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LED SERIES

PRO RGB PARS



ARCHITECTURAL * DISPLAY * ENTERTAINMENT * RETAIL



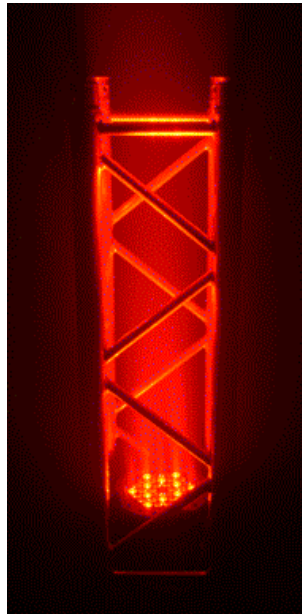
Whether you are in a band, part of a stage performance or just want to add color washes with RGB infinite color mixing possibilities to any lighting installation, the LED PRO RGB PAR is the perfect solution to brilliantly light up any stage or surface. This projector is equipped with LEDs for an ultra bright punch and features DMX-512. The LED PRO RGB PAR is also performer friendly because it emits almost no heat onto the stage thus entertainers will stay cooler on stage. Just add the LED PRO RGB PAR punch and you have got the optimal stage light show! With 50,000-100,000 hour lamp life (depending on model) the fixture will need virtually no servicing and produces the highest quality of output without color fading.

Based on new generation of LEDs as well as refined control electronics, we have come up with some new exciting models to complete the range, such as the I-Par 36 Plus and I-Studio Zoom, all new creations designed to deliver unprecedented business values. The master and slave settings on-board allow the units to run in programs without any external controllers.

PWM (Pulse Width Modulation) driving electronics is currently the only optimal technology appropriate for LED drivers. Other manufacturers increase input electrical current to boost the brightness of LEDs, at the great expense of LED reliability. With transformers, if one LED burns out, the next LEDs in a series would pass out in succession. PWM eliminates those issues.

The newly introduced 8mm Turbo LED, each single piece of the 0.35W/8mm LED is supposed to be about 7 times higher in output than regular 5mm or 10mm LED.

The family includes a variety of pars aptly called I-PAR (I for Intelligent) in 36, 56 and 64 as well as the I-STUDIO (I for Intelligent).



FEATURES AND BENEFITS

- Solid State Lighting
- PWM (Pulse Width Modulation) driving electronics
- Full RGB color mixing
- Auto, Master/Slave, DMX
- On-board DMX (addressable via dip switches or LCD display)
- Full dimming capacity
- Built-in sound active programs
- Virtually no UV or IR
- No mercury or hazardous metals

- Emits virtually no heat
- Friendly on the environment
- Friendly on performers
- Virtually no maintenance
- Replacing standard par cans
- Long lamp life
- High quality components and highly skilled workmanship
- Great energy saving
- Easy to install, program and operate

- Lightweight and compact
- Can be installed universally
- Less to carry in mobile applications
- Opening for greater creativity like never before

GENERAL SPECIFICATIONS

Power Input: AC 80-250V, 50/60Hz

Power Output: DC5V/24V/48V

Driving Electronics: PWM technology

Cooling Method: Entire casing as heat sink or forced cooling

Control: Sound, Auto, Master//slave and DMX

DMX In/Out: 5 pin XLR connectors

Beam Angle: 15 degree for regular 5-10mm LED and 30, 45 and 60 degree for high powered 1W/3w LEDs.

Projection Distance: Depends on the type of LEDs and on the number of LEDs and beam angle. We choose 15 degree beam angle for the small LEDs to increase and sharpen the light output and 30 degree as standard for the high powered versions (45 and 60 degree are optional). Depending on model the projection distance is 3 m to 30 m (10 ft to 100 ft).

Housing: Spun aluminum or extruded die cast aluminum.

Finish: Silver or white or black

IP rating: IP20.

Safety: Meets and exceeds all standard international safety requirements. CE approved.

Bracket: U shape.

Mounting: Universal

CONTROL

DMX:

Channel 1: Red

Channel 2. Green

Channel 3. Blue

Channel 4. Linear zooming (only available with I-STUDIO ZOOM)

DMX address: Each channel with Value equals to 0-255 and Function: 0-100% intensity.

SOUND: Sensitivity adjustable from 0-100%

MASTER/SLAVE:

MASTER:

Auto:

01-08: corresponds to static colors of red, green, blue, orange, yellow, cyan purple and pink.

S1-S5: corresponds at strobing at 5 levels of adjustable speed.

M1-M5 corresponds to RGB color mixing effects from fast color changes to slow color fades.

C1-C5 corresponds to 7 color change and color fade at variable speed.

L1-L5 corresponds to linear dimming up bright at variable speed.

D1-D5 corresponds to linear dimming down blackout at variable speed.

B1-B5 corresponds to linear dimming up and down at variable speed.

SLAVE: Pegged to the operation of the master unit in both the sound and auto settings.

**I-PAR
I-PAR 36
I-PAR 36/55-10**

MODEL 36/55-10

55 10MM ULTRABRIGHT LEDS, 19 RED, 18 GREEN, AND 18 BLUE, 15 DEGREE BEAM ANGLE, DC24V/10W, DIP SWITCH, 3 DMX CHANNELS, ON-BOARD CONTROL, PWM DRIVE. DIMENSIONS AND WEIGHT, PLEASE SEE BELOW.

DUE TO CONTINUOUS IMPROVEMENTS, SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE.

I-PAR 36/36-8 PLUS



MODEL 36/36-8

36 8MM TURBO 0.35W LEDS, 12 RED, 12 GREEN, AND 12 BLUE, 15 DEGREE BEAM ANGLE, DC24V/30W, 100MA DRIVE CURRENT, DIP SWITCH, 3 DMX CHANNELS, ON-BOARD CONTROL, PWM DRIVE. DIMENSIONS AND WEIGHT, PLEASE SEE BELOW.

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I-PAR 36/7-1W-HP



MODEL 36/7-1W-HP

7 1W HIGH PERFORMANCE LEDS, 3 RED, 2 GREEN, AND 2 BLUE, 30 (OR 45 AND 60) DEGREE BEAM ANGLE, DC12V/15W, 350MA DRIVE CURRENT, DIP SWITCH, 3 DMX CHANNELS, ON-BOARD CONTROL, PWM DRIVE. DIMENSIONS AND WEIGHT, PLEASE SEE BELOW.

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I-PAR56

I-PAR 56/150-5



MODEL 56/150-5

150 5MM ULTRABRIGHT LEDS, RGB, 54 RED, 48 GREEN, 48 BLUE, DC24V/18W, 15 DEGREE BEAM ANGLE, DIP SWITCH, 3 DMX CHANNELS, ON-BOARD CONTROL, PWM DRIVE. DIMENSIONS AND WEIGHT, PLEASE SEE BELOW.

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I-PAR 56/108-10



MODEL 56/108-10

108 10MM ULTRABRIGHT LEDS, RGB, 36 RED, 36 GREEN, 36 BLUE, DC24V/15W, 15 DEGREE BEAM ANGLE, DIP SWITCH, 3 DMX CHANNELS, ON-BOARD CONTROL, PWM DRIVE. DIMENSIONS AND WEIGHT, PLEASE SEE BELOW.

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**I-PAR 64
I-PAR 64/300-5**



MODEL 64/300-5

300 5MM ULTRABRIGHT LEDS, 96 RED, 102 GREEN, 102 BLUE, DC48V/30W, RGB, 15 DEGREE BEAM ANGLE, DIP SWITCH, 3 DMX CHANNELS, ON-BOARD CONTROL, PWM DRIVE. DIMENSIONS AND WEIGHT, PLEASE SEE BELOW.

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I-PAR 64/150-10



MODEL 64/150-10

150 10MM ULTRABRIGHT LEDS, 54 RED, 48 GREEN, 48 BLUE, DC24V/18W, RGB, 15 DEGREE BEAM ANGLE, DIGITAL DISPLAY, 3 DMX CHANNELS, ON-BOARD CONTROL, PWM DRIVE. DIMENSIONS AND WEIGHT, PLEASE SEE BELOW.

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I-PAR 64/84-8 PLUS



MODEL 64/84-8

84 8MM TURBO 0.35W LEDS, 30 RED, 27 GREEN, AND 27 BLUE, 15 DEGREE BEAM ANGLE, DC24V/40W, 100MA DRIVE CURRENT, DIGITAL DISPLAY, 3 DMX CHANNELS, ON-BOARD CONTROL, PWM DRIVE. DIMENSIONS AND WEIGHT, PLEASE SEE BELOW.

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I-PAR 64/36-1-HP



MODEL 64/36-1W-HP

36 1W HIGH PERFORMANCE LEDS, RGB, 12 RED, 12, GREEN 12 BLUE, DC24V/50W, 350MA DRIVE CURRENT, 30 DEGREE BEAM ANGLE (OR 45 OR 60 DEGREE), DIGITAL DISPLAY, 3 DMX CHANNELS, ON-BOARD CONTROL, PWM DRIVE. DIMENSIONS AND WEIGHT, PLEASE SEE BELOW.

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I-STUDIO I-STUDIO 301



MODEL I-STD-301

30 1W HIGH PERFORMANCE LEDS, RGB, 10 RED, 10 GREEN, 10 BLUE, DC24V/50W, 350MA DRIVE CURRENT, 30 (OR 45 OR 60) DEGREE BEAM ANGLE, DIGITAL OR LCD DISPLAY, 3 DMX CHANNELS, ON-BOARD CONTROL, PWM DRIVE. DIMENSIONS AND WEIGHT, PLEASE SEE BELOW.

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I-STUDIO 303



MODEL I-STD-303

30 3W LUXEON REBEL HIGH PERFORMANCE LEDS, RGB, 10 RED, 10 GREEN, 10 BLUE, DC48V/120W, 700MA DRIVE CURRENT, 30 (OR 45 OR 60) DEGREE BEAM ANGLE, DIGITAL OR LCD DISPLAY, 3 DMX CHANNELS, ON-BOARD CONTROL, PWM DRIVE. DIMENSIONS AND WEIGHT, PLEASE SEE BELOW.

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I-STUDIO 24/3 ZOOM



MODEL I-STD-24/3-Z

24 3W LUXEON REBEL HIGH PERFORMANCE LEDS, RGB, 8 RED, 8 GREEN, 8 BLUE, DC36V/80W, 700MA DRIVE CURRENT, 6 TO 60 DEGREES MOTORIZED ZOOM, DIGITAL OR LCD DISPLAY, 4 DMX CHANNELS, HEAT SINK COOLING, ON-BOARD CONTROL, PWM DRIVE. DIMENSIONS AND WEIGHT, PLEASE SEE BELOW.

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DIMENSIONS AND WEIGHT

MODEL	DESCRIPTION	QUANTITY EACH CARTON	CARTONS	TOTAL QUANTITY	DIMENSIONS OF EACH (CM)		
36/55-10	iPar 36	16 PC	1	16 PC	58.0	35.0	48.0
36/36-8	iPar 36 Plus	16 PC	1	16 PC	58.0	35.0	48.0
36/7-1W-HP	iPar 36 HP	16 PC	1	16 PC	58.0	35.0	48.0
56/150-5	iPar 56	1 PC	1	1 PC	23.0	23.0	29.0
56/108-10	iPar 56 II	1 PC	1	1 PC	23.0	23.0	29.0
64/300-5	iPar 64	1 PC	1	1 PC	26.0	26.0	33.0
64/150-10	iPar 64 II	1 PC	1	1 PC	26.0	26.0	33.0
64/84-8	iPar 64 Plus	1 PC	1	1 PC	26.0	26.0	33.0
64/36-1W-HP	iPar 64 HP	1 PC	1	1 PC	26.0	26.0	35.0
I-STD-301	iStudio 301	1 PC	1	1 PC	30.0	30.0	27.0

I-STD-303	iStudio 303	1 PC	1	1 PC	30.0	30.0	27.0
I-STD24/3-Z	iStudio Zoom	1 PC	1	1 PC	30.0	30.0	27.0

CBM EACH CARTON	TOTAL CARTONS CBM	NET WEIGHT EACH ITEM (KG)	TOTAL NET WEIGHT (KG)	GROSS WEIGHT EACH CARTON (KG)	TOTAL GROSS WEIGHT(KG)
0.097	0.097	1.10	17.6	19.0	19.0
0.097	0.097	1.05	16.8	18.0	18.0
0.097	0.097	1.05	16.8	18.0	18.0
0.015	0.015	2.20	2.2	2.8	2.8
0.015	0.015	2.30	2.3	2.9	2.9
0.022	0.022	2.50	2.5	3.1	3.1
0.022	0.022	2.30	2.3	3.0	3.0
0.022	0.022	2.30	2.3	3.0	3.0
0.024	0.024	2.10	2.1	2.8	2.8
0.024	0.024	4.20	4.2	5.0	5.0
0.024	0.024	4.30	4.3	5.1	5.1
0.024	0.024	4.50	4.5	5.3	5.3