



**CBL 1™**

## BB&S CBL 1 Specifications

### POWER:

Lamphead 1050 Ma approx 36 volts  
Used with 4 way controller (4 lights):  
Power 100-270 volts 50/60 Hz  
175 Watt  
Used with Pipeline manual dimmer:  
12 to 14.4 volts 3.5 Amps

### CONTROL:

Manual operation with Pipeline free  
dimmer for use with ac supply or  
D-tap from V-lock or goldmount.  
Dmx control with 4 - way controller  
DMX 512/RDM  
DMX 512 also allows daisy-chaining  
8/16 bit dimming from 0 to 100 %

### DIMENSIONS:

Length: 165mm / 6.5"  
Diam.: 145mm/5.70"

### THERMAL:

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

## New Category of Lighting

BB&S Lighting introduces the Compact Beamlight (CBL 1) a new type of studio, stage and architectural lighting. With a 5.5" footprint, these versatile LED powerhouses draw just 40W yet produce up to 4000-lumen output at 97 CRI. 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's good for mixing and overlapping with other lights while eliminating blinding glare.

## Small & Cost-effective

BB&S CBL 1 lights are ideal for news sets and stages requiring consistent lighting and for specialty uses like approximating headlights or mounting up to 30m overhead—without spill, glare or stray light. Each fixture offers the identical 1.5 kg/3.3-lbs weight and dimensions of (165 mm/ 6.5" long, Ø 140mm/ 5.7") allowing quick repositioning within the same grid brackets or clamps as other CBL 1s.

## BB&S Proprietary Tech

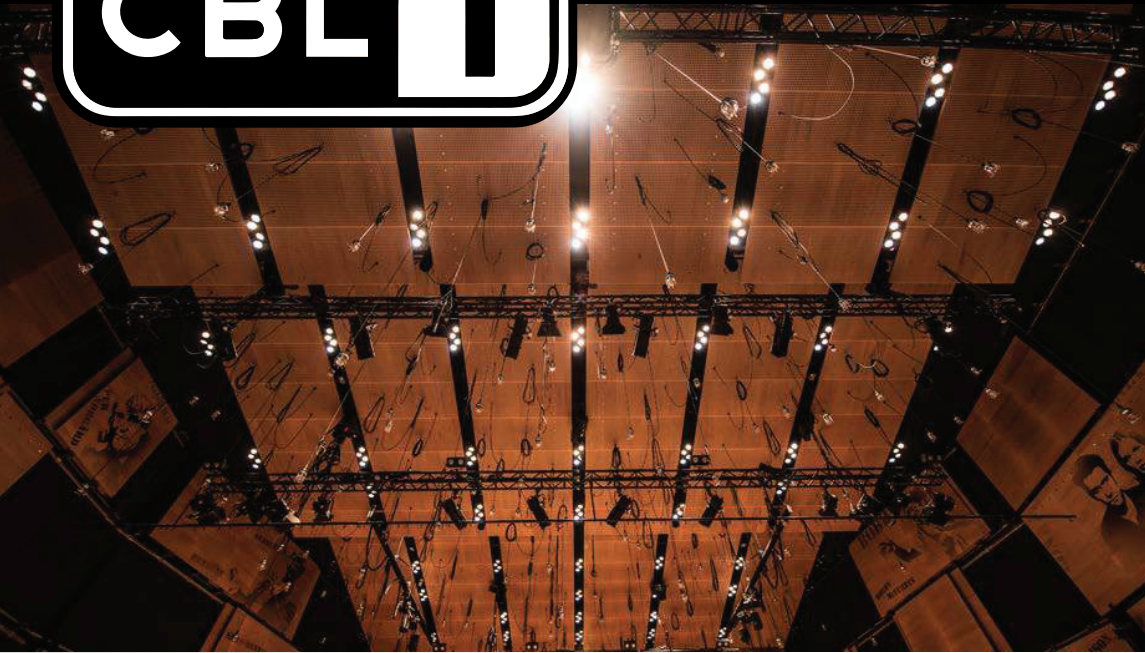
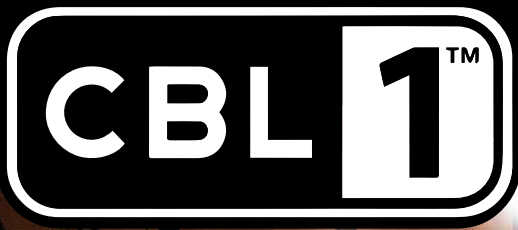
BB&S' proprietary 126mm diameter collimator lens converts up to 90% of the LED output to produce a high intensity narrow beam with minimal spill. The BB&S engineers designed Compact Beamlights to run silent due to an effective heat dissipation rear section that eliminates a cooling fan.

## The I4-Fixture Family

Choose from four fixed color temperatures (2700°K, 3000°K, 4000°K, 5600°K) and four beam angles: 7, 11, 13, 17 degrees each smoothly dimmable 0 to 100%.



**BB&S**  
LIGHTING PEOPLE



## BB&S CBL 1 SKU# Numbers

- #2801 -BB&S CBL 1, ACL-2700K
  - #2802 -BB&S CBL 1, ACL-3000K
  - #2803 -BB&S CBL 1, ACL-4000K
  - #2804 -BB&S CBL 1, ACL-5600K
  - #2809 -BB&S CBL 1, VN-SP-2700K
  - #2810 -BB&S CBL 1, VN-SP-3000K
  - #2811 -BB&S CBL 1, VN-SP-4000K
  - #2812 -BB&S CBL 1, VN-SP-5600K
  - #2806 -BB&S CBL 1, MEDIUM-3000K
  - #2808 -BB&S CBL 1, MEDIUM-5600K
  - #2813 -BB&S CBL 1, WIDE-2700K
  - #2814 -BB&S CBL 1, WIDE-3000K
  - #2815 -BB&S CBL 1, WIDE-4000K
  - #2816 -BB&S CBL 1, WIDE-5600K
- (All the above Include Yoke, 2 meters of cable and 3 pin xlr male connector)

#3856 -Manual dimmer for Compact Beamlight 1 incl. D-Tap male to DC 2.1 female, 2 m

NOTE - PSU #3608 must be ordered separately

### Versatile Operation

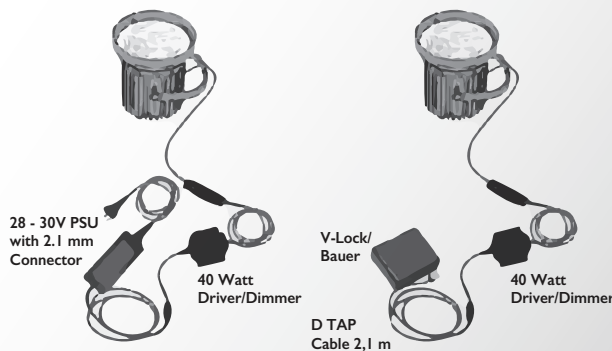
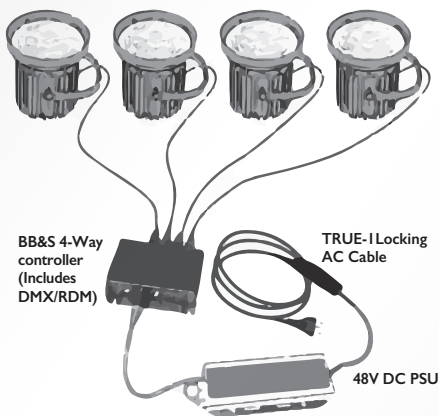
CBL 1's deliver with a 3-pin XLR, 1.5-meter cable and standard yoke. They offer several operating choices.

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 40 Watt Driver/Dimmer with 3-pin XLR connector which can be used with either a PSU or battery. Or the 40-Watt Driver/Dimmer and inline D-Tap cable provide battery operation. Resourceful gaffers can use standard drivers that operate off 12V.

BB&S 4Way Controller:  
Individually Controllable on DMX  
or Via Push-Button Display

Power Supply:  
Architecture/Individual Use

Standard Battery:  
14.4V DC Operation



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### ACL

BB&S CBL 1

| ACL 2700K       |        |      |      |      |     |
|-----------------|--------|------|------|------|-----|
| Distance Feet   | 3.3    | 17   | 23   | 33   | 66  |
| Footcandles     | 10388  | 416  | 212  | 104  | 26  |
| Distance Meters | 1      | 5    | 7    | 10   | 20  |
| LUX             | 111819 | 4473 | 2282 | 1118 | 280 |

BB&S CBL 1

| ACL 3000K       |        |      |      |      |     |
|-----------------|--------|------|------|------|-----|
| Distance Feet   | 3.3    | 17   | 23   | 33   | 66  |
| Footcandles     | 11128  | 445  | 227  | 111  | 66  |
| Distance Meters | 1      | 5    | 7    | 10   | 20  |
| LUX             | 119777 | 4791 | 2444 | 1198 | 299 |

BB&S CBL 1

| ACL 4000K       |        |      |      |      |     |
|-----------------|--------|------|------|------|-----|
| Distance Feet   | 3.3    | 17   | 23   | 33   | 66  |
| Footcandles     | 12312  | 492  | 251  | 123  | 31  |
| Distance Meters | 1      | 5    | 7    | 10   | 20  |
| LUX             | 132527 | 5301 | 2705 | 1325 | 331 |

BB&S CBL 1

| ACL 5600K       |        |      |      |      |     |
|-----------------|--------|------|------|------|-----|
| Distance Feet   | 3.3    | 17   | 23   | 33   | 66  |
| Footcandles     | 13821  | 553  | 282  | 138  | 35  |
| Distance Meters | 1      | 5    | 7    | 10   | 20  |
| LUX             | 148770 | 5951 | 3036 | 1488 | 372 |

### VNSP

BB&S CBL 1

| VNSP 2700K      |       |      |      |     |     |
|-----------------|-------|------|------|-----|-----|
| Distance Feet   | 3.3   | 17   | 23   | 33  | 66  |
| Footcandles     | 5685  | 227  | 116  | 57  | 14  |
| Distance Meters | 1     | 5    | 7    | 10  | 20  |
| LUX             | 61195 | 2448 | 1249 | 612 | 153 |

BB&S CBL 1

| VNSP 3000K      |       |      |      |     |     |
|-----------------|-------|------|------|-----|-----|
| Distance Feet   | 3.3   | 17   | 23   | 33  | 66  |
| Footcandles     | 6381  | 255  | 130  | 64  | 16  |
| Distance Meters | 1     | 5    | 7    | 10  | 20  |
| LUX             | 68684 | 2747 | 1402 | 687 | 172 |

BB&S CBL 1

| VNSP 4000K      |       |      |      |     |     |
|-----------------|-------|------|------|-----|-----|
| Distance Feet   | 3.3   | 17   | 23   | 33  | 66  |
| Footcandles     | 7261  | 290  | 148  | 73  | 18  |
| Distance Meters | 1     | 5    | 7    | 10  | 20  |
| LUX             | 78155 | 3126 | 1595 | 782 | 195 |

BB&S CBL 1

| VNSP 5600K      |       |      |      |     |     |
|-----------------|-------|------|------|-----|-----|
| Distance Feet   | 3.3   | 17   | 23   | 33  | 66  |
| Footcandles     | 8472  | 339  | 173  | 85  | 21  |
| Distance Meters | 1     | 5    | 7    | 10  | 20  |
| LUX             | 91189 | 3648 | 1861 | 912 | 228 |

### Medium

BB&S CBL 1

| Medium 3000K    |       |      |      |     |     |
|-----------------|-------|------|------|-----|-----|
| Distance Feet   | 3.3   | 17   | 23   | 33  | 66  |
| Footcandles     | 4749  | 190  | 97   | 47  | 12  |
| Distance Meters | 1     | 5    | 7    | 10  | 20  |
| LUX             | 51119 | 2045 | 1043 | 511 | 128 |

BB&S CBL 1

| Medium 5600K    |       |      |     |     |     |
|-----------------|-------|------|-----|-----|-----|
| Distance Feet   | 3.3   | 17   | 23  | 33  | 66  |
| Footcandles     | 4108  | 164  | 84  | 41  | 10  |
| Distance Meters | 1     | 5    | 7   | 10  | 20  |
| LUX             | 44219 | 1769 | 902 | 442 | 111 |

### WIDE

BB&S CBL 1

| Wide 2700K      |       |      |     |     |    |
|-----------------|-------|------|-----|-----|----|
| Distance Feet   | 3.3   | 17   | 23  | 33  | 66 |
| Footcandles     | 2771  | 111  | 57  | 28  | 7  |
| Distance Meters | 1     | 5    | 7   | 10  | 20 |
| LUX             | 29830 | 1193 | 609 | 298 | 75 |

BB&S CBL 1

| Wide 3000K      |       |      |     |     |    |
|-----------------|-------|------|-----|-----|----|
| Distance Feet   | 3.3   | 17   | 23  | 33  | 66 |
| Footcandles     | 3036  | 121  | 62  | 30  | 8  |
| Distance Meters | 1     | 5    | 7   | 10  | 20 |
| LUX             | 32681 | 1307 | 667 | 327 | 82 |

BB&S CBL 1

| Wide 4000K      |       |      |     |     |    |
|-----------------|-------|------|-----|-----|----|
| Distance Feet   | 3.3   | 17   | 23  | 33  | 66 |
| Footcandles     | 3364  | 135  | 69  | 34  | 8  |
| Distance Meters | 1     | 5    | 7   | 10  | 20 |
| LUX             | 36209 | 1448 | 739 | 362 | 91 |

BB&S CBL 1

| Wide 5600K      |       |      |     |     |     |
|-----------------|-------|------|-----|-----|-----|
| Distance Feet   | 3.3   | 17   | 23  | 33  | 66  |
| Footcandles     | 3985  | 159  | 81  | 40  | 10  |
| Distance Meters | 1     | 5    | 7   | 10  | 20  |
| LUX             | 42889 | 1716 | 875 | 429 | 107 |

### BB&S CBL 1 Beam details

