

Single & Bicolor & 2x2 Bicolor

# COMPACT BEAMLIGHT

Narrow Beam LED—Compact Footprint



## New Category of Lighting

The Compact Beamlight (CBL-1) is a new type of LED for studio, stage and architectural light. With a 5.5" footprint, these versatile LED powerhouses draw just 40W yet produce up to 4000-lumen output at 98 TLCI (Bicolor). While other fixtures produce a wider, less defined beam, the CBL-1 outputs a hard-shadow rendering beam that fades from 100% at center to 50% at the edges, so it is good for mixing and overlapping with other lights while eliminating blinding glare.

## Small & Cost-effective

CBL-1 lights are ideal for news sets and stages requiring consistent lighting and for specialty uses like approximating headlights or mounting up to 30 meters/90 feet overhead—without spill, glare or stray light. Each fixture offers the identical 1.5 kg/3.3-lbs weight and dimensions of (165mm/ 6.5" long, 145mm/ 5.7" diameter), allowing quick repositioning within the same grid brackets or clamps as other CBL-1s. Due to its small size the CBL-1 fits anywhere and in many situations is a valid replacement for key, fill and backlighting where compact punch is needed.

## BB&S Proprietary Tech

BB&S' proprietary 126mm diameter collimator lens converts up to 90% of the LED output to produce a high intensity narrow beam with minimal spill. The BB&S engineers designed Compact Beamlights to run silent due to an effective heat dissipation rear section that eliminates a cooling fan.

## 15-Fixture Family

CBL-1 Singles come in four fixed color temperatures 95 TLCI (2700°K, 3000°K, 4000°K, 5600°K) and four beam angles: 7, 11, 13, 17-degrees, each smoothly dimmable 0 to 100%. The Bicolor offers tweakable 98 TLCI (2700°K/4000°K/5600°K) color temperatures in a 11-degree beam angle. Single Color units include: Yoke with TVMP, 2m cable with 3-pin XLR. The Bicolor comes with the same items except it offers a 4-pin XLR. Optional accessories include: D-Tap, Manual Dimmer for Single color or Bicolor; Power Supply with locking AC cable, Magnetic filter-holder; Magnetic rotating 360 degree barndoors and Magnetic Top hat.



Length:  
165mm/6.5"



Diameter:  
145mm/5.7"



Weight:  
1.5 kg/3.3-lbs

## BB&S CBL-1 SPECIFICATIONS

### POWER

- Lamphead—1050 mA at 36 V, 41W maximum draw
- With 4-Way Controller (4 single color heads or bicolor 2 heads) 100-270V 50/60 Hz 175W maximum draw
- With Pipeline manual dimmers: 12-14.4 V at 3.5 amps

### CONTROL

- Manual operation with Pipeline Free dimmer or with CBL-1 bicolor dimmer for use with A/C supply or D-tap from V-lock or Gold mount batteries
- 4-Way Controller with DMX 512/RDM with strobe and 8/16 bit dimming from 0 to 100%
- DMX 512 allows daisy-chaining

### DIMENSIONS

Length: 165mm/6.5"

Diameter: 145mm/5.7"

### Temperature Range:

Ambient operation from -20° to 40°C/  
-4° to 104° F



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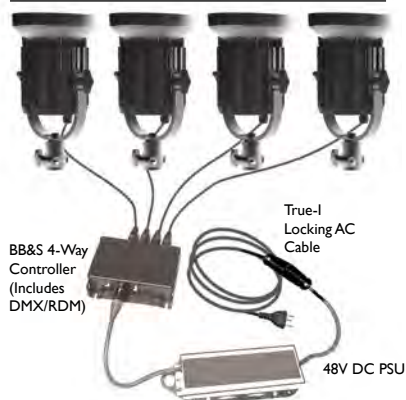


## Versatile Operation

CBL-1s deliver with a 3-pin XLR, 2m cable, TVMP and standard yoke. They offer several operating choices.

The BB&S 4-Way Controller runs up to 4 Beamlights individually and is prepared for optional wireless DMX control or built-in DMX 512 RDM in and out and 48V power. It offers full dimming without color shift or flicker and 8- or 16-bit DMX and manual dimming plus strobe. Or user's may choose the optional BB&S 40W Driver/Dimmer with 3-pin XLR connector which can be used with either a PSU or battery. Or the 40W Driver/Dimmer and inline D-Tap cable provide battery operation. Resourceful gaffers can use standard drivers that operate off 12V.

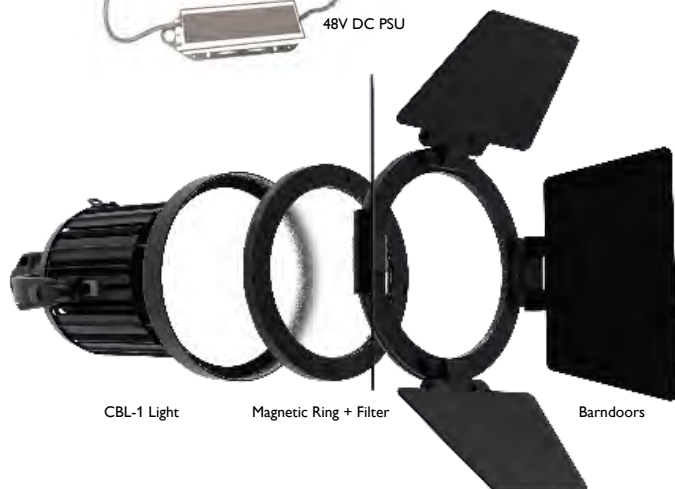
### BB&S 4-WAY CONTROLLER Individually Controllable on DMX/RDM or via Push-Button Display



### POWER SUPPLY Architecture/Individual Use



### STANDARD BATTERY 14.4V DC Operation



## BB&S CBL-1 SKU NUMBERS

- BBS-2801 CBL-1 ACL 2700°K
- BBS-2802 CBL-1 ACL 3000°K
- BBS-2803 CBL-1 ACL 4000°K
- BBS-2804 CBL-1 ACL 5600°K
- BBS-2809 CBL-1 VNSP 2700°K
- BBS-2810 CBL-1 VNSP 3000°K
- BBS-2811 CBL-1 VNSP 4000°K
- BBS-2812 CBL-1 VNSP 5600°K
- BBS-2821 CBL-1 Bicolor 2700°K/4000°K/5600°K
- BBS-2806 CBL-1 MEDIUM 3000°K
- BBS-2808 CBL-1 MEDIUM 5600°K
- BBS-2813 CBL-1 WIDE 2700°K
- BBS-2814 CBL-1 WIDE 3000°K
- BBS-2815 CBL-1 WIDE 4000°K
- BBS-2816 CBL-1 WIDE 5600°K  
(Includes Yoke, 2-meter cable, 3-pin XLR male connector, 4-pin for bicolor)

## OPTIONS

- BBS-3856 Manual dimmer for CBL-1 includes D-Tap male to DC 2.1 female, 2m
- BBS-3608 65W Power Supply with locking AC Cable
- BBS-2841 CBL-1 magnetic filter frame rotates 360 degree
- BBS-2843 CBL-1 Magnetic barndoor rotates 360 degree
- BBS-2842 Tophat, mounts w/Magnetic Ring
- BBS-2845 CBL-1 Bicolor manual dimmer including D tap to 4-pin XLR female cable
- BBS-2851 CBL-1 Bi-color Pelicase DMX/RDM controller for 4 Bi-color heads (8 channels) supplied including PowerCon True 1 locking AC 2 meter cable plus USB for powering wireless





## Single Color Photometrics

### BB&S CBL-1 BEAM DETAILS

#### ACL 7°

ACL 2700°K					
Distance Feet	3	17	23	33	66
Footcandles	10388	416	212	104	26
Distance Meters	1	5	7	10	20
LUX	111819	4473	2282	1118	280

ACL 3000°K					
Distance Feet	3	17	23	33	66
Footcandles	11128	445	227	111	66
Distance Meters	1	5	7	10	20
LUX	119777	4791	2444	1198	299

ACL 4000°K					
Distance Feet	3	17	23	33	66
Footcandles	12312	492	251	123	31
Distance Meters	1	5	7	10	20
LUX	132527	5301	2705	1325	331

ACL 5600°K					
Distance Feet	3	17	23	33	66
Footcandles	13821	553	282	138	35
Distance Meters	1	5	7	10	20
LUX	148770	5951	3036	1488	372

#### VNSP 11°

VNSP 2700°K					
Distance Feet	3	17	23	33	66
Footcandles	5685	227	116	57	14
Distance Meters	1	5	7	10	20
LUX	61195	2448	1249	612	153

VNSP 3000°K					
Distance Feet	3	17	23	33	66
Footcandles	6381	255	130	64	16
Distance Meters	1	5	7	10	20
LUX	68684	2747	1402	687	172

VNSP 4000°K					
Distance Feet	3	17	23	33	66
Footcandles	7261	290	148	73	18
Distance Meters	1	5	7	10	20
LUX	78155	3126	1595	782	195

VNSP 5600°K					
Distance Feet	3	17	23	33	66
Footcandles	8472	339	173	85	21
Distance Meters	1	5	7	10	20
LUX	91189	3648	1861	912	228

#### MEDIUM 13°

MEDIUM 3000°K					
Distance Feet	3	17	23	33	66
Footcandles	10388	416	212	104	26
Distance Meters	1	5	7	10	20
LUX	111819	4473	2282	1118	280

MEDIUM 5600°K					
Distance Feet	3	17	23	33	66
Footcandles	4108	164	84	41	10
Distance Meters	1	5	7	10	20
LUX	44219	1769	902	442	111

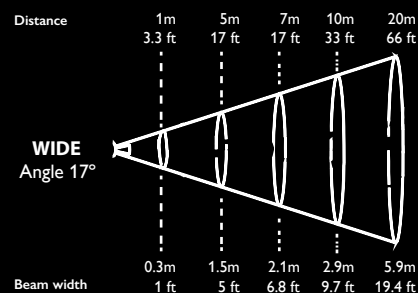
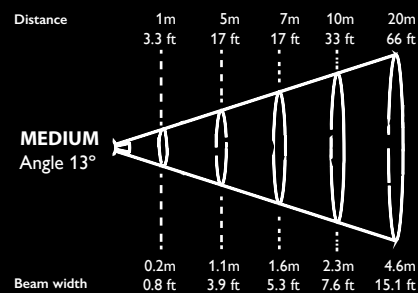
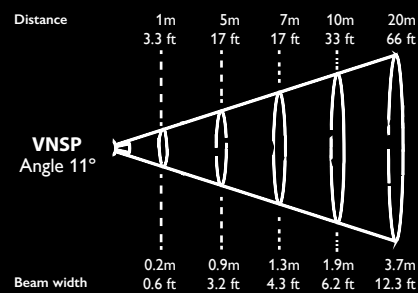
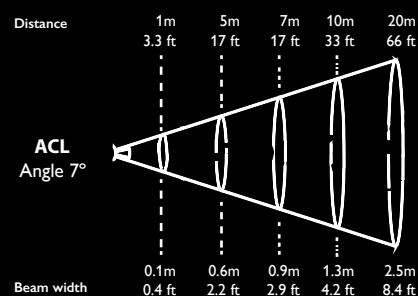
#### WIDE 17°

WIDE 2700°K					
Distance Feet	3	17	23	33	66
Footcandles	2771	111	57	28	7
Distance Meters	1	5	7	10	20
LUX	29830	1193	609	298	75

WIDE 3000°K					
Distance Feet	3	17	23	33	66
Footcandles	3036	121	62	30	8
Distance Meters	1	5	7	10	20
LUX	32681	1307	667	327	82

WIDE 4000°K					
Distance Feet	3	17	23	33	66
Footcandles	3364	135	69	34	8
Distance Meters	1	5	7	10	20
LUX	36209	1448	739	362	91

WIDE 5600°K					
Distance Feet	3	17	23	33	66
Footcandles	3985	159	81	40	10
Distance Meters	1	5	7	10	20
LUX	42889	1716	875	429	107





*"Powerful,  
beautiful  
and easy light  
to play with"*

Robert Pontinder



## BICOLOR Photometrics

### BB&S CBL-1 Bicolor BEAM DETAILS

#### CBL-1 Bicolors

deliver with a  
4-pin XLR, 2m  
cable, TVMP and  
standard yoke.

#### BICOLOR 11°

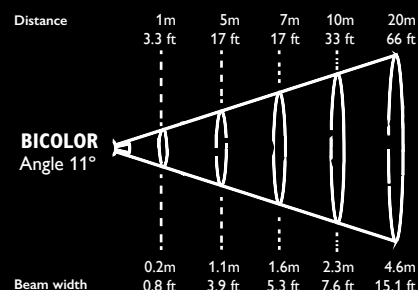
BICOLOR 2700°K (without diffuser)					
Distance Feet	3	17	23	33	66
Footcandles	4806	192	98	48	12
Distance Meters	1	5	7	10	20
LUX	51680	2067	1055	517	129

#### CBL-1 Bicolors

TLCI is 98 in 2700,  
4000° and 5600°K

BICOLOR 4000°K (without diffuser)					
Distance Feet	3	17	23	33	66
Footcandles	6045	242	123	60	15
Distance Meters	1	5	7	10	20
LUX	65000	2600	1327	650	163

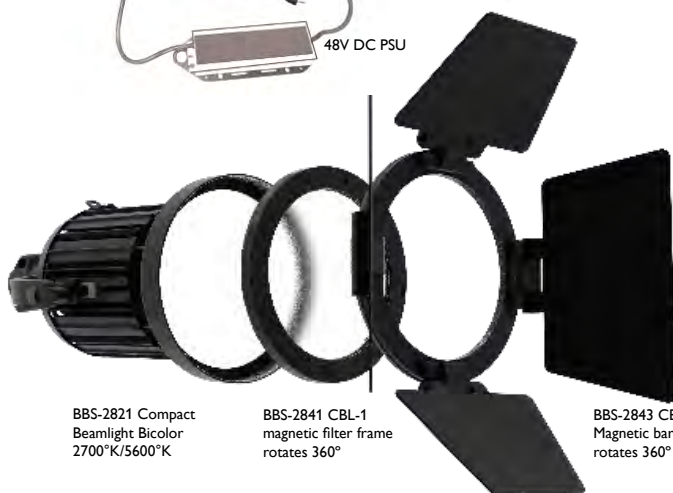
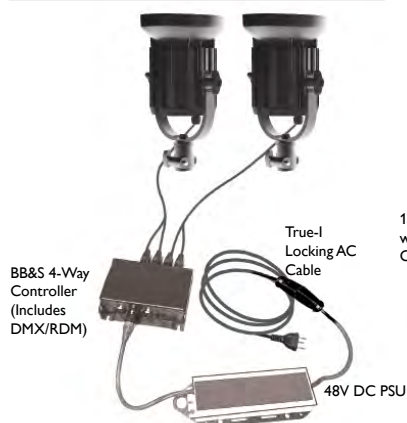
BICOLOR 5600°K (without diffuser)					
Distance Feet	3	17	23	33	66
Footcandles	6138	246	125	61	15
Distance Meters	1	5	7	10	20
LUX	66000	2640	1347	660	165



**BB&S 4-WAY CONTROLLER BICOLOR**  
Individually Controllable on DMX/RDM  
or via Push-Button Display

**POWER SUPPLY**  
Architecture/Individual Use

**STANDARD BATTERY**  
14.4V DC Operation



#### The Light Bridge and CBL-1



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## BICOLOR 2x2 Photometrics

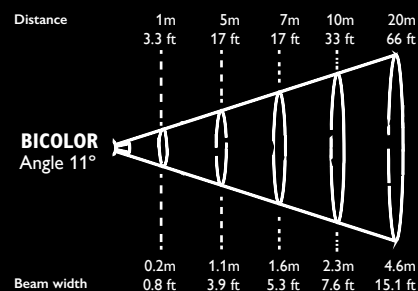
### BB&S CBL-1 Bicolor 2x2 Unit BEAM DETAILS

#### 2x2 BICOLOR 11°

2x2 BICOLOR 2700°K (without diffuser)					
Distance Feet	3	17	23	33	66
Footcandles	19225	769	392	192	48
Distance Meters	1	5	7	10	20
LUX	206720	8269	4219	2067	517

2x2 BICOLOR 4000°K (without diffuser)					
Distance Feet	3	17	23	33	66
Footcandles	24180	967	493	242	60
Distance Meters	1	5	7	10	20
LUX	260000	10400	5306	2600	650

2x2 BICOLOR 5600°K (without diffuser)					
Distance Feet	3	17	23	33	66
Footcandles	24552	982	501	246	61
Distance Meters	1	5	7	10	20
LUX	264000	10560	5388	2640	660



BB&S CBL-1 BICOLOR 4-HEAD  
CONTROLLER IN PELICASE  
Controllable on DMX/RDM  
or via Push-Button Display



BBS-2851 CBL-1 Bicolor Pelicase DMX/RDM controller for 4 Bicolor heads (8 channels) supplied including PowerCon True 1 locking AC 2 meter cable plus USB for powering wireless

BBS-2850 Compact Beamlight Bicolor 2700/5600K 2 x 2 fixture mounted in yoke supplied with 2 meter cable mounted with 4-pin XLR for use with the CBL-1 Bicolor Pelicase controller

BICOLOR  
Angle 11°

