



SquareLED Royal Flash 3000 LED Strobe Light

# Manual | Royal Flash 3000 LED Strobe Light

## Royal Flash 3000 LED Strobe Light

The Royal Flash 3000 LED Strobe is the perfect blend of a traditional strobe and cutting -edge LED technology. It is not only a strobe, but also a creative tool that incorporates backlight illumination with RGB -controlled LEDs pointing into the reflector. It delivers stunning eye candy looks similar to the Aura (backlight) array .

### Features

- Classic reflector look
- Aura backlight (RGB) into reflector
- Dimmable house -light function at reduced brightness and power consumption
- LED and Xenon mode available via menu and DMX control channel
- 4 button menu and LCD display for quick and easy setting adjustment
- Clever rigging and bracket solution
- 4 Channel DMX mode as Atomic 3000 (easy replacement)
- 14 Channel Extended DMX mode incl. Aura control and internal FX macros

### Technical Specifications

- Light source: 228x3W white LEDs (Strobe )  
64x 0.6w RGB LEDs (backlight) array
- Min. LED lifetime: 50 000 hours
- Resolution: 8 bits per color plus 8-bit dimming
- Control systems: DMX
- DMX channels: 3/4/14 Channels
- Setting: Control panel with backlit monochrome display
- N.G: 7kgs /pcs
- G.W: 8.2kgs/pcs
- Packing Size: 50x 24x 34cm (1pcs /carton)  
52x50x39cm (2pcs/carton)
- Flight case : 80x60x69cm (6pcs in 1 case )

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## DMX Channel Modes

### 3-DMX channel mode table:

3 CH	Function	Value	Introductions
1	Beam flash intensity		Snap
	blackout	0	
	Minimum to maximum intensity	1-255	
2	<b>Beam flash duration</b>		Snap
	7 → 650 ms	0-255	
3	<b>Beam flash rate</b>		Snap
	0.289 → 16.67 Hz	0-255	

### 4-DMX channel mode table:

4 CH	Function	Value	Introductions
1	Beam flash intensity		Snap
	blackout	0	
	Minimum to maximum intensity	1-255	
2	<b>Beam flash duration</b>		Snap
	7 → 650 ms	0-255	

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4 CH	Function	Value	Introductions
3	<b>Beam flash rate</b>		Snap
	0.289 → 16.67 Hz	0-255	
4	<b>Beam effect</b>		
	No effect	0-5	Snap
	Ramp up	6-42	
	Ramp down	43-85	
	Ramp up, Ramp down	86-128	
	Random	129-171	
	Lightning	172-214	
	Spikes (flash over low light)	215-255	

## 14-DMX Model (Extend) table:

14 CH	Function	Value	Introductions
1	<b>Beam flash intensity</b>		
	blackout	0	
	Minimum to maximum intensity	1-255	
2	<b>Beam flash duration</b>		
	7 → 650 ms	0-255	
3	<b>Beam flash rate</b>		Snap
	0hz	0-5	
	0.289 → 16.67 Hz	6-255	

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14 CH	Function	Value	Introductions
4	<b>Beam effect</b>		Premise: 3 dmx channels greater than 5 dmx channels
	No effect	0-5	
	Ramp up	6-42	
	Ramp down	43-85	
	Ramp up, Ramp down	86-128	
	Random	129-171	
	Lightning	172-214	
	Spikes (flash over low light)	215-255	
5	<b>Control / setting</b>		
	No function		
	Reset the entire fixture - 5 seconds	0-9	
	No function	10-14	
	Linear dimming curve - 1 sec. (menu override, setting unaffected by power off/on)	15-22	
	Square law dimming curve - 1 sec. (menu override, factory default setting, setting unaffected by power off/on)	23	
	Inverse square law dimming curve - 1 sec. (menu override, setting unaffected by power off/on)	24	
	S-curve dimming curve - 1 sec. (menu override, setting unaffected by power off/on)	25	
	No function	26	
	Turn on control panel display - 1 sec.	27-51	
	Turn off control panel display - 1 sec	52	
	Regulated fans speed, fixed light output intensity = full (default setting, menu override, setting unaffected by power off/on)	53	
	Fixed fan speed = full, regulated light output intensity (menu override, setting unaffected by power off/on)	54	
	Fixed fan speed = full, regulated light output intensity (menu override, setting unaffected by power off/on)	55	

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14 CH	Function	Value	Introductions
5	Fixed fan speed = medium, regulated light output intensity (menu override, setting unaffected by power off/on)	56	
	Fixed fan speed = low, regulated light output intensity (menu override, setting unaffected by power off/on)	57	
	Fixed fan speed = ultra low, regulated light output intensity (menu override, setting unaffected by power off/on)	58	
	Strobe behavior = LED (menu override, setting unaffected by power off/on)	59	
	Strobe behavior = Xenon (menu override, setting unaffected by power off/on)	60	
	No function	61-255	
6	FX select	0-255	
7	<b>FX adjustment</b>		
	Synchronous speed adjust, zero to maximum	0-255	
8	No function	0-255	
<b>Aura control channels</b>			
9	Shutter closed	0-19	Snap
	Shutter open	20-49	
	Flash , slow → fast	50-200	
	Shutter open	201-210	
	Random flash, slow → fast	211-255	
10	Aura dimming	0-255	Fade
	Closed → Open		
11	Aura R	0-255	Fade
	0% → 100%		
12	Aura G	0-255	Fade
	0% → 100%		
13	Aura B	0-255	Fade
	0% → 100%		

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14 CH	Function	Value	Introductions
	<b>Aura Color preset</b>		
<b>14</b>	Open. RGB color mixing enabled	0-10	
	Color 1 - LEE 790 - Moroccan pink	11-15	
	Color 2- LEE 157-pink	16-20	
	Color 3 - LEE 332- Special rose pink	21-25	
	Color 4 LEE 328- Follies pink	26-30	
	Color 5-LEE 345- Fuchsia pink	31-35	
	Color 6- LEE 194-Surprise pink	36-40	
	Color 7-LEE 181-Congo blue	41-45	
	Color 8-LEE 071- Tokyo Blue	46-50	
	Color 9 - LEE 120 - Deep Blue	51-55	
	Color 10-LEE 079- Just Blue	56-60	
	Color 11-LEE 132-Medium Blue	61-65	
	Color 12- LEE 200- Double CT blue	66-70	
	Color 13-LEE 161- Slate Blue	71-75	
	Color 14- LEE 201-Full CT Blue	76-80	
	Color 15- LEE 202-Half CT blue	81-85	
	Color 16-LEE 117 - steel blue	86-90	
	Color 17-LEE 353-Lighter blue	91-95	
	Color 18-LEE 118-Light Blue	96-100	
	Color 19-LEE 116- Medium Blue Green	101-105	
	Color 20-LEE 124-Dark green	106-110	
	Color 21-LEE 139- Primary Green	111-115	
	Color 22-LEE 089-moss green	116-120	
	Color 23-LEE 122- Fern Green	121-125	
	Color 24-LEE 738- JAS Green	126-130	
	Color 25-LEE 088-Lime Green	131-135	
Color 26-LEE 100- Spring Yellow	136-140		

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14 CH	Function	Value	Introductions
14	Color 27-LEE 104-Deep Amber	141-145	
	Color 28-LEE 179-Chrome Orange	146-150	
	Color 29-LEE 105-Orange	151-155	
	Color 30-LEE 021-Golden Amber	156-160	
	Color 31-LEE 778- Millennium Gold	161-165	
	Color 32-LEE 135- Deep Golden Amber	166-170	
	Color 33-LEE 164- Flame red	171-175	
	Color 34-Magenta	176-180	
	Color 35- Medium Lavender	181-185	
	Color 36- withe	186-190	
	<b>Aura' color wheel rotation' Effect</b>		
15	clockwise, fast → slow	191-214	
	Stop (this will stop wherever the color is at the time)	215-219	
	Counter-clockwise, slow → fast	220-243	
	<b>Aura Random colors</b>		
16	Fast	244-247	
	Medium	248-251	
	Slow	252-255	





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