter at any distance, multiply by 0.468.

ColorSource PAR V Zoom Flood

Mode	Degree	Candela	Field Lumens	Beam Lumens	Sphere Lumens	Power Consumption	Lumens Per Watt
Full On Direct	40.8	13,981	5,780	2,796	6,710	162	35.7
3200 K	40.8	11,332	5,172	2,434	5,965	126	41
5600 K	40.8	10,873	4,957	2,341	6,156	149	33.3

Metric conversions: For meters, multiply feet by 0.3048. For lux, multiply footcandles by 10.76.



Throw Distance (d)	10 ft 3.0 m	15 ft 4.6 m	20 ft 6.1 m	25 ft 7.6 m	80.9 ft 24.7 m
Field Diameter	14.5 ft 4.4 m	21.8 ft 6.6 m	29.1 ft 8.9 m	36.3 ft 11.1 m	—
Illuminance (fc)	144	64	36	23	1
Illuminance (lux)	1,549	688	387	248	10.76

To determine center beam illumination in footcandles at any throw distance, divide candela by the throw distance squared.

For field diameter at any distance, multiply distance by 1.453.

For beam diameter at any distance, multiply by 0.743.

CONTROL

DMX Input Channel Profiles

DMX PROFILE	DMX CHANNELS	CHANNEL ASSIGNMENTS	NOTES
Stn: Standard (Default mode)	6	1–Intensity 2–Red 3–Green 4–Blue 5–Strobe 6–Fan	Indigo and Lime are mixed automatically.
RGB	3	1–Red 2–Green 3–Blue	Indigo and Lime are mixed automatically.
1ch: 1-channel	1	1–Intensity	Controls the intensity of Preset 1.
Dir: Direct	8	1–Intensity 2–Red 3–Green 4–Blue 5–Indigo 6–Lime 7–Strobe 8–Fan	Provides direct emitter control.
5ch: 5-channel	5	1–Intensity 2–Red 3–Green 4–Blue 5–Strobe	Uses the legacy white point (5400 K) and strobe function from the original ColorSource family. Indigo and Lime are mixed automatically.

ADDITIONAL ORDERING INFORMATION

Accessories

MODEL	DESCRIPTION	PART NUMBER	
CSPARFSY	Yoke with floor-stand attachment	7412K1000	
407CF	Color frame (7.5 in)	7061A3007	
400SC	Safety cable	7060A1022	
400CC	C-clamp	7060A2009	
400PTH3	Top hat, 3 in	PSF1022	
400PTH6	Top hat, 6 in	PSF1023	
400PHH	Half hat	PSF1027	
400WB	Weighted base	PSF1032	
400XBTH	Cross baffle top hat	PSF1031	
400L	Egg crate louver	PSF1028	
400BD	Barn door, 4-leaf with extension ring, 190 mm (7.5 in), black (for use in inner accessory slot to reduce light leak)	PSF1019	
400BDS	Barn door, 4-leaf with short extension ring, 190 mm (7.5 in), black	PSF1095*	
FRESBD7.5	Studio barn door, 8-leaf, 190 mm (7.5 in), black	PSF1191	
BDS	Studio barn door, 4-leaf, 190 mm (7.5 in), black	PSF1101	

*Use of the barn door will reduce beam angle in wide settings

ADDITIONAL ORDERING INFORMATION

Multiverse

MODEL	DESCRIPTION	PART NUMBER	
CT-5900	City Theatrical Multiverse SHoW Baby	4360A1091	
CT-5902	City Theatrical Multiverse Node 900 MHz / 2.4 GHz	4360A1092	
CT-5903	City Theatrical Multiverse Node 2.4 GHz	4360A1093	
CT-5910	City Theatrical Multiverse Transmitter 900 MHz / 2.4 GHz	4360A1094	
CT-5911	City Theatrical Multiverse Transmitter 2.4 GHz	4360A1095	

Power Input Cables

Use information below to order 1.5 m (5 ft) power input leads with factory-fitted connectors. CE fixtures ship with powerCON TRUE1 TOP to bare end cables in the box.

MODEL	DESCRIPTION	PART NUMBER (NOT CE)	
T1PA-A	1.5 m (5 ft) Edison plug to TRUE1 receptacle, UL 1573, black	2500B7029-A	
T1PA-B	1.5 m (5 ft) Stage Pin plug to TRUE1 receptacle, UL 1573, black	2500B7029-B	
T1PA-C	1.5 m (5 ft) Twist Lock plug to TRUE1 receptacle, UL 1573, black	2500B7029-C	
T1PA-X	1.5 m (5 ft) Bare end pigtail to TRUE1 receptacle, UL 1573, black	2500B7029-X	

Power Thru Jumpers

Note: Power thru jumpers connect to a fixture's output (thru) connector to provide a link to successive fixtures.

MODEL	DESCRIPTION	PART NUMBER (NOT CE)	
T1PJ-5	1.5 m (5 ft) TRUE1 plug to TRUE1 receptacle fixture power jumper, UL rated, black	2500B7030	
T1PJ-10	3 m (10 ft) TRUE1 plug to TRUE1 receptacle fixture power jumper, UL rated, black	2500B7031	
DPT1A-5	1.5 m (5 ft) powerCON plug (gray) to TRUE1 receptacle adapter cable, black	2500B7038	
T1DPA-5	1.5 m (5 ft) TRUE1 plug to powerCON receptacle (blue) adapter cable, black	2500B7039	

PHYSICAL

ColorSource PAR V Zoom Dimensions

Model	Height		Width		Depth	
	mm	in	mm	in	mm	in
PAR V Zoom	320	12.6	250	9.83	248	9.75

ColorSource PAR V Zoom Weights

Model	Weight		Shipping Weight	
	kg	lb	kg	lb
PAR V Zoom	4.45	9.8	5.26	11.6

COLORSOURCE PAR V ZOOM

