

**IN THE UNITED STATES DISTRICT COURT
FOR THE DISTRICT OF DELAWARE**

COLT INTERNATIONAL CLOTHING
INC. d/b/a COLT LED,

Plaintiff,

v.

QUASAR SCIENCE LLC,
CINELEASE, INC., SONY PICTURES
ENTERTAINMENT INC., WARNER
BROS. ENTERTAINMENT INC., and
FOX CORPORATION,

Defendants.

Civil Action No. 22-cv-213-GBW

PLAINTIFF’S INITIAL INFRINGEMENT CONTENTIONS

Pursuant to Section 3(c) of the Scheduling Order entered by the Court on December 2, 2022 (D.I. 82), Plaintiff, Colt International Clothing Inc. d/b/a Colt LED (“Plaintiff”), provides its initial claim charts to Defendants, Quasar Science LLC, Cinelease, Inc., Sony Pictures Entertainment Inc., Warner Bros. Entertainment Inc., and Fox Corporation (collectively, “Defendants”), with respect to Defendants’ infringement of U.S. Patent Nos. 9,719,642 (“the ‘642 patent”), 9,845,924 (“the ‘924 patent”), 10,197,224 (“the ‘224 patent”), 10,411,582 (“the ‘582 patent”), 10,566,895 (“the ‘895 patent”), 10,718,473 (“the ‘473 patent”), and 11,293,600 (“the ‘600 patent”) (the ‘642, ‘924, ‘224, ‘582, ‘895, ‘473, and ‘600 patents are hereinafter collectively referred to as the “Asserted Patents”).

Plaintiff provides these initial claim charts before claim construction disclosures, the completion of fact or expert discovery, and the Court’s claim construction ruling. Plaintiff’s contentions are not an admission, adoption, or waiver of any particular claim construction, and Plaintiff reserves all rights with respect to claim construction. These disclosures are preliminary,

based primarily upon information publicly available to Plaintiff, and are potentially different from the final infringement contentions Plaintiff will serve in this litigation once Defendants have provided further discovery concerning their “Accused Products”.¹ Thus, Plaintiff’s investigation of the nature and extent of Defendants’ infringement is necessarily ongoing, and Plaintiff reserves the right to supplement or modify these disclosures as new information becomes available through discovery or other investigation as provided for by the Federal Rules of Civil Procedure and the Local Rules.

Plaintiff contends that Defendants have directly infringed and continue to directly infringe, literally and/or under the doctrine of equivalents, the Asserted Patents in violation of 35 U.S.C. § 271. Plaintiff also contends that each element of each asserted claim is literally met. To the extent that any claim element is found not to be literally met, Plaintiff contends that the Accused Products embody such claim elements under the doctrine of equivalents because there are no substantial differences for each claim element, and the Accused Products perform substantially the same function, in substantially the same way, to achieve substantially the same result.

Dated: February 27, 2023

Respectfully submitted,

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¹ Defendants’ Accused Products are defined in the accompanying claim charts on a per-patent (and, where appropriate, per-claim) basis. The Accused Products include the specific model numbers set forth in these claim charts as well as other models with the same or substantially the same names and functionality.

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**Exhibit 6 – Patent Infringing Claim Chart for Claims
of U.S. Patent No. 10,566,895 by Crossfade Lights**

As used in the following claim charts, the phrase “Accused Products” includes the following products based upon the asserted claim.

Claim	Accused Products
1, 2, 6, 7	15W2060XG, Q15W2060XG-240, Q25W2060XG, Q25W2060XG-240, Q50W2060XG, Q50W2060XG-240, 921-2302, 921-2303, 921-2305, Q75W2060XG, Q75W2060XG-240, Q100W2060XG, and Q100W2060XG-240
8, 9	Q50W2060XG, 921-2303 and Q50W2060XG-240
12	Q50W2060XG, Q50W2060XG-240, 921-2303, 921-2305, Q75W2060XG, Q75W2060XG-240, Q100W2060XG, and Q100W2060XG-240
13	Q50W2060XG, 921-2303, and Q50W2060XG-240
15	15W2060XG, Q15W2060XG-240, Q25W2060XG, Q25W2060XG-240, Q50W2060XG, Q50W2060XG-240, 921-2302, 921-2303, 921-2305, Q75W2060XG, Q75W2060XG-240, Q100W2060XG, and Q100W2060XG-240
16, 18, 21	Q25W2060XG, Q25W2060XG-240, Q50W2060XG, Q50W2060XG-240, 921-2302, 921-2303, 921-2305, Q75W2060XG, Q75W2060XG-240, Q100W2060XG, and Q100W2060XG-240
22	Q50W2060XG, Q50W2060XG-240, 921-2303, 921-2305, Q75W2060XG, Q75W2060XG-240, Q100W2060XG, and Q100W2060XG-240

Claim 1	Accused Products
An LED light system configured for providing broad-spectrum white light suitable for a commercial image recording, in a form factor of a fluorescent light tube lamp, the LED light system comprising:	The Accused Products provide broad spectrum white light suitable for commercial image recoding.  1. Product description a. The Q15W2060XG, Q25W2060XG, Q50W2060XG, Q75W2060XG, and Q100W2060XG Light Emitting Diode (LED) lamps are T12-sized LED bulbs containing a two strips of LEDs emitting either 2000K or 6000K directly phosphor converted 450nm LEDs. b. The LEDs are diffused through a 180° diffuser to provide an even illumination surface at high enough frequencies to prevent flicker artifacts in photographic applications. c. The LED diodes are “mixed” by changing the ratio of diode channel dim levels set by an input CCT analog potentiometer and maintains maximum device wattage per CCT setting. d. The LEDs are dimmed through the use of external TRIAC AC dimmers. The Accused Products have the form of a fluorescent tube.
a. a housing having ends and	The Accused Products have a housing with ends.

**Exhibit 6 – Patent Infringing Claim Chart for Claims
of U.S. Patent No. 10,566,895 by Crossfade Lights**

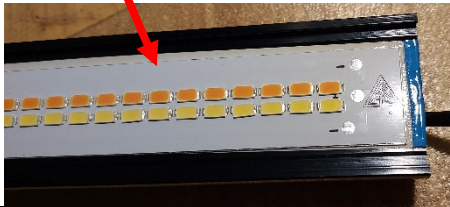
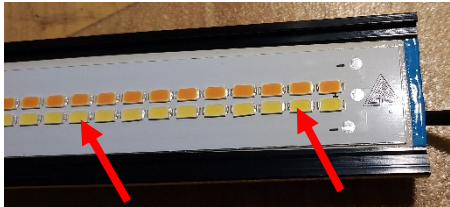
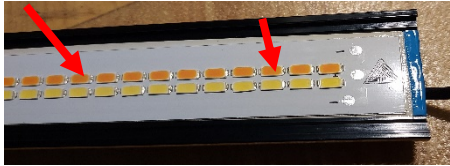
Claim 1	Accused Products
	
including a support structure in a form of an elongated and narrow surface having a top side and a bottom side;	The Accused Products have an elongated and narrow support structure (red arrow). The support structure has a top and bottom side. 
b. a plurality of first LEDs mounted on the top side of the support structure and configured to emit broad-spectrum white light in a first predetermined Kelvin temperature range of cool white light;	The Accused Products have a first set of LEDs (red arrows) mounted to the top of the support structure that produce broad spectrum white light.  The first set of LEDs produce 6000K cool white light. • X-fade White Light: Crossfade blending of our Candle Light diode (2000k) and our Overcast Daylight diode (6000k) mixing a balanced variable color spectrum.
c. a plurality of second LEDs mounted on the top side of the support structure and configured to emit broad-spectrum white light in a second predetermined Kelvin temperature range of warm white light;	The Accused Products have a second set of LEDs (red arrows) mounted to the top of the support structure that produce broad spectrum white light.  The second set of LEDs produce warm white light at 2000K.

**Exhibit 6 – Patent Infringing Claim Chart for Claims
of U.S. Patent No. 10,566,895 by Crossfade Lights**

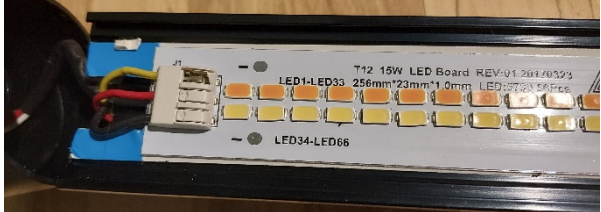
Claim 1	Accused Products
	• X-fade White Light: Crossfade blending of our Candle Light diode (2000k) and our Overcast Daylight diode (6000k) mixing a balanced variable color spectrum.
d. circuitry mounted to the support structure including an LED driver circuit configured for driving (i) the first LEDs, to provide light in the first predetermined Kelvin temperature range; or (ii) the second LEDs, to provide light in the second predetermined Kelvin temperature range,	The Accused Products have circuitry mounted on the support structure for selectively powering the first and second sets of LEDs. 
wherein the first and second predetermined Kelvin temperature ranges are nonoverlapping, and	The first and second temperature ranges produced by the LEDs are non-overlapping. • X-fade White Light: Crossfade blending of our Candle Light diode (2000k) and our Overcast Daylight diode (6000k) mixing a balanced variable color spectrum.
including a printed circuit board mounted to the support structure for carrying electrical power from a connection to the LED driver circuit and then to the first and second LEDs;	The Accused Products include a printed circuit board mounted to the support structure.  The base cap includes a connection for receiving electrical power.  The printed circuit board carries power from the base cap to the LED driver circuit.
e. an elongate cover extending substantially a length of the support structure and covering the top side of the support structure for diffusing light emitted by the first and second LEDs; and	The Accused Products include a cover extending the length of top side of the support structure.  The cover diffuses the light from the first and second LEDs.

**Exhibit 6 – Patent Infringing Claim Chart for Claims
of U.S. Patent No. 10,566,895 by Crossfade Lights**

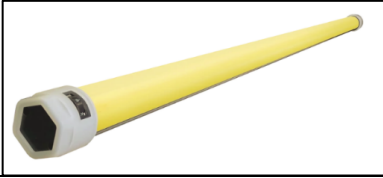
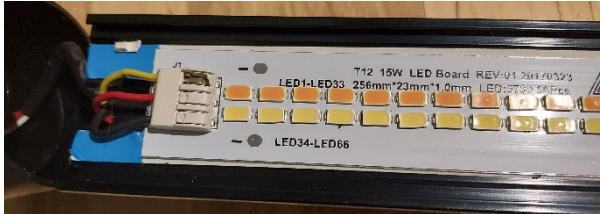
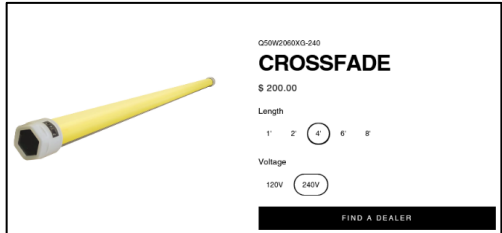
Claim 1	Accused Products
	
f. wherein the housing and cover together have an elongate linear form factor,	The support structure and cover have an elongate linear form factor. 
g. wherein the LED light system is configured for receiving input power to be provided to the LED driver circuit to selectively light the first or second LEDs,	The Accused Products are configured to receiving power that selectively lights the first or second LEDs. 
h. wherein the first and second LEDs are disposed in a plurality of rows distributed along the length of the top side of the support structure to emit light, when selectively lit by the LED driver circuit, along the length of the top side of the support structure,	In the Accused Products, the first and second LEDs are evenly disposed on the top side of the support structure in two rows. 
i. wherein the light is diffused by the cover and is suitable for the commercial image recording both when the emitted light from the LED light system is in the first temperature range of cool white light and when the emitted light from the LED light system is in the second temperature range of warm white light, and	In the Accused Products, the light is diffused by the cover.  The Accused Products are suitable for commercial image recording when they produce light in the first or second temperature range.

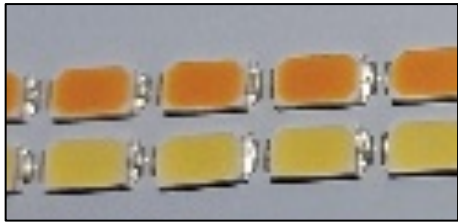
**Exhibit 6 – Patent Infringing Claim Chart for Claims
of U.S. Patent No. 10,566,895 by Crossfade Lights**

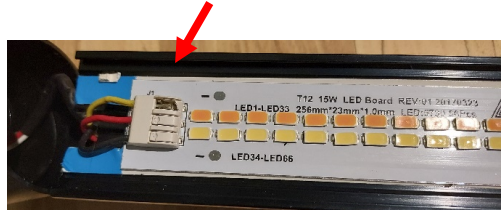
Claim 1	Accused Products
	Crossfade Linear LED Lamps With the Crossfade, tune the lamp from our beautiful 2000° Kelvin Candle Light all the way through to our 6000° Kelvin Overcast Daylight. Whether lighting actors or lighting environments, the versatility is undeniable. Stack lamps into large arrays to form LED panels of tremendous size and proportion. Light backings with unprecedented energy efficiency.
j. wherein the light emitted from the LED light system is suitable for the commercial image recording when said emitted light:	The Accused Products are suitable for commercial image recording when they produce light in the first or second temperature range. Crossfade Linear LED Lamps With the Crossfade, tune the lamp from our beautiful 2000° Kelvin Candle Light all the way through to our 6000° Kelvin Overcast Daylight. Whether lighting actors or lighting environments, the versatility is undeniable. Stack lamps into large arrays to form LED panels of tremendous size and proportion. Light backings with unprecedented energy efficiency.
(i) is at least 1000 lumens when the first LEDs are lit and is also at least 1000 lumens when the second LEDs are lit;	The Accused Products produce at least 1000 lumens when the first or second LEDs are lit. The Q15XG is 15W and produces 90+ lumens per Watt (i.e., at least 1350 watts). True Power: 15 W Apparent Power: 21.6 VA Power Factor: 0.694 Voltage: 120 or 240 VAC Current Draw: 0.18 A @ 120 V [0.09 A @ 240 V] Efficiency: 90+ lumens / W Power Connect: Grounded G13 Single End Ballast: Internal Self Ballasted • Energy Efficiency: At 90+ lumens per watt the lamps vastly outperforms Quartz, Halogen, Plasma and HMI lighting sources in the luminous output to power consumption ratio. The larger Accused Products produce more light than the Q15XG.
(ii) is broad-spectrum white light having a color deviation corresponding to less than five points of green and less than five points of magenta (5M, 5G) of color compensation (CC), and	The Accused Products have no Green Spikes and have 0CC. All Quasar products have a CRI of 95+ with 0CC (no Magenta or Green spikes)
(iii) has a color rendering index of light emitted from each of the first LEDs or each of the second LEDs, whichever respective	The Accused Products have a color rendering index (CRI) greater than 95.

**Exhibit 6 – Patent Infringing Claim Chart for Claims
of U.S. Patent No. 10,566,895 by Crossfade Lights**

Claim 1	Accused Products
plurality of first or second LEDs is lit, that is greater than 90.	All Quasar products have a CRI of 95+ with 0CC (no Magenta or Green spikes)

Claim 2	Accused Products
The LED light system of claim 1, wherein the LED light system is provided without a gel or filter.	The Accused Products are not provided with a gel or filter. 

Claim 6	Accused Products
The LED light system of claim 1, wherein the first and second LEDs are phosphor-based light emitters.	The LEDs of the Accused Products are phosphor-based light emitters.  a. The Q15W2060XG, Q25W2060XG, Q50W2060XG, Q75W2060XG, and Q100W2060XG Light Emitting Diode (LED) lamps are T12-sized LED bulbs containing a two strips of LEDs emitting either 2000K or 6000K directly phosphor converted 450nm LEDs.

Claim 7	Accused Products
The LED light system of claim 1, wherein the housing comprises an aluminum housing.	The Accused Product have non-magnetic housings that appear to be aluminum. 

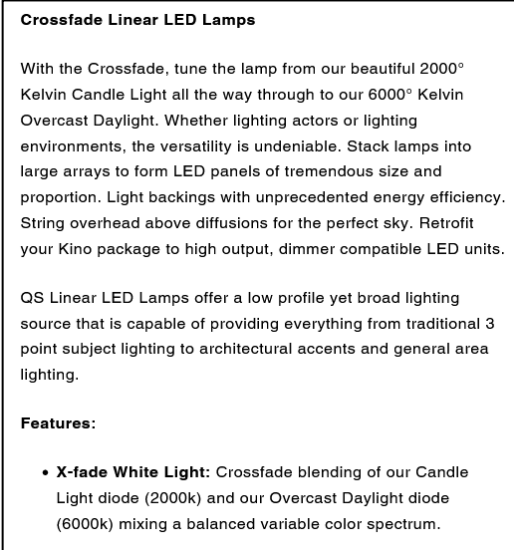
Claim 8	Accused Products
The LED light system of claim 1, wherein the housing has a length of about four feet.	The Accused Products have a length of about four feet.

**Exhibit 6 – Patent Infringing Claim Chart for Claims
of U.S. Patent No. 10,566,895 by Crossfade Lights**

Claim 8	Accused Products						
	Q50W2060XG CROSSFADE \$ 200.00 Length 1' 2' 4' 6' 8'						
Claim 9	Accused Products						
The LED light system of claim 8, wherein the housing has a cross-sectional dimension of no greater than about 41 mm.	The Accused Products have a cross-section dimension of about 1.5 inches. Length Q15W2060XG: 1' / 30.5cm pin tip to pin tip Q25W2060XG: 2' / 61cm pin tip to pin tip Q50W2060XG: 4' / 122cm pin tip to pin tip Q75W2060XG: 6' / 183cm pin tip to pin tip Q100W2060XG: 8' / 244cm pin tip to pin tip Diameter 1.5" / 3.81 cm 41 mm is 1.614 inches.						
Claim 12	Accused Products						
The LED light system of claim 1, further comprising a power supply configured to provide at least 42 watts, and wherein the LED driver is configured to selectively drive the first LEDs with at least 42 watts and the second LEDs with at least 42 watts.	The Accused Products include a power supply that provides at least 42 watts of power to selectively drive the LEDs. Q50XC INFO SHEET  Features & Specifications <table border="0"> <tr> <td>Luminaires: 2000K & 6000K LEDs</td> <td>True Power: 50 W Apparent Power: 72 VA</td> </tr> <tr> <td>Color Control: Onboard Crossfade Wheel</td> <td>Power Factor: 0.694</td> </tr> <tr> <td>Lifetime: 25,000+ hours</td> <td>Voltage: 120 or 240 VAC</td> </tr> </table> The number after the Q in the model name of the Accused Products appears to indicate the wattage of the product. For example, the Q50W2060XG is a 50-watt light.	Luminaires: 2000K & 6000K LEDs	True Power: 50 W Apparent Power: 72 VA	Color Control: Onboard Crossfade Wheel	Power Factor: 0.694	Lifetime: 25,000+ hours	Voltage: 120 or 240 VAC
Luminaires: 2000K & 6000K LEDs	True Power: 50 W Apparent Power: 72 VA						
Color Control: Onboard Crossfade Wheel	Power Factor: 0.694						
Lifetime: 25,000+ hours	Voltage: 120 or 240 VAC						

**Exhibit 6 – Patent Infringing Claim Chart for Claims
of U.S. Patent No. 10,566,895 by Crossfade Lights**

Claim 13	Accused Products
The LED light system of claim 8, further comprising a power supply configured to provide at least 42 watts, and wherein the LED driver is configured to selectively drive the first LEDs with at least 42 watts and the second LEDs with at least 42 watts.	The Accused Products include a power supply that provides at least 42 watts of power to selectively drive the LEDs.  The number after the Q in the model name of the Accused Products appears to indicate the wattage of the product. For example, the Q50W2060XG is a 50-watt light.

Claim 15	Accused Products
The LED light system of claim 1, wherein the warm white light is tungsten balanced, and the cool white light is daylight balanced.	The Accused Products provide balanced white light. 

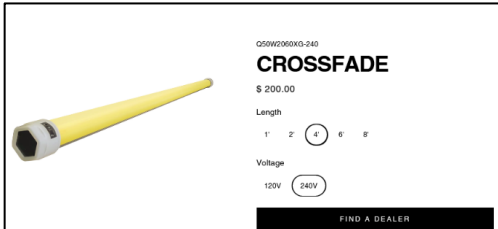
Claim 16	Accused Products
An LED light system configured for providing broad-spectrum white light suitable for a commercial image recording, in a form factor of a fluorescent light tube lamp, the LED light system comprising:	The Accused Products provide broad spectrum white light suitable for commercial image recoding. 

**Exhibit 6 – Patent Infringing Claim Chart for Claims
of U.S. Patent No. 10,566,895 by Crossfade Lights**

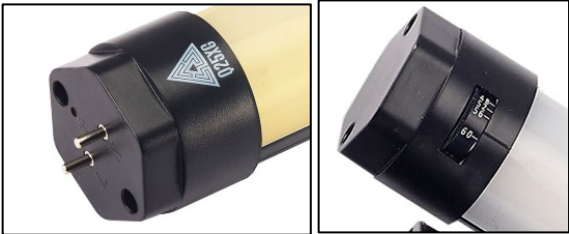
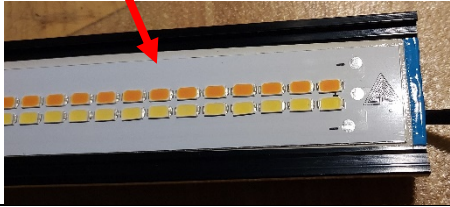
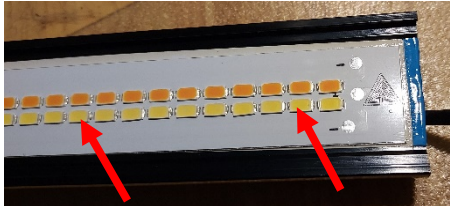
Claim 16	Accused Products
	1. Product description a. The Q15W2060XG, Q25W2060XG, Q50W2060XG, Q75W2060XG, and Q100W2060XG Light Emitting Diode (LED) lamps are T12-sized LED bulbs containing a two strips of LEDs emitting either 2000K or 6000K directly phosphor converted 450nm LEDs. b. The LEDs are diffused through a 180° diffuser to provide an even illumination surface at high enough frequencies to prevent flicker artifacts in photographic applications. c. The LED diodes are “mixed” by changing the ratio of diode channel dim levels set by an input CCT analog potentiometer and maintains maximum device wattage per CCT setting. d. The LEDs are dimmed through the use of external TRIAC AC dimmers. The Accused Products have the form of a fluorescent tube.
a. a housing having ends and	The Accused Products have a housing with ends. 
including a support structure in a form of an elongated and narrow surface having a top side and a bottom side;	The Accused Products have an elongated and narrow support structure (red arrow). The support structure has a top and bottom side. 
b. a plurality of first LEDs mounted on the top side of the support structure and configured to emit broad-spectrum white light in a first predetermined Kelvin temperature range of cool white light;	The Accused Products have a first set of LEDs (red arrows) mounted to the top of the support structure that produce broad spectrum white light.  The first set of LEDs produce 6000K cool white light. • X-fade White Light: Crossfade blending of our Candle Light diode (2000k) and our Overcast Daylight diode (6000k) mixing a balanced variable color spectrum.
c. a plurality of second LEDs mounted on the top side of the support structure and configured to emit broad-spectrum white light	The Accused Products have a second set of LEDs (red arrows) mounted to the top of the

**Exhibit 6 – Patent Infringing Claim Chart for Claims
of U.S. Patent No. 10,566,895 by Crossfade Lights**

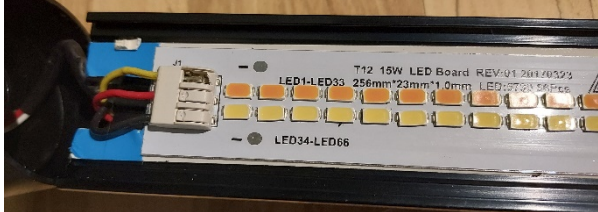
Claim 16	Accused Products
in a second predetermined Kelvin temperature range of warm white light;	support structure that produce broad spectrum white light.  The second set of LEDs produce warm white light at 2000K. • X-fade White Light: Crossfade blending of our Candle Light diode (2000k) and our Overcast Daylight diode (6000k) mixing a balanced variable color spectrum.
d. circuitry mounted to the support structure including an LED driver circuit configured for driving (i) the first LEDs, to provide light in the first predetermined Kelvin temperature range; or (ii) the second LEDs, to provide light in the second predetermined Kelvin temperature range,	The Accused Products have circuitry mounted on the support structure for selectively powering the first and second sets of LEDs. 
wherein the first and second predetermined Kelvin temperature ranges are nonoverlapping, and	The first and second temperature ranges produced by the LEDs are non-overlapping. • X-fade White Light: Crossfade blending of our Candle Light diode (2000k) and our Overcast Daylight diode (6000k) mixing a balanced variable color spectrum.
including a printed circuit board mounted to the support structure for carrying electrical power from a connection to the LED driver circuit and then to the first and second LEDs;	The Accused Products include a printed circuit board mounted to the support structure.  The base cap includes a connection for receiving electrical power.  The printed circuit board carries power from the base cap to the LED driver circuit.

**Exhibit 6 – Patent Infringing Claim Chart for Claims
of U.S. Patent No. 10,566,895 by Crossfade Lights**

Claim 16	Accused Products
e. an elongate cover extending substantially a length of the support structure and covering the top side of the support structure for diffusing light emitted by the first and second LEDs;	The Accused Products include a cover extending the length of top side of the support structure.  The cover diffuses the light from the first and second LEDs. 
f. wherein the housing and cover together have an elongated linear form factor in substantially a T8 or T12 form factor;	In the Accused Products the housing and cover together have a T12 form factor. 
g. wherein the light emitted from the first LEDs and the light emitted from the second LEDs are each broad-spectrum white light having a color deviation corresponding to less than five points of green and less than five points of magenta (5M, 5G) of color compensation (CC);	The Accused Products have no Green Spikes and have 0CC. All Quasar products have a CRI of 95+ with 0CC (no Magenta or Green spikes)
h. wherein a color rendering index of the first LEDs and the second LEDs is greater than 90;	The Accused Products have a color rendering index (CRI) greater than 95. All Quasar products have a CRI of 95+ with 0CC (no Magenta or Green spikes)
i. wherein the light emitted from the LED light system is at least 1000 lumens when the first LEDs are lit and is also at least 1000 lumens when the second LEDs are lit;	The Accused Products produce at least 90 lumens per watt when the first or second LEDs are lit. • Energy Efficiency: At 90+ lumens per watt the lamps vastly outperforms Quartz, Halogen, Plasma and HMI lighting sources in the luminous output to power consumption ratio.

**Exhibit 6 – Patent Infringing Claim Chart for Claims
of U.S. Patent No. 10,566,895 by Crossfade Lights**

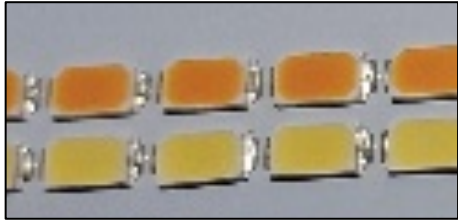
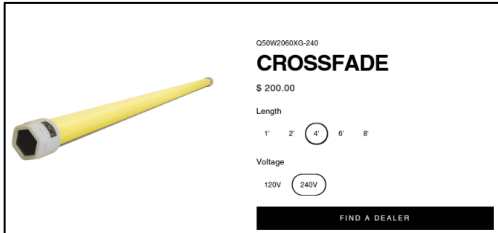
Claim 16	Accused Products
	The 25 watt Q25W2060XG produces at least 2250 lumens (25x90), and the larger products produce even more light.
j. wherein the first and second LEDs are phosphor-based emitters; and	The LEDs of the Accused Products are phosphor-based light emitters.  a. The Q15W2060XG, Q25W2060XG, Q50W2060XG, Q75W2060XG, and Q100W2060XG Light Emitting Diode (LED) lamps are T12-sized LED bulbs containing a two strips of LEDs emitting either 2000K or 6000K directly phosphor converted 450nm LEDs.
k. wherein a power supply provides at least 20 watts and the LED driver circuit is configured to selectively drive the first LEDs with at least 20 watts and the second LEDs with at least 20 watts.	The Accused Products include a power supply that provides at least 25 watts of power to selectively drive the LEDs.  The number after the Q in the model name of the Accused Products appears to indicate the wattage of the product. For example, the Q50W2060XG is a 50-watt light.
Claim 18	Accused Products
The LED light system of claim 17, wherein the LED light system is provided without a gel or filter.	The Accused Products are not provided with a gel or filter. 
Claim 21	Accused Products
The LED light system of claim 16, wherein the housing has a cross-sectional dimension of no greater than about 41 mm.	The Accused Products have a cross-section dimension of about 1.5 inches.

**Exhibit 6 – Patent Infringing Claim Chart for Claims
of U.S. Patent No. 10,566,895 by Crossfade Lights**

Claim 21	Accused Products
	Length Q15W2060XG: 1' / 30.5cm pin tip to pin tip Q25W2060XG: 2' / 61cm pin tip to pin tip Q50W2060XG: 4' / 122cm pin tip to pin tip Q75W2060XG: 6' / 183cm pin tip to pin tip Q100W2060XG: 8' / 244cm pin tip to pin tip Diameter 1.5" / 3.81 cm 41 mm is 1.614 inches.
Claim 22	Accused Products
The LED light system of claim 21, further comprising a power supply configured to provide at least 42 watts, and wherein the LED driver is configured to selectively drive the first LEDs with at least 42 watts and the second LEDs with at least 42 watts.	The Accused Products include a power supply that provides at least 42 watts of power to selectively drive the LEDs. Q50XC Info SHEET Features & Specifications Luminaires: 2000K & 6000K LEDs Color Control: Onboard Crossfade Wheel Lifetime: 25,000+ hours True Power: 50 W Power Factor: 0.694 Voltage: 120 or 240 VAC Apparent Power: 72 VA  The number after the Q in the model name of the Accused Products appears to indicate the wattage of the product. For example, the Q50W2060XG is a 50-watt light.

**Exhibit 7 – Patent Infringing Claim Chart for Claims
of U.S. Patent No. 10,566,895 by S-Switch Lights**

As used in the following claim charts, the phrase “Accused Products” includes the following products based upon the asserted claim.

Claim	Accused Products
1-3, 6, 7	Q15W3056SG, Q15W3056SG-240, Q25W3056SG, Q25W3056SG-240, Q25W3056S2, Q50W3056SG, Q50W3056SG-240, Q50W3056S2, Q75W3056SG-240, Q75W3056SG, Q100W3056G, Q100W3056G-240, and Q100W3056S2
8, 9	Q50W3056SG, Q50W3056SG-240, and Q50W3056S2
10, 11	Q25W3056SG, Q25W3056SG-240, Q25W3056S2, Q50W3056SG, Q50W3056SG-240, Q50W3056S2, Q75W3056SG-240, Q75W3056SG, Q100W3056G, Q100W3056G-240, and Q100W3056S2
12	Q50W3056SG, Q50W3056SG-240, Q50W3056S2, Q75W3056SG-240, Q75W3056SG, Q100W3056G, Q100W3056G-240, and Q100W3056S2
13	Q50W3056SG, Q50W3056SG-240, and Q50W3056S2
14, 15	Q15W3056SG, Q15W3056SG-240, Q25W3056SG, Q25W3056SG-240, Q25W3056S2, Q50W3056SG, Q50W3056SG-240, Q50W3056S2, Q75W3056SG-240, Q75W3056SG, Q100W3056G, Q100W3056G-240, and Q100W3056S2
16-18	Q25W3056SG, Q25W3056SG-240, Q25W3056S2, Q50W3056SG, Q50W3056SG-240, Q75W3056SG-240, Q75W3056SG, Q100W3056G, Q100W3056G-240, and Q100W3056S2
21	Q25W3056SG, Q25W3056SG-240, Q25W3056S2, Q50W3056SG, Q50W3056SG-240, Q50W3056S2, Q75W3056SG-240, Q75W3056SG, Q100W3056G, Q100W3056G-240, and Q100W3056S2
22	Q50W3056SG, Q50W3056SG-240, Q50W3056S2, Q75W3056SG-240, Q75W3056SG, Q100W3056G, Q100W3056G-240, and Q100W3056S2
23, 24, 27	Q15W3056SG, Q15W3056SG-240, Q25W3056SG, Q25W3056SG-240, Q25W3056S2, Q50W3056SG, Q50W3056SG-240, and Q50W3056S2
28, 29	Q50W3056SG, Q50W3056SG-240, and Q50W3056S2

Claim 1	Accused Products
An LED light system configured for providing broad-spectrum white light suitable for a commercial image recording, in a form factor of a fluorescent light tube lamp, the LED light system comprising:	The Accused Products provide broad spectrum white light suitable for commercial image recoding.

**Exhibit 7 – Patent Infringing Claim Chart for Claims
of U.S. Patent No. 10,566,895 by S-Switch Lights**

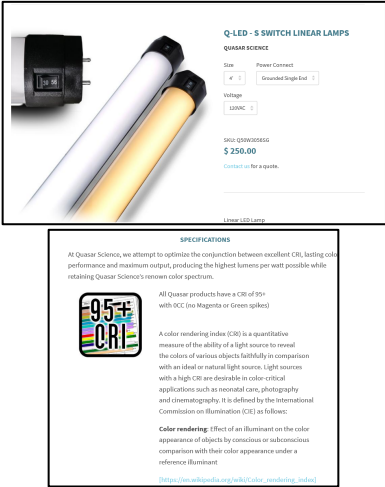
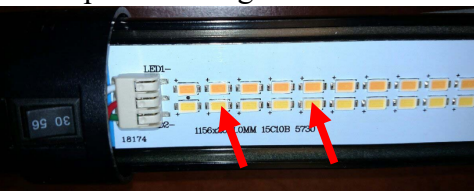
Claim 1	Accused Products
	 The Accused Products have the form of a fluorescent tube.
a. a housing having ends and	The Accused Products have a housing with end caps (red arrow). 
including a support structure in a form of an elongated and narrow surface having a top side and a bottom side;	The Accused Products include a support structure (red arrow) that has a long narrow surface with top and bottom sides. 
b. a plurality of first LEDs mounted on the top side of the support structure and configured to emit broad-spectrum white light in a first predetermined Kelvin temperature range of cool white light;	The Accused Products include a first set of LEDs (red arrows) mounted on the support structure configured to emit white light in the Kelvin temperature range of cool white.  Linear LED Lamp Switch lamps have a rocker switch at one end of the lamp to select either 3000k or 5600k.

**Exhibit 7 – Patent Infringing Claim Chart for Claims
of U.S. Patent No. 10,566,895 by S-Switch Lights**

Claim 1	Accused Products
c. a plurality of second LEDs mounted on the top side of the support structure and configured to emit broad-spectrum white light in a second predetermined Kelvin temperature range of warm white light;	The Accused Products include a second set of LEDs (red arrows) mounted on the support structure configured to emit white light in the Kelvin temperature range of warm white.  Linear LED Lamp Switch lamps have a rocker switch at one end of the lamp to select either 3000K or 5600K.
d. circuitry mounted to the support structure	The Accused Products include circuitry mounted to the support structure that includes a circuit that provides power to the LEDs. 
[the circuitry] including an LED driver circuit configured for driving (i) the first LEDs, to provide light in the first predetermined Kelvin temperature range; or (ii) the second LEDs, to provide light in the second predetermined Kelvin temperature range,	The Accused Products include an LED driver circuit that utilizes two-way switches enabling selection between cool white LEDs on and warm white LEDs on.  The switch in the Accused Products is an electronic switch that completes or breaks electronic circuits to selectively power the LEDs of the Accused Products. In the Accused Products, the switch electronically toggles from having the first set of LEDs on with the second set of LEDs off to having the second set of LEDs on with the first set of LEDs off.

**Exhibit 7 – Patent Infringing Claim Chart for Claims
of U.S. Patent No. 10,566,895 by S-Switch Lights**

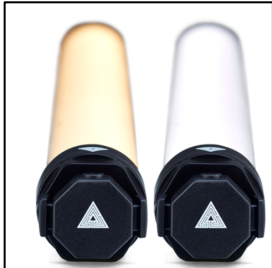
Claim 1	Accused Products
wherein the first and second predetermined Kelvin temperature ranges are nonoverlapping, and	In the Accused Products, the kelvin temperature ranges of the first and second LEDs are non-overlapping. Linear LED Lamp Switch lamps have a rocker switch at one end of the lamp to select either 3000k or 5600k.
including a printed circuit board mounted to the support structure for carrying electrical power from a connection to the LED driver circuit and then to the first and second LEDs;	The Accused Products include a printed circuit board mounted to the support structure that connects to the LED driver circuit. 
e. an elongate cover extending substantially a length of the support structure and covering the top side of the support structure for diffusing light emitted by the first and second LEDs; and	The Accused Products include a cover (red arrow) that extends substantially the length of the support structure and covers the top side of the support structure.  The covers diffuse the light emitted by the LEDs on the support structure.
f. wherein the housing and cover together have an elongate linear form factor,	The housing and cover have an elongated linear form factor of a fluorescent tube light. 
g. wherein the LED light system is configured for receiving input power to be provided to the LED driver circuit to selectively light the first or second LEDs,	The Accused Products have a connection at one of the ends for receiving power that is provided to the LEDs.

**Exhibit 7 – Patent Infringing Claim Chart for Claims
of U.S. Patent No. 10,566,895 by S-Switch Lights**

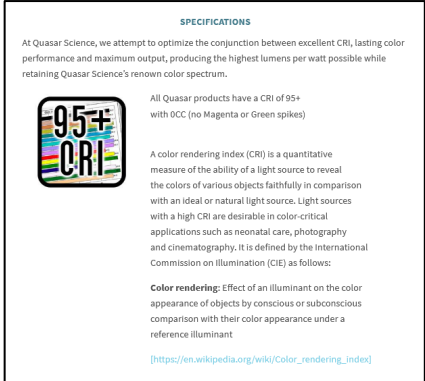
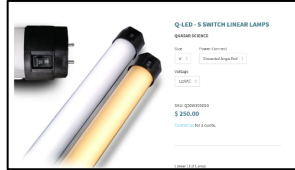
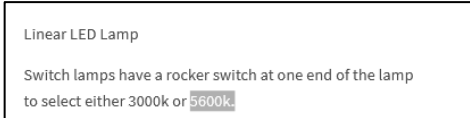
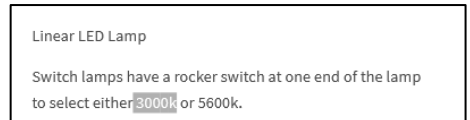
Claim 1	Accused Products
	
h. wherein the first and second LEDs are disposed in a plurality of rows distributed along the length of the top side of the support structure to emit light, when selectively lit by the LED driver circuit, along the length of the top side of the support structure,	In the Accused Products, the first and second sets of LEDs are equally distributed in two rows along the length of the support structure. 
i. wherein the light is diffused by the cover and is suitable for the commercial image recording both when the emitted light from the LED light system is in the first temperature range of cool white light and when the emitted light from the LED light system is in the second temperature range of warm white light, and	The light produced by the Accused Products is suitable for commercial image recording when either the first or second sets of LEDs are illuminated. 
j. wherein the light emitted from the LED light system is suitable for the commercial image recording when said emitted light:	The light produced by the Accused Products is suitable for use in commercial image recording. All Quasar products have a CRI of 95+ with 0CC (no Magenta or Green spikes)
(i) is at least 1000 lumens when the first LEDs are lit and is also at least 1000 lumens when the second LEDs are lit;	The Accused Products use LEDs that produce 90+ lumens per watt. The 15W Q15W3056SG light produces at least 1350 lumens while the larger Accused Products produce even more.
(ii) is broad-spectrum white light having a color deviation corresponding to less than five points of green and less than five points	The light emitted from the Accused Products is broad spectrum white light with no green or magenta spikes (0CC).

**Exhibit 7 – Patent Infringing Claim Chart for Claims
of U.S. Patent No. 10,566,895 by S-Switch Lights**

Claim 1	Accused Products
of magenta (5M, 5G) of color compensation (CC), and	All Quasar products have a CRI of 95+ with 0CC (no Magenta or Green spikes)
(iii) has a color rendering index of light emitted from each of the first LEDs or each of the second LEDs, whichever respective plurality of first or second LEDs is lit, that is greater than 90.	The Accused Products have a color rendering index (CRI) greater than 95. All Quasar products have a CRI of 95+ with 0CC (no Magenta or Green spikes)

Claim 2	Accused Products
The LED light system of claim 1, wherein the LED light system is provided without a gel or filter.	The Accused Products are not provided with gels or filters. 

Claim 3	Accused Products
The LED light system of claim 1, wherein the first LEDs are each configured to emit light with a color temperature between 5000 K and 5800 K, and	In the Accused Products, the first set of LEDs are configured to emit light at 5600K. 
the second LEDs are each configured to emit light with a color temperature between 2800 K and 3300 K.	In the Accused Products, the second set of LEDs are configured to emit light at 3000K. 

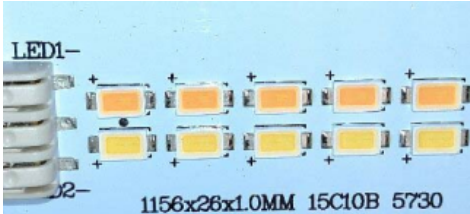
Claim 6	Accused Products
The LED light system of claim 1, wherein the first and second LEDs are phosphor-based light emitters.	In the Accused Products, the LEDs are phosphor-based light emitters. 

**Exhibit 7 – Patent Infringing Claim Chart for Claims
of U.S. Patent No. 10,566,895 by S-Switch Lights**

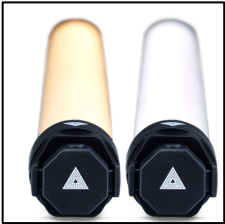
Claim 7	Accused Products
The LED light system of claim 1, wherein the housing comprises an aluminum housing.	The Accused Products have housings made from a non-magnetic metal that appears to be aluminum. 
Claim 8	Accused Products
The LED light system of claim 1, wherein the housing has a length of about four feet.	The Accused Products have a housing with a length of about four feet. LED Lamp Length and Wattage: 4' 50 watt - Q50S 2' 25 watt - Q25S 8' 100 watt - Q100S
Claim 9	Accused Products
The LED light system of claim 8, wherein the housing has a cross-sectional dimension of no greater than about 41 mm.	The housing has a form factor of a fluorescent tube light have with a diameter of about 1.5 inches. 
Claim 10	Accused Products
The LED light system of claim 1, further comprising a power supply configured to provide at least 20 watts, and	The Accused Products have a power supply that provides at least 20 watts of power. The wattage of the Accused Products is listed in their SKUs (e.g., the Q50W3056S2 is 50 watts).
wherein the LED driver is configured to selectively drive the first LEDs with at least 20 watts and the second LEDs with at least 20 watts,	In the Accused Products, the LED driver provides at least 20 watts to the first or second LEDs.

**Exhibit 7 – Patent Infringing Claim Chart for Claims
of U.S. Patent No. 10,566,895 by S-Switch Lights**

Claim 10	Accused Products
driving of the first or second LEDS being switchable by a toggle so that only the first LEDs are on and the second LEDs are off, or the first LEDs are off and the second LEDs are on.	The Accused Products utilize two-way switches enabling selection between cool white LEDs on and warm white LEDs on. 

Claim 11	Accused Products
The LED light system of claim 3, further comprising a power supply configured to provide at least 20 watts, and	The Accused Products have a power supply that provides at least 20 watts of power. The wattage of the Accused Products is listed in their SKUs (e.g., the Q50W 3056S2 is 50 watts).
wherein the LED driver is configured to selectively drive the first LEDs with at least 20 watts and the second LEDs with at least 20 watts,	In the Accused Products, the LED driver provides at least 20 watts to the first or second LEDs.
driving of the first or second LEDS being switchable by a toggle so that only the first LEDs are on and the second LEDs are off, or the first LEDs are off and the second LEDs are on.	The Accused Products utilize two-way switches enabling selection between cool white LEDs on and warm white LEDs on. 

Claim 12	Accused Products
The LED light system of claim 1, further comprising a power supply configured to provide at least 42 watts, and wherein the LED driver is configured to selectively drive the first LEDs with at least 42 watts and the second LEDs with at least 42 watts.	The Accused Products have a power supply that provides at least 50 watts of power. The wattage of the Accused Products is listed in their SKUs (e.g., the Q50W 3056S2 is 50 watts).

Claim 13	Accused Products
The LED light system of claim 8, further comprising a power supply configured to provide at least 42 watts, and wherein the LED driver is configured to selectively drive	The Accused Products have a power supply that provides at least 50 watts of power. The wattage of the Accused Products is listed in

**Exhibit 7 – Patent Infringing Claim Chart for Claims
of U.S. Patent No. 10,566,895 by S-Switch Lights**

Claim 13	Accused Products
the first LEDs with at least 42 watts and the second LEDs with at least 42 watts.	their SKUs (e.g., the Q50W3056S2 is 50 watts).

Claim 14	Accused Products
The LED light system of claim 1, wherein the housing has a manual knob for selectively controlling the LED driver circuit to electronically switch between the first LEDs and the second LEDs.	The Accused Products utilize two-way switches enabling selection between cool white LEDs on and warm white LEDs on by controlling the LED driver circuit. 

Claim 15	Accused Products
The LED light system of claim 1, wherein the warm white light is tungsten balanced, and the cool white light is daylight balanced.	The Accused Products produce light that is balanced. SPECIFICATIONS At Quasar Science, we attempt to optimize the conjunction between excellent CRI, lasting color performance and maximum output, producing the highest lumens per watt possible while retaining Quasar Science's renown color spectrum. A color rendering index (CRI) is a quantitative measure of the ability of a light source to reveal the colors of various objects faithfully in comparison with an ideal or natural light source. Light sources with a high CRI are desirable in color-critical applications such as neonatal care, photography and cinematography. It is defined by the International Commission on Illumination (CIE) as follows: Color rendering: Effect of an illuminant on the color appearance of objects by conscious or subconscious comparison with their color appearance under a reference illuminant

Claim 16	Accused Products
An LED light system configured for providing broad-spectrum white light suitable for a commercial image recording, in a form factor of a fluorescent light tube lamp, the LED light system comprising:	The Accused Products provide broad spectrum white light suitable for commercial image recoding.

**Exhibit 7 – Patent Infringing Claim Chart for Claims
of U.S. Patent No. 10,566,895 by S-Switch Lights**

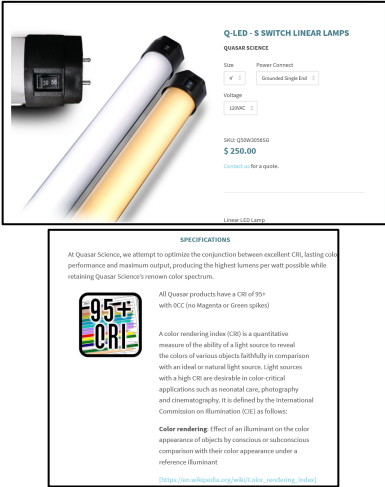
Claim 16	Accused Products
	 The Accused Products have the form of a fluorescent tube.
a. a housing having ends and	The Accused Products have a housing with end caps (red arrow). 
including a support structure in a form of an elongated and narrow surface having a top side and a bottom side;	The Accused Products include a support structure (red arrow) that has a long narrow surface with top and bottom sides. 
b. a plurality of first LEDs mounted on the top side of the support structure and configured to emit broad-spectrum white light in a first predetermined Kelvin temperature range of cool white light;	The Accused Products include a first set of LEDs (red arrows) mounted on the top side of the support structure configured to emit white light in the Kelvin temperature range of cool white. 

**Exhibit 7 – Patent Infringing Claim Chart for Claims
of U.S. Patent No. 10,566,895 by S-Switch Lights**

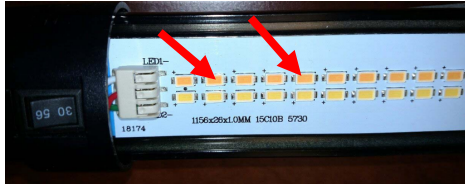
Claim 16	Accused Products
c. a plurality of second LEDs mounted on the top side of the support structure and configured to emit broad-spectrum white light in a second predetermined Kelvin temperature range of warm white light;	Linear LED Lamp Switch lamps have a rocker switch at one end of the lamp to select either 3000k or 5600k. The Accused Products include a second set of LEDs (red arrows) mounted on the top side of the support structure configured to emit white light in the Kelvin temperature range of warm white.  Linear LED Lamp Switch lamps have a rocker switch at one end of the lamp to select either 3000k or 5600k.
d. circuitry mounted to the support structure	The Accused Products include circuitry mounted to the support structure that includes a circuit that provides power to the LEDs. 
[the circuitry] including an LED driver circuit configured for driving (i) the first LEDs, to provide light in the first predetermined Kelvin temperature range; or (ii) the second LEDs, to provide light in the second predetermined Kelvin temperature range,	The Accused Products include an LED driver circuit that utilizes two-way switches enabling selection between cool white LEDs on and warm white LEDs on.  The switch in the Accused Products is an electronic switch that completes or breaks electronic circuits to selectively power the LEDs of the Accused Products. In the Accused Products, the switch electronically toggles from having the first set

**Exhibit 7 – Patent Infringing Claim Chart for Claims
of U.S. Patent No. 10,566,895 by S-Switch Lights**

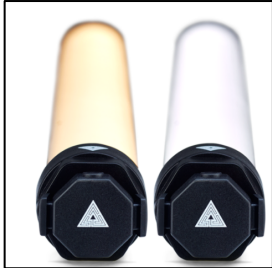
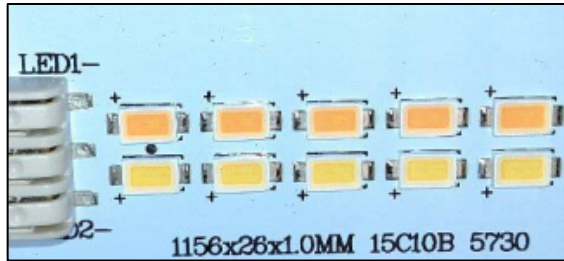
Claim 16	Accused Products
	of LEDs on with the second set of LEDs off to having the second set of LEDs on with the first set of LEDs off.
wherein the first and second predetermined Kelvin temperature ranges are nonoverlapping, and	In the Accused Products, the kelvin temperature ranges of the first and second LEDs are non-overlapping. Linear LED Lamp Switch lamps have a rocker switch at one end of the lamp to select either 3000k or 5600k.
including a printed circuit board mounted to the support structure for carrying electrical power from a connection to the LED driver circuit and then to the first and second LEDs;	The Accused Products include a printed circuit board mounted to the support structure that connects to the LED driver circuit. 
e. an elongate cover extending substantially a length of the support structure and covering the top side of the support structure for diffusing light emitted by the first and second LEDs;	The Accused Products include a cover (red arrow) that extends substantially the length of the support structure and covers the top side of the support structure.  The covers diffuse the light emitted by the LEDs on the support structure.
f. wherein the housing and cover together have an elongated linear form factor in substantially a T8 or T12 form factor;	The housing and cover have an elongated linear form factor of a fluorescent tube light.  The housing and cover have a T12 form factor.
g. wherein the light emitted from the first LEDs and the light emitted from the second LEDs are each broad-spectrum white light	The light emitted from the Accused Products is broad spectrum white light with no green or magenta spikes (0CC).

**Exhibit 7 – Patent Infringing Claim Chart for Claims
of U.S. Patent No. 10,566,895 by S-Switch Lights**

Claim 16	Accused Products
having a color deviation corresponding to less than five points of green and less than five points of magenta (5M, 5G) of color compensation (CC);	All Quasar products have a CRI of 95+ with 0CC (no Magenta or Green spikes)
h. wherein a color rendering index of the first LEDs and the second LEDs is greater than 90;	The Accused Products have a color rendering index (CRI) greater than 95. All Quasar products have a CRI of 95+ with 0CC (no Magenta or Green spikes)
i. wherein the light emitted from the LED light system is at least 1000 lumens when the first LEDs are lit and is also at least 1000 lumens when the second LEDs are lit;	The Accused Products use LEDs that produce 90+ lumens per watt. As an example, the 25W Q25W3056SG light produces at least 2250 lumens while the larger Accused Products produce even more.
j. wherein the first and second LEDs are phosphor-based emitters; and	In the Accused Products, the LEDs are phosphor-based light emitters. 
k. wherein a power supply provides at least 20 watts and the LED driver circuit is configured to selectively drive the first LEDs with at least 20 watts and the second LEDs with at least 20 watts.	The Accused Products have a power supply that provides at least 25 watts of power. The wattage of the Accused Products is listed in their SKUs (e.g., the Q <u>50W</u> 3056S2 is 50 watts). The Accused Products drive the first and second LEDs with at least 25 watts of power.

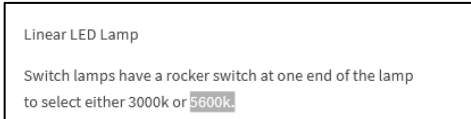
Claim 17	Accused Products
The LED light system of claim 16, wherein the first LEDs are each configured to emit light with a color temperature between 5000 K and 5800 K, and	In the Accused Products, the first set of LEDs are configured to emit light at 5600K. 
the second LEDs are each configured to emit light with a color temperature between 2800 K and 3300 K.	In the Accused Products, the second set of LEDs are configured to emit light at 3000K.

**Exhibit 7 – Patent Infringing Claim Chart for Claims
of U.S. Patent No. 10,566,895 by S-Switch Lights**

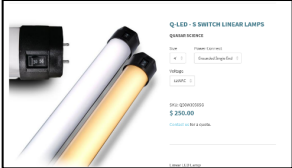
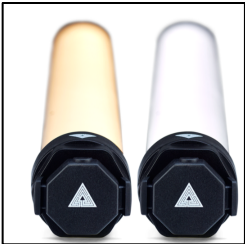
Claim 17	Accused Products
	Linear LED Lamp Switch lamps have a rocker switch at one end of the lamp to select either 3000k or 5600k.
Claim 18	Accused Products
The LED light system of claim 17, wherein the LED light system is provided without a gel or filter.	The Accused Products are not provided with gels or filters. 
Claim 21	Accused Products
The LED light system of claim 16, wherein the housing has a cross-sectional dimension of no greater than about 41 mm.	The housing and cover have a form factor of a fluorescent tube light have with a diameter of about 1.5 inches.  41 mm equals 1.615 inches.
Claim 22	Accused Products
The LED light system of claim 21, further comprising a power supply configured to provide at least 42 watts, and wherein the LED driver is configured to selectively drive the first LEDs with at least 42 watts and the second LEDs with at least 42 watts.	The Accused Products have a power supply that provides 50 watts of power. The wattage of the Accused Products is listed in their SKUs (e.g., the Q50W3056S2 is 50 watts). In the Accused Products, the LED driver provides at least 42 watts to the first or second LEDs. The Accused Products utilize two-way switches enabling selection between cool white LEDs on and warm white LEDs on. 

**Exhibit 7 – Patent Infringing Claim Chart for Claims
of U.S. Patent No. 10,566,895 by S-Switch Lights**

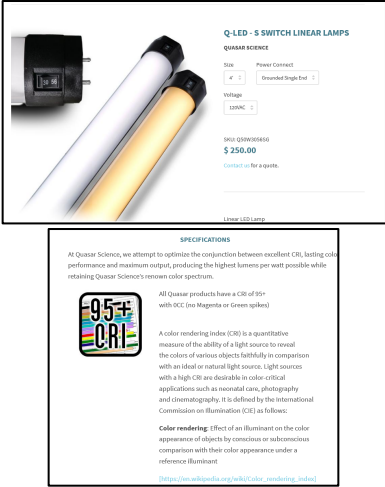
Claim 23	Accused Products
An LED light system configured for providing broad-spectrum white light suitable for a commercial image recording, in a form factor of a fluorescent light tube lamp, the LED light system comprising:	The Accused Products provide broad spectrum white light suitable for commercial image recoding.  The Accused Products have the form of a fluorescent tube.
a. a housing having ends and	The Accused Products have a housing with end caps (red arrow). 
including a support structure in a form of an elongated and narrow surface having a top side and a bottom side;	The Accused Products include a support structure (red arrow) that has a long narrow surface with top and bottom sides. 
b. a plurality of first LEDs mounted on the top side of the support structure and configured to emit broad-spectrum white light in a first predetermined Kelvin temperature range of cool white light;	The Accused Products include a first set of LEDs (red arrows) mounted on the top side of the support structure configured to emit white light in the Kelvin temperature range of cool white.

**Exhibit 7 – Patent Infringing Claim Chart for Claims
of U.S. Patent No. 10,566,895 by S-Switch Lights**

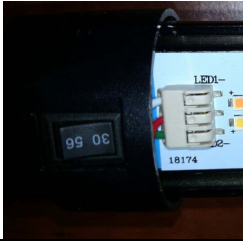
Claim 23	Accused Products
	 Linear LED Lamp Switch lamps have a rocker switch at one end of the lamp to select either 3000k or 5600k.
c. a plurality of second LEDs mounted on the top side of the support structure and configured to emit broad-spectrum white light in a second predetermined Kelvin temperature range of warm white light;	The Accused Products include a second set of LEDs (red arrows) mounted on the top side of the support structure configured to emit white light in the Kelvin temperature range of warm white.  Linear LED Lamp Switch lamps have a rocker switch at one end of the lamp to select either 3000k or 5600k.
d. electronic circuitry mounted to the support structure	The Accused Products include circuitry mounted to the support structure that includes a circuit that provides power to the LEDs. 
[the circuitry] including an LED driver circuit configured for selectively electronically switching between driving either (i) the first LEDs, to provide light while the second LEDs are off; or (ii) the second LEDs, to provide light while the first LEDs are off,	The Accused Products include an LED driver circuit that utilizes two-way switches enabling selection between cool white LEDs on and warm white LEDs on.  The switch in the Accused Products is an electronic switch that completes or breaks

**Exhibit 7 – Patent Infringing Claim Chart for Claims
of U.S. Patent No. 10,566,895 by S-Switch Lights**

Claim 23	Accused Products
	electronic circuits to selectively power the LEDs of the Accused Products. In the Accused Products, the switch electronically toggles from having the first set of LEDs on with the second set of LEDs off to having the second set of LEDs on with the first set of LEDs off.
wherein the first and second predetermined Kelvin temperature ranges are nonoverlapping, and	In the Accused Products, the kelvin temperature ranges of the first and second LEDs are non-overlapping. Linear LED Lamp Switch lamps have a rocker switch at one end of the lamp to select either 3000k or 5600k.
including a printed circuit board mounted to the support structure for carrying electrical power from a connection to the LED driver circuit and then to the first and second LEDs; and	The Accused Products include a printed circuit board mounted to the support structure that connects to the LED driver circuit. 
e. an elongate cover extending substantially a length of the support structure and covering the top side of the support structure for diffusing light emitted by the first and second LEDs; and	The Accused Products include a cover (red arrow) that extends substantially the length of the support structure and covers the top side of the support structure.  The covers diffuse the light emitted by the LEDs on the support structure.
f. wherein a color rendering index of light emitted from the first LEDs and from the second LEDs is greater than 90 and	The Accused Products have a color rendering index (CRI) greater than 95. All Quasar products have a CRI of 95+ with 0CC (no Magenta or Green spikes)
the light emitted from the first LEDs and from the second LEDs is broad-spectrum white light having a color deviation corresponding to less than five points of green	The light emitted from the Accused Products is broad spectrum white light with no green or magenta spikes (0CC).

**Exhibit 7 – Patent Infringing Claim Chart for Claims
of U.S. Patent No. 10,566,895 by S-Switch Lights**

Claim 23	Accused Products
and less than five points of magenta (5M, 5G) of color compensation (CC);	All Quasar products have a CRI of 95+ with 0CC (no Magenta or Green spikes)
g. wherein the light emitted from the LED light system is at least 1000 lumens when the first LEDs are lit and is also at least 1000 lumens when the second LEDs are lit;	The Accused Products use LEDs that produce 90+ lumens per watt. As an example, the 25W Q25W3056SG light produces at least 2250 lumens while the larger Accused Products produce even more.
h. wherein the first LEDs are each configured to emit light with a color temperature between 5000 K and 5800 K, and	In the Accused Products, the first set of LEDs are configured to emit light at 5600K. Linear LED Lamp Switch lamps have a rocker switch at one end of the lamp to select either 3000k or 5600k.
the second LEDs are each configured to emit light between 2800 K and 3300 K,	In the Accused Products, the second set of LEDs are configured to emit light at 3000K. Linear LED Lamp Switch lamps have a rocker switch at one end of the lamp to select either 3000k or 5600k.
wherein the warm white light is tungsten balanced, and the cool white light is daylight balanced;	The Accused Products produce light that is balanced. SPECIFICATIONS At Quasar Science, we attempt to optimize the conjunction between excellent CRI, lasting color performance and maximum output, producing the highest lumens per watt possible while retaining Quasar Science's renown color spectrum. A color rendering index (CRI) is a quantitative measure of the ability of a light source to reveal the colors of various objects faithfully in comparison with an ideal or natural light source. Light sources with a high CRI are desirable in color-critical applications such as neonatal care, photography and cinematography. It is defined by the International Commission on Illumination (CIE) as follows: Color rendering: Effect of an illuminant on the color appearance of objects by conscious or subconscious comparison with their color appearance under a reference illuminant
i. wherein the housing and cover together have a linear form factor of a fluorescent light tube lamp having a diameter of no greater than approximately 41 mm and a length no longer than about four feet,	The housing and cover have a form factor of a fluorescent tube light have with a diameter of about 1.5 inches.

**Exhibit 7 – Patent Infringing Claim Chart for Claims
of U.S. Patent No. 10,566,895 by S-Switch Lights**

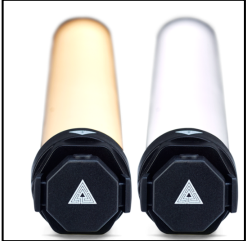
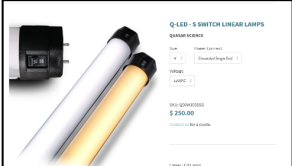
Claim 23	Accused Products
	 41 mm equals 1.615 inches. The Accused Products are no longer than 4 feet.
j. whereby said light is suitable for the commercial image recording when the light emitted from the LED light system is broad-spectrum white light having a color deviation corresponding to less than five points of green and less than five points of magenta (5M, 5G) of color compensation (CC),	The Accused Products produce light with less than five points of magenta or green color compensation. All Quasar products have a CRI of 95+ with 0CC (no Magenta or Green spikes)
[light is suitable for the commercial image recording having] a color rendering index of the light emitted from the first LEDs and each of the second LEDs is greater than 90, and	The Accused Products have a color rendering index (CRI) greater than 95. All Quasar products have a CRI of 95+ with 0CC (no Magenta or Green spikes)
[light is suitable for the commercial image recording when] the light emitted from the LED light system is at least 1000 lumens when the first LEDs are lit and is also at least 1000 lumens when the second LEDs are lit.	The Accused Products use LEDs that produce 90+ lumens per watt. The 25W Q25W3056SG light produces 2250 lumens while the larger Accused Products produce even more.
Claim 24	Accused Products
The LED light system of claim 23, wherein the LED light system is provided without a gel or filter.	The Accused Products are not provided with gels or filters. 
Claim 27	Accused Products
The LED light system of claim 23, wherein the first and second LEDs are phosphor-based light emitters.	In the Accused Products, the LEDs are phosphor-based light emitters.

**Exhibit 7 – Patent Infringing Claim Chart for Claims
of U.S. Patent No. 10,566,895 by S-Switch Lights**

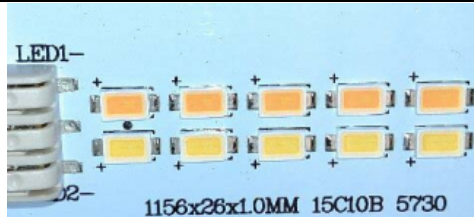
Claim 27	Accused Products
	
Claim 28	Accused Products
The LED light system of claim 23, wherein the light system is about four feet long, and	The Accused Products have a housing with a length of about four feet. LED Lamp Length and Wattage: 4' 50 watt - Q50S 2' 25 watt - Q25S 8' 100 watt - Q100S
further comprises a power supply configured to provide at least 42 watts, and	The Accused Products have a power supply that provides at least 50 watts of power. The wattage of the Accused Products is listed in their SKUs (e.g., the Q50W3056S2 is 50 watts).
wherein the LED driver circuit is configured to selectively drive the first LEDs with at least 42 watts and the second LEDs with at least 42 watts.	In the Accused Products, the LED driver provides at least 42 watts to the first or second LEDs. The Accused Products utilize two-way switches enabling selection between cool white LEDs on and warm white LEDs on. 
Claim 29	Accused Products
The LED light system of claim 23, further comprising a power supply configured to provide at least 42 watts, and	The Accused Products have a power supply that provides at least 50 watts of power. The wattage of the Accused Products is listed in their SKUs (e.g., the Q50W3056S2 is 50 watts).

**Exhibit 7 – Patent Infringing Claim Chart for Claims
of U.S. Patent No. 10,566,895 by S-Switch Lights**

Claim 29	Accused Products
wherein the LED driver circuit is configured to selectively drive the first LEDs with at least 42 watts and the second LEDs with at least 42 watts.	In the Accused Products, the LED driver provides at least 42 watts to the first or second LEDs. The Accused Products utilize two-way switches enabling selection between cool white LEDs on and warm white LEDs on.  A black, rectangular LED driver unit with a two-way switch and two prongs. The switch is a small, square, black component with a white label that reads "30 56". The unit has two prongs on the right side, suggesting it is a plug-in device. The background is white.