SpectraCore™

LED Soft Light

CAPTURE THE MOST ACCURATE COLOR

ULTRAWIDE SPECTRUM LED LIGHTING AT 98 CRI

IDEALLY SUITED FOR CULTURAL HERITAGE AND FINE ART REPRODUCTION

SpectraCore™ 180
LED Soft Light

Designed and Engineered by ColorBurst Systems

The quality of light determines the accuracy of your captured color. The SpectraCore 180 LED soft light was designed with custom LED phosphors to provide the most accurate color capture possible.

UNIFORM LIGHTING

SpectraCore 180 offers very even lighting throughout, with no hot spots. It is extremely bright, measuring 5600 lux @ 1 meter (when not dimmed).

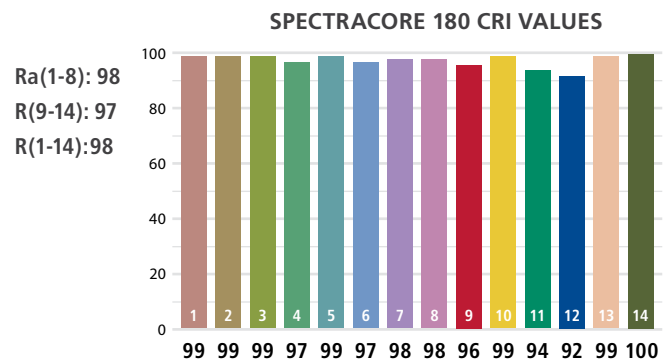### NATURAL VIEWING TEMPERATURE

Single color LEDs offer a higher level of color accuracy than blended LED lighting. SpectraCore 180 is a single source LED light at true D50 5000 kelvin, which offers a very balanced light—neither warm nor cool. This "neutral daylight" color temperature is visually accurate, even in reds and blues. An added benefit is that D50 is the graphic arts viewing standard, so the SpectraCore 180 can also be used for proofing, when dimmed to 2000 lux @ 1 meter.

LOW OPERATING TEMPERATURE

LED cores typically operate at 210°F. The SpectraCore 180 core was designed to operate at a significantly lower temperature, typically 150-160°F. This extends the operating life and working conditions of the LEDs. It also assures that there will be minimal temperature radiated to the ambient environment, making this ideal for photographing rare and fragile art work.

ULTRA HIGH COLOR RENDERING INDEX (CRI) VALUES

A high CRI of 98 (Ra) means SpectraCore 180 has an excellent response over the entire visible color spectrum. The most challenging colors for most LED lights are R9 (red) and R12 (blue). As you can see in the chart below, SpectraCore achieves values of 96 and 92, respectively.

SPECTRACORE 180 CRI VALUES

Ra(1-8): 98
R(9-14): 97
R(1-14): 98

1	2	3	4	5	6	7	8	9	10	11	12	13	14
99	99	99	97	99	97	98	98	96	99	94	92	99	100

FLICKER-FREE, EVEN WHEN DIMMED

SpectraCore 180 features smooth flicker-free dimming from 5% to 100% while maintaining the same CRI levels and color temperature (kelvin) at any brightness level. SpectraCore 180 does not use pulse-width modulation, which can cause flickering in many LED lights.

UL LISTED IN THE US AND CANADA

SpectraCore 180 has been independently tested and certified for fire, electrical, and mechanical safety by UL.

c(UL)us
LISTED
E498816

ACCURATE COLOR IS AT THE CORE OF EVERYTHING WE DO.

SpectraCore
CONNECT

SpectraCore Connect adds smartphone dimming and flash strobe capability to SpectraCore LED lighting. Multiple lights can be daisy-chain controlled from one SpectraCore Connect.

SMARTPHONE DIMMING

SpectraCore Connect includes two smartphone channels. You may operate one channel to dim each connected light at the same percentage, or use both channels to provide two separate dimmer settings.

- Dim from 100% light down to 5% light
- Works with the Casambi App
- Available for iPhone and Android

FLASH STROBE

SpectraCore Connect also includes a flash strobe controller. The camera's flash allows connected SpectraCore lights to strobe from their set minimum brightness to full intensity for a specified period of time.

- Compatible with most wireless flash triggers (trigger and cables not included)
- Flash Duration and Minimum Brightness are set using precision 10-turn knobs

UNIQUE LIGHTING SOLUTION FOR MUSEUMS

SpectraCore's color accuracy and portability make it a perfect solution for museum archiving, both in the studio and exhibit spaces.

BRIGHT, ACCURATE, SAFE

- 5600 lux @ 1m (at 100% power)
- Soft light—no hard shadows
- Full visible spectrum at 98 CRI with no UV energy
- Low heat output
- UL Listed in the US and Canada

PORTABLE, VERSATILE

- Integrated power—no external power supply
- Uses standard power cord which can be used with extension cords
- Weighs only 13.5 lbs
- Mount horizontally or vertically, alone or stacked
- Add flash strobe with SpectraCore Connect

USE WITH FILTERS AND GELS

- Steel front frame allows filters and gels to be applied using magnets

SpectraCore™ 180
LED Soft Light

SPECIFICATIONS

COLOR QUALITY

- CRI (Color Rendering Index) 98+
- Full visible spectrum
- No UV energy—suitable for fine art and cultural heritage items
- Fixed D50 5000K balanced daylight color temperature

LIGHT QUALITY

- Soft light—no hard shadows
- 5600 lux @ 1m (100% power)
- Dimming mode: Smooth dimming from 5% to 100%, with no color shift or CRI shift throughout the entire range
- Flicker-free performance, even when dimmed
- Does not use pulse-width modulation, which can cause flickering in many LED lights

WARRANTY

- Two years from date of purchase
- Covers all parts and labor
- Extended Warranty available to cover all parts and labor, and replacement of LED panel if the unit falls out of range*
- Extended Warranty must be purchased during warranty period and renewed annually.

MOUNTING OPTIONS

- Horizontal and Vertical mounting options
- Ability to stack lights together with optional hardware (not included)
- Yoke and yoke mount included
- 75/100 mm VESA compatible (VESA mount hardware not included)

DIMENSIONS/WEIGHT

- With yoke: 22.2″ x 15.6″ x 4.1″
- Without yoke: 19.8″ x 13.9″ x 4.1″
- 13.5 lbs/6.1 kg

POWER

- Voltage: 120V AC
- Frequency: 60 Hz
- Maximum Power Draw: 180W Max

CONSTRUCTION/CERTIFICATION

- Designed and engineered by ColorBurst Systems
- Steel front frame allows filters and gels to be attached with magnets
- Lightweight aluminum back housing
- Custom LED phosphors for higher color accuracy
- UL Certified and Listed with UL registered components; inspected quarterly by UL

Shown with optional VESA mount hardware (not included).

WHAT'S INCLUDED

- Soft Light LED Lamp with attached yoke
- Yoke Mount with additional stability plate
- AC Power Cord

*Contact us for extended warranty details.

THE VALUE OF UL CERTIFICATION

Product safety is very important. A UL Listed product has passed rigorous independent testing by a Qualified Testing Lab for fire, electrical, and mechanical safety. Quarterly (unannounced) site inspections verify that the UL listed product is consistently manufactured to meet safety requirements.

In addition, UL Listed products may only contain UL Registered Components that are also inspected quarterly by UL field engineers. The manufacturer has the responsibility of testing components with annually calibrated testing equipment, as specified by UL, as part of the product Certification.

In contrast, products that only carry the "CE" Mark are self-reported by the manufacturer as safe—they are not independently tested,

there are no quarterly inspections, and components are not required to be certified.

As a UL Certified and Listed LED lighting system, SpectraCore 180 has passed these rigorous tests, and will continue to be inspected quarterly by UL. We are committed to delivering a safe and reliable LED lighting system.

UL Certified and Listed in the US and Canada

Independently tested and certified for fire, electrical, and mechanical safety by UL.

c(UL)us LISTED E498816