



FORCE V+™

UPGRADE YOUR ELLIPSOIDALS TO LED



FORCE V+ MORE POWER + CRI 90+

The **FORCE V+ LED** from **BBS Lighting** is the most powerful LED 'FORCE' ever. A complete LED Retrofit Kit for third party optics that sets new standards for high output white light LEDs.

Force V+ LED Features

- Optical excellence, no multiple shadows
- Convert existing optics to LED in 1 minute
- Power-saving long LED life
- Ultra silent operation
- Completely smooth full range dimming
- True 8/16 bit flicker-free internal dimmer
- Excellent shadow rendering
- Crisp Gobo projection
- Clean straight cut with shutters
- High speed strobe
- Extended color gel life
- Available in two color temperatures:
 - 3200K CRI 90+
 - 5600K CRI 90+
- DMX 512 in/out
- PowerCon in/out for connecting up to 10 lights end to end power



Force V+ LED Specifications

POWER

AC Power Universal: 100-240V nominal 50/60Hz
 Max Power Consumption: 150W
 240V 0.6A / 120V 1.2A
 PowerCon in/out for daisy-chaining 10 units (PowerCon)

THERMAL

Ambient Operating Temperature: 0-40°C / 0-104°F
 Ultra silent pulse fan assists the large heat sink when needed.

LAMP (high quality LED array)

- 3200K CRI 90+
- 5600K CRI 90+

CONTROL

DMX 512 with 5 pin in and out for daisy chaining plus 8/16 bit dimming 100%-0; ultra fast strobe channel, max 4 channels



WORLD:

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 HIGH-END
 LED LIGHTING
BB&S



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ADDITIONAL INFORMATION

WHERE TO USE FORCE V+ LED:

- Broadcast studios
- Photo shoots
- Film & video production
- Theaters
- Concerts
- Museums
- Churches
- Science centers
- Exhibitions
- Trades
- Fashion shows
- Events
- Venues
- On location
- Display lighting



Force V+ LED 5600K

Meters Feet	1.2m 4 ft	2m 6.5 ft	3m 10 ft	3.6m 12 ft	5m 17 ft	7m 23 ft	9m 30 ft	12m 40 ft
EDLT 19°	55800 Lux 5189 Fc	24800 Lux 2306 Fc	8649 Lux 804 Fc	6200 Lux 577 Fc	3241 Lux 301 Fc	1640 Lux 153 Fc	992 Lux 92 Fc	410 Lux 38 Fc
EDLT 26°	31500 Lux 2930 Fc	14000 Lux 1302 Fc	4883 Lux 454 Fc	3500 Lux 326 Fc	1814 Lux 169 Fc	926 Lux 86 Fc	560 Lux 52 Fc	231 Lux 21 Fc
EDLT 36°	15120 Lux 1406 Fc	6720 Lux 625 Fc	2344 Lux 218 Fc	1680 Lux 156 Fc	871 Lux 81 Fc	444 Lux 41 Fc	269 Lux 25 Fc	111 Lux 10 Fc
EDLT 50°	7695 Lux 716 Fc	3420 Lux 318 Fc	1193 Lux 111 Fc	855 Lux 80 Fc	443 Lux 41 Fc	226 Lux 21 Fc	137 Lux 13 Fc	57 Lux 5 Fc
Standard 19°	63000 Lux 5859 Fc	28000 Lux 2604 Fc	9765 Lux 908 Fc	7000 Lux 651 Fc	3629 Lux 337 Fc	1851 Lux 172 Fc	1120 Lux 104 Fc	463 Lux 43 Fc
Standard 36°	16704 Lux 1553 Fc	7424 Lux 690 Fc	2589 Lux 241 Fc	1856 Lux 173 Fc	962 Lux 89 Fc	491 Lux 46 Fc	297 Lux 28 Fc	123 Lux 11 Fc
Standard 50°	8712 Lux 810 Fc	3872 Lux 360 Fc	1350 Lux 126 Fc	968 Lux 90 Fc	502 Lux 47 Fc	256 Lux 24 Fc	155 Lux 14 Fc	64 Lux 6 Fc

115 watt HIGH CRI 92 High Quality LED array containing 100 emitters

Force V+ LED 3200K

Meters Feet	1.2m 4 ft	2m 6.5 ft	3m 10 ft	3.6m 12 ft	5m 17 ft	7m 23 ft	9m 30 ft	12m 40 ft
EDLT 19°	54000 Lux 5022 Fc	24000 Lux 2232 Fc	8370 Lux 778 Fc	6000 Lux 558 Fc	3110 Lux 289 Fc	1587 Lux 148 Fc	960 Lux 89 Fc	397 Lux 37 Fc
EDLT 26°	30600 Lux 2846 Fc	13600 Lux 1265 Fc	4743 Lux 441 Fc	3400 Lux 316 Fc	1763 Lux 164 Fc	899 Lux 84 Fc	544 Lux 51 Fc	225 Lux 21 Fc
EDLT 36°	14436 Lux 1343 Fc	6416 Lux 597 Fc	2238 Lux 208 Fc	1604 Lux 149 Fc	832 Lux 77 Fc	424 Lux 39 Fc	257 Lux 24 Fc	106 Lux 10 Fc
EDLT 50°	7200 Lux 670 Fc	3200 Lux 298 Fc	1116 Lux 104 Fc	800 Lux 74 Fc	415 Lux 39 Fc	212 Lux 20 Fc	128 Lux 12 Fc	53 Lux 5 Fc
Standard 19°	57600 Lux 5357 Fc	25600 Lux 2381 Fc	8928 Lux 830 Fc	6400 Lux 595 Fc	3318 Lux 309 Fc	1693 Lux 157 Fc	1024 Lux 95 Fc	423 Lux 39 Fc
Standard 36°	16020 Lux 1490 Fc	7120 Lux 662 Fc	2483 Lux 231 Fc	1780 Lux 166 Fc	923 Lux 86 Fc	471 Lux 44 Fc	285 Lux 27 Fc	118 Lux 11 Fc
Standard 50°	8280 Lux 770 Fc	3680 Lux 342 Fc	1283 Lux 119 Fc	920 Lux 86 Fc	477 Lux 44 Fc	243 Lux 23 Fc	147 Lux 14 Fc	61 Lux 6 Fc

115 watt HIGH CRI 95 High Quality LED array containing 100 emitters

Product Benefits

- Quality hard beam with visually accurate color temperature, no multiple shadows
- Control locally or via DMX
- Smooth dimming from 100%-0 with no color shift
- Flicker-free performance at any frame rate or camera shutter angle
- Microprocessor controlled current management for long LED life
- Efficient power management for low power consumption and high reliability

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