



BB&S LIGHTING PRESENTS

REMOTE PHOSPHOR

- PIPELINE SERIES
- AREA 48 SERIES

HIGH PERFORMANCE LED

- LED FLYER
- FORCE 7 LED LEKO
- K7 TWIST

BB&S LIGHTING STORY



Peter Plesner brought his diverse experience working as a lighting designer for broadcast, musical tours and theatre to BB&S Lighting, which he co-founded in Denmark in 1999. Since then he has been dedicated to making

high performance LED lights, and was among the first to pioneer remote phosphor technology, as well as other innovative professional LED light fixtures.

Today BB&S LIGHTING of Denmark presents an expanded array of award-winning Remote Phosphor and other high end LED lighting. It's no wonder BB&S is the choice of professional filmmakers, broadcast lighting designers, videographers, and documentarians across the globe. Now there are more useful BB&S tools than ever before. The popular Area 48™ Softs feature interchangeable phosphor panels allowing the fixture's color temperature to change from Daylight to Tungsten to Chroma-Green in seconds. The Area 48 Studio model provides smooth and accurate dimming even in the final 5% to zero.

The Pipeline System takes Remote Phosphor LED technology a step ahead with a new, versatile form factor. Available in cylindrical 1" diameter by 4" to 4' lengths, they can be deployed as individual Free Pipes with inline dimmers, Raw versions which utilize the 4-Way Controller, or housed in multi-lamp reflector banks—available in 3200°K, 4300°K and 5600°K.

While both the Area 48 and Pipeline systems are at home on motion picture stages and a myriad of EFP shoots, they are also sought after to light broadcast studios worldwide. Another popular light is the BB&S Force 7 LED LEKO that provides a powerful pinpoint light source that's so useful for studios and live events. Additionally, the LED Flyer continues to fly off the shelves. Highly portable, this lightweight boom light kit produces outstanding light quality while significantly simplifying the lighting process.

What is Remote Phosphor? Unlike standard LED lighting where the phosphor is applied directly onto the LEDs themselves, BB&S Systems utilize a phosphor layer that is positioned away from the LED emitter, providing brighter, higher fidelity light emission. And because the phosphors are not bonded directly onto the LEDs, they are not susceptible to the heat damage/color degradation over time that's inherent in traditional LED fixtures. The result is better color rendition over the life of the product.



Cover: Danish Radio's World Cup Outdoor Studio in Copenhagen using BB&S 4-Banks & Area 48s

AREA 48

AREA 48 SOFT



The Area 48 Soft Remote Phosphor LED fixture provides HD-friendly 98 TLCI soft light output, comparable to a 1200 Watt traditional soft light, while drawing only 122 Watts. BB&S' integrated LED technology moves the color providing phosphor panel away from the LEDs, greatly improving color rendering, consistency and light output. Power versatile, they may be run via the Gold Mount battery plate or V-Lock plate or standard AC 100-240V mains. Interchangeable phosphor panels (Chroma Green, 2700°K, 3200°K, 4300°K, 5600°K, 6500°K, Chroma Blue and 10,000°K) are simple to quickly slip into the front of the fixture.

Area 48 Soft only

Power: AC Power: 100 - 240V 50/60 Hz
8/16 Bit Dimming 100% -3%



*Inline Remote dimmer
for Area 48 Soft*

AREA 48 STUDIO



For specific applications where smooth and accurate dimming in the last 5% is a must, BB&S offers the Area 48 Studio. The first of its kind, this feature is especially useful for sound stages, television studios, classic concert halls, theatres, and motion capture studios. The 48V Area 48 Studio also offers silent operation because the system does not require forced cooling. Interchangeable phosphor panels are available in Chroma Green, 2700°K, 3200°K, 4300°K, 5600°K, 6500°K, Chroma Blue and 10,000°K.

Area 48 Studio only

Power: 48V
8/16 Bit Dimming 100%-0, even in the last 5%

Area 48 Soft & Studio Specifications

- Phosphor panels: 2700°K, 3200°K, 4300°K, 5600°K, 6500°K, Chroma Blue and 10,000°K.
- Max Power Consumption 122W
- Control: manual or internal
- Mode: Selectable via Digital Display
- Thermal: ambient operating temperature 0-40°C / 32-104°F
- Manual Dimming and Strobe

*Custom yokes available to
hold 2 (1x2) or 4 (2x2)
or custom Area 48 fixtures
for mega output*



PIPELINE

The advantages of the finest LED lighting, plus the multifold benefits of remote phosphor, in a new form factor.



Cylindrical Pipes

Pipeline® is an expandable array of customizable cylindrical fixtures that produce soft, projected, fully dimmable 100%-0 output, spread over 180°, without color shift. The rugged, aluminum-backed, 1-inch/25mm diameter LED Pipes are available in lengths of 4', 8', 1', 2', 3' and 4' (101mm, 203mm, 305mm, 610mm, 914mm, 1219mm). Select from 3200°K, 4300°K or 5600°K Pipes individually or combined, along with a 4-Way Controller. They are also available ganged in 2 or 4-bank housings in 5600°K, 4300°K, 3200°K or bi-color. RAW Pipes run off 48V for precise dimming even in the last 5%.

RAW

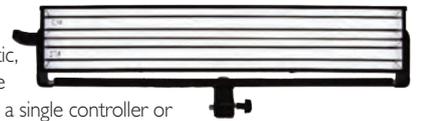
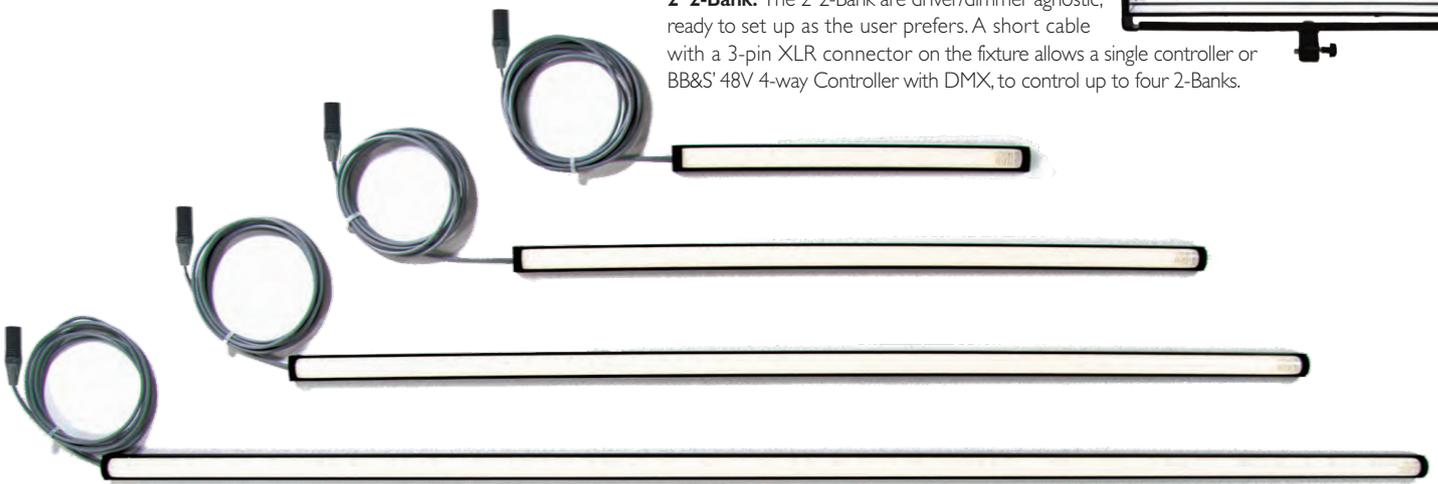
- Choose from 1', 2', 3', 4', lengths with 3 pin XLR
- Color Temps: 3200°K, 4300°K, 5600°K
- Maximum Power Draw: 9W per linear foot
- DMX 512 in/out

The Raws, available in 1', 2', 3' and 4' lengths, are made for customization, with a 3-pin XLR plug to allow the user to control the electronic configuration.

Raws operate perfectly with BB&S' 4-way DMX Controller. Pipeline Raw fixtures are available as individual units, or in rugged Kits.

1' 4-Bank: This conveniently sized panel light utilizes four, 1' Remote Phosphor Pipes mounted in individual intensifiers to produce up to 4000 lumens of output at a uniform 98 TLCI, while drawing just 40 Watts.

2' 2-Bank: The 2' 2-Bank are driver/dimmer agnostic, ready to set up as the user prefers. A short cable with a 3-pin XLR connector on the fixture allows a single controller or BB&S' 48V 4-way Controller with DMX, to control up to four 2-Banks.



4-WAY CONTROLLER

The 1', 2', 3' and 4' Raw fixtures operate via the optional 4-Channel Pipeline 4-Way Controller. It runs up to 4 Pipes simultaneously and is prepared for optional wireless DMX control or built-in DMX 512 in and out and 48V power.

Utilizing the 4-channel control, Pipes are fully dimmable (100% to zero) without color shift or flicker. The control offers 8- or 16-bit DMX and manual dimming plus unique strobe capability. The firmware is upgradable to avoid obsolescence.



Raw Kits



The Pipeline Raw 3' Kit
Includes four 3' Pipes in 3200K or 5600K. Cordura case with 4 ea clamps XLR extension cables, 4-Way Controller.



The Pipeline Raw 4' Kit
Includes four 4' 3200K or 5600K Pipes, Cordura case with 4 ea clamps, XLR extension cables, 4-Way Controller



Pipeline Raw Pro 3' Kit
Includes hard machine-gun style case with eight 3' 3200K or 5600K Pipes, (2) 4-Way Controllers, 8 ea 9 Solutions mounts, clamps, extension cables.

Pipeline Raw Pro 4' Kit
Includes hard machine-gun style case with eight 4' 3200K or 5600K Pipes, (2) 4-Way Controllers, 8 ea 9 Solutions mounts, clamps, extension cables.

Color—Pure, True, Consistent

With the benefits of remote phosphor's brighter, higher fidelity light emission, Pipeline's produce 1000 lumens per foot at 98 TLCl. The soft projected light is fully controllable and dimmable with no color shift or flicker.

Power Ease

Free fixtures can be powered from AC mains 100-240V 50-60Hz or 14.4V DC. Draw is 9W for each linear foot of a Pipe. An optional battery box (holds 8 AAs) works with the Reporter 1', or Pipeline Free 4", 8" and 1'. Raw systems run off of 110-240 AC only with the 4-Way Controller. 4-Banks are 48V.

Choice of Raw, Free or 4-Banks

Build a system to suit your needs. Raw Pipes offer a 3-pin XLR to plug into the optional 4-way Controller with DMX 512. Single 4", 8", 1', 2', 3' and 4' Free Pipes come with inline driver/dimmers. The cold shoe adapter with pin facilitates attachment of Raw and Free models. 4-Banks are complete 48V plug and play systems.

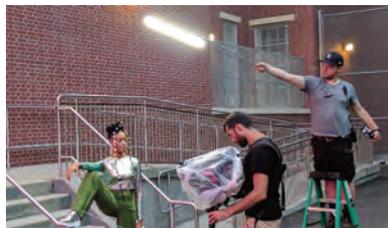
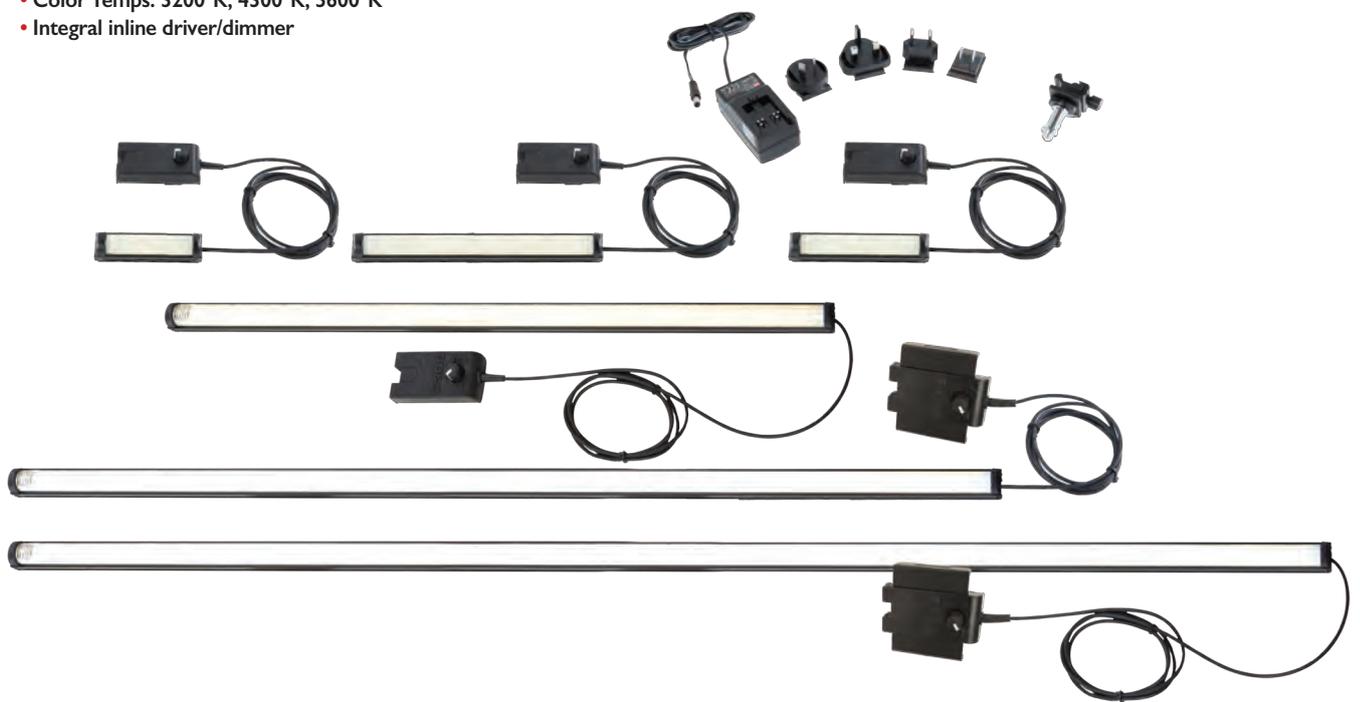
- Raw (no dimmer): Single 1', 2', 3' & 4', 1' 4-Bank, 2' 2-Bank fixtures
- Free (manual inline driver/dimmer): Single 4", 8", 1', 2', 3', 4'
- 4-Banks (complete): 3' & 4' DMX-controllable fixtures with reflector housing (single or bi-color)

FREE

- 1'=1000 Lumens on 9W max draw
- 2'=2000 Lumens on 18W max draw
- DC: 10-20V, AC: 110-240V, 50/60Hz
- Color Temps: 3200°K, 4300°K, 5600°K
- Integral inline driver/dimmer

The Pipeline Free fixtures are individual Pipes complete with dedicated inline cables and driver/dimmers to control output and feed power.

These fit-anywhere secret weapons come in 4", 8", 1', 2', 3' & 4' Pipes so they light where you could only image before. They are power versatile via 12V automobile battery, 14.4V battery, or AC power. Free lights are available as singles or kits.



Free Kits



Pipeline Free 1' Kits:

Choose from a set of three 3200°K or 5600°K, 1' Pipes housed in a Cordura case, complete with world power supplies, mounts and D-tap cables.



Pipeline Free 2' Kits:

Choose from a set of three 3200°K or 5600°K 2' Pipes housed in a Cordura case, complete with world power supplies, mounts and D-tap cables.



Reporter Kit-to-Go

A pair of 1' Pipes with desktop stands that deploy in a minute. Choose 3200°K, 4300°K or 5600°K, or a mix of 2 for variable color. Fits airline overhead. Includes power accessories.

Pipeline 3' 4-Bank

Pipeline 4' 4-Bank



When you do what I do, you're attached to the success and longevity of the fixtures that you recommend, and BB&S has never let me down."

Nicholas Hutak, DP/Lighting Designer



Pipeline 1'

PIPELINE 4-BANKS

First Remote Phosphor Light Banks

BB&S vastly improves on the classic light bank by adding the benefits of Remote Phosphor technology in the Pipeline 3' and 4' 4-Bank ready to go lighting fixtures.

Cool And Powerful Pipeline 4-Banks house 3' or 4' (914mm or 1219mm) long, 1-inch (25mm) diameter, Remote Phosphor LED Pipes. Three-foot units offer an output of 12,000 lumens at 100%, while the four-foot outputs a whopping 16,000 lumens! Yet, they run cool and power off 48V for smooth dimming all the way to zero.

Get In Control With a built-in 4-channel control, Pipeline 4-Banks are fully dimmable (100% to zero) without color shift or flicker. The Control offers 8- or 16-bit DMX and manual dimming plus strobe capability. Honeycombs, instant snap up soft boxes and grids are available to enhance light shaping.

Color Match Any Situation Pipeline 4-Banks come in 3200°K, 4300°K, 5600°K and the Bi-color model that allows users to dial-in any color temperature between 3200°K and 5600°K and individually tweak. As light intensity is increased or dimmed, there's no affect on color temperature.

- Choose from 3' or 4' lengths
- Power Supply: 48V with power connector cable
- Color Temps: 3200°K, 4300°K, 5600°K, Bi-color
- Built in DMX Controller
- Includes reflector housing



4 Banks are available with optional honeycombs, grids, and softboxes.

LED FLYER KIT



Now available:
optional DMX 512 Control



The LED FLYER is a highly portable lightweight boom light full kit that provides rapid setup soft lighting. It is especially valuable for fast moving productions, where the fixture significantly simplifies the lighting process, and produces unprecedented variable-color 3000°K to 5600°K overhead soft light— on the fly.

Fills a variety of needs LED FLYER is a ready-to-go LED boom light kit built to satisfy the stringent demands of camera and lighting professionals shooting video, cine and news production.

Quick to deploy Easy to handhold, boom-operator style or fixed to a C-stand, the one-foot by one-foot by 2 1/2-inch thick soft-light fixture may be positioned amazingly close to the talent.

Color Agile Any color temperature between 3000K and 5600K can be immediately dialed in to match the LED FLYER's output to the ambient light on set or in the field.

Integrated Beltpack A convenient Integrated Beltpack provides handy dials to control variable intensity and color temperature, and easy action push-button control for On/Off and blackout functions while the Flyer light head remains in position on the set.

Different diffusion to choose from A DoPchoice snap-up Snapbag softbox fits directly on to the light frame and delivers a full 90-degree light. Or users can choose the Flyball Chinaball with a 4-sided adjustable black-out skirt.

Kitted ready to go The LED Flyer kit includes a light head, diffuser, diffuser skirts, AC power supply, AC cord, DC cord, integrated Beltpack for remote control, battery plate for V-Lock batteries, as well as a molded case. An optional Gold Mount battery plate is available. Surprisingly lightweight (the head weighs 2.2 lbs/1kg), the entire system drops into the rugged case.



4-sided adjustable
black out skirt
with Chinaball

K-7 TWIST



Versatile Set and Museum Lighting

Size matters and looks count. The K7 is a compact, highly versatile and just plain cool, magnetic LED ball light. Designed for easy focusing and great quality of light, the K7 has become very popular as set and museum display lighting. It takes up very little space and delivers a wide range of lighting option.

The K7 is attached via a strong neodymium magnet and can be focused in any direction. Beam control is obtained by the use of quick-change lenses and honeycombs.

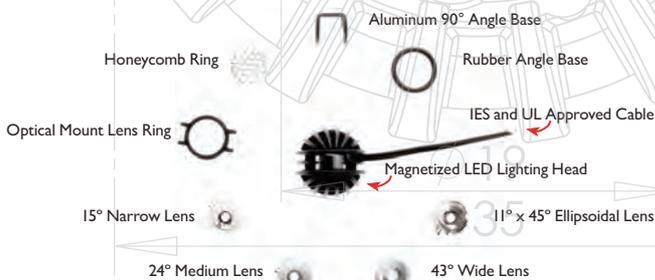
The K7 comes with a 3W LED at 2700°K, 3000°K or 4000°K LED. With a diameter of 35mm the K7 is suitable for most setups. Dimmable power-supply and distribution PCBs are part of the K7 product range.

Specifications

Max. Forward Current: 700 mA
 Typical Forward Voltage: 2.9 V
 2700°K Min. Flux at 700 mA: 160 lm
 3000°K Min. Flux at 700 mA: 237 lm
 4000°K Min. Flux at 700 mA: 237 lm
 LEDs: 3W 2700°K, 3000°K or 4000°K at 95 CRI
 Optional Dimmable LED Driver
 Diameter 35mm / 1.38"
 Weight: 50g / 1.76 oz
 Thermal: Ambient Operating Temperature
 0-40°C / 32-104°F

Benefits

CRI 95
 Easy installation
 Very low power consumption
 High reliability
 Very compact and versatile
 Variety of easy-change lenses
 Available in black, white, or custom color



FORCE 7 LED LEKO

This highly focusable instrument delivers output brighter than traditional high powered Lekos while drawing merely 180W at maximum output. It is the first LED Leko to offer the convenience of a single source LED and 97 CRI color rendition. Better yet, Force 7 delivers smooth, even, light (edge to edge) with no hot spots or double shadows when using a gobo.



- More powerful
- Silent, heatless operation
- No color shift when dimming 100% to 0
- Better color rendition
- Clean, sharp cuts edge to edge
- Precision focus
- Even field with no spill



Finally, we have a dimmable daylight LED Leko that is bright enough to hold its own vs. traditional HMI's."

Doug Shannon, IATSE Local 52 Gaffer



FORCE 7 LED LEKO

POWER

AC Power Universal	100-270V nominal 50/60Hz 48V
Max Power Consumption	180 Watts 230V 0.81Amps/120V 1.55 Amps
Cable type	PowerCONTRUeI locking AC or connector

THERMAL

Ambient Operating Temp	0-40°C / 32-104°F
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LAMP type:

Color temperatures	3000°K, 5600°K or 6500°K
CRI	97

CONTROL

Flicker Free Dimming	8 bit-16 bit DMX 512 w/5-pin in/out
Channels	100%-0
Strobe	Up to 4-channels
	Ultra Fast

Specifications subject to change without notice

BBP light bv

Abberdaan 194 - 196 1046 AB Amsterdam

+31 (0) 20 - 690 98 98 info@bbplight.com www.bbplight.com

