

# LED Luminaires

By JustinLang

In this month's Buyer's Guide, we take a look at LED Luminaires. Specifically, PAR-like fixtures that provide us with a seemingly infinite array of colors, made possible by the additive color mixing system that LEDs have to offer.

The advantages in terms of colors, energy savings and cost of ownership with these types of fixtures over conventional alternatives almost make them no-brainer for washing a stage, backlighting or any other general purpose wash situation.

All of these fixtures listed have one common feature, the ability to give a designer/programmer any color they want with a twist of an encoder. Their differences emerge in the LEDs beyond RGB — White, Amber, or even UV — along with extra features like zoom and strobing.

Then of course there are considerations, including the overall design, number of LEDs, fixture beam angles and price point. As always, our Buyers Guides provide a sampling of current manufacturer offerings. Be sure to visit their websites for more information on their complete range of fixtures, and visit their open house events and trade show booths to see how the actual fixtures perform.



	Product Name	LED Colors	LED Source	Total LEDs	Zoom	RDM Ready	Strobe	Lens Options	Max DMX Addresses Used	Cooling	Size	Weight	Total Amps Used	Retail Price	Comments
<b>ADJ</b> adj.com	5P HEX	Red, Green, Blue, White, Amber & UV	10W HEX (6-IN-1)	5	No	No	Yes	No	12	Forced Air	8.25" x 4" x 8.75"	5 lbs	0.4	\$279.95	The ADJ 5P Hex is a versatile LED Par fixture with five 10W, 6-in-1 HEX LEDs. With a 30° beam angle, users may produce wide washes with smooth color mixing from 63 built-in color macros utilizing red, green, blue, amber, white and UV LEDs.
<b>Apollo Design Technology</b> apollo.design.net	AVERE 4UV	RGBW	5 x 2.8W 365nm High Efficacy UV LEDs	5	No	No	No	Yes	0	Natural Convection	4.90" x 6.83" x 8.39"	5.95 lbs	0.154	\$1,185	A compact, weatherproof, fanless fixture that outputs true 365nm radiated wavelength with 18.5W of power. Built in the U.S. from machined aircraft-grade aluminum that combines low weight with durability.
<b>Chauvet Professional</b> chauvetpro.com	COLORado 2-Quad Zoom Tour	Red, Green, Blue, White	15W Quad-Color	14, 4-in-1	Yes	No	Yes	No	17	Forced Air	11.1" x 9.3" x 13.8"	17.8 lbs	1.71	\$1,469.99	The COLORado 2-Quad Zoom Tour is a PAR-style fixture with 14 quad-color RGBW 15W LEDs, a digitally or manually controlled zoom range and color temperature presets from 3200 to 10000K.
<b>Elation Professional</b> elationlighting.com	Arena Par Zoom	RGBW	Multi-Chip 10Watt Osram	19	Yes	Yes	Yes	No	10	Fan	12.8" x 10.9" x 14.5"	15.9 lbs	2	\$1,799.95	Features include a 10° to 60° motorized zoom, variable strobe macros, selectable dimming curves, flicker free operation, 3- and 5-pin in/out DMX and powerCON in/out connections and a four-button touch menu LCD display.
<b>ElektraLite</b> myelektralite.com	eyeBall 5-in-1	RGBAW	12 Watt LEDs	7	No	No	Yes	Yes	12	Fan	8.6" x 6.5" x 6.5"	4.6 lbs	1.9	\$299	Able to fit in tight spaces, and designed with a low profile for low ceiling applications, the eyeBall is well suited for integration into existing spaces and has minimal space requirements for new projects.
<b>ETC (Electronic Theatre Controls)</b> etcconnect.com	Desire D60 Lustr+	Red, White, Amber, Green, Blue, Cyan, Indigo	Luxeon Rebel LED Emitters	60	No	Yes	Yes	Yes	15	Fan	9.8" x 11.4" x 14.2"	19.1 lbs	1.6	By Request	ETC's Selador x7 Color System produces the widest range of spectrally balanced saturated and tinted color choices available. Rugged die-cast enclosure; quiet, fan-cooled operation; multiple lens options; and advanced user interface.
<b>Lightronics</b> lightronics.com	FXLD1018FRP5I	RGBAW	10 watt LED	18	No	No	Yes	Yes	9	Fan	13.3" x 11.8" x 4.5"	16.5 lbs	1.6	By Request	The FXLD1018FRP5I is a RGBAW LED lighting fixture. It is suitable for stage, disco, night club, and other artistic applications. It has several stand-alone control modes and can operate via a DMX-512 external signal.
<b>Mega-Lite</b> mega-lite.com	VAZT LED P100	RGBAW	Single Point LED Light Source	1	No	No	Yes	No	8	Fan	11" x 10.75" x 8.68"	6 lbs	1.58	\$489	The fixture comes with a frosted diffuser and gel frame holder. Barn doors are also available.
<b>Morpheus Lights/Ayrton</b> morpheuslights.com	Ayrton ICECOLOR 250	RGBW (warm white)	Osram	80	No	No	Yes	Yes	16	Forced Air	17.5" x 10.5" x 8.5"	28.5 lbs	2	\$2,700	Ayrton's ICECOLOR 250, distributed by Morpheus Lights, includes 20 10W RGBW LEDs in a compact design. A fanless cooling system means completely silent operation. The beam angle is an 11° circle; optional beam-shaping filters are available.
<b>OmniSistem</b> omnisistem.com	Chameleon Pro	RGBW	Quad 10 Watt LEDs	4	No	No	Yes	Yes	8	Forced Air	5.5" x 5.5" x 4"	6 lbs	0.33	By Request	The Chameleon Pro is a small LED Par can with four 10W quad color LEDs with a beam angle of 25 degrees. The fixture includes data and power pass-through with a master/slave and sound activation setting.
<b>Philips Entertainment</b> philips.com/showline	Showline SL PAR 155 Zoom	RGBW	15W RGBW LEDs	9	Yes	Yes	Yes	No	16	Forced Air	13" x 11" x 17"	17.6 lbs	1.25	\$832	This die-cast aluminum LED Par can produces more than 3200 lumens with an 8°-40° zoom. It can light stages, buildings, clubs, or other entertainment and architectural elements with the high output and color uniformity.
<b>PR Lighting</b> pr-lighting.com	XPar 360	RGBWA	3W LEDs	60	No	No	Yes	Yes	16	Forced Air	12.6" x 10.9" x 8.9"	8.6 lbs	1.6	\$852	Offers 60 3W Osram LEDs (RGBWA), smooth color mixing, wide color temperatures (3200K to 10000K), fast strobe, light weight and small sizes. It is designed for TV, concert and other applications.
<b>Robe Lighting Inc.</b> robelighting.com	ParFect 100	RGBW	RGBW LED multichips	12	No	Yes	Yes	Yes	35	Fan	13.5" x 9.5" x 6.8"	9 lbs	2	\$1,399	The ParFect 100 is a static version of the ROBIN 100 LEDBeam manufactured in Europe. It retains all the key features including CMY and RGB color control, tungsten emulation, Zone FX, selectable and variable color temperatures and a 7° beam.
<b>Scenex Lighting by GLP US</b> germanlightproducts.com	IP65 RGB LED Par	RGBW	8 Watt LEDs	14	No	No	Yes	No	8	Fan	9.5" x 7.5" x 11"	11 lbs	1	\$750	Fixture offers homogenized output, an operating temperature range from -40F to 122F, Auto Sensing 100-240V PSU, convection cooling and manual control.