

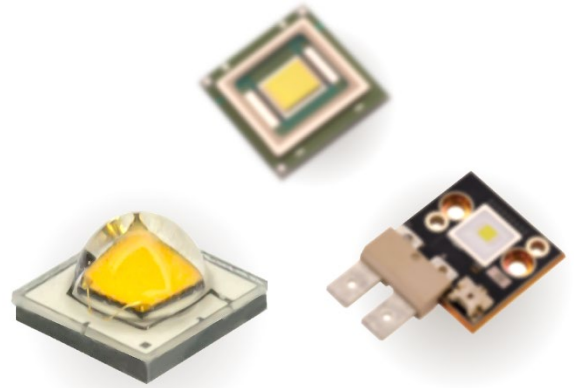
SPECIALTY WHITE LEDS



Luminus Specialty White LEDs range from 1W to over 100W operating power. Whether targeting high efficiency horticulture fixtures, or replacement of high power Xenon / HID lamps, they are ideal for directional applications and offer large operating dynamic range.

APPLICATIONS

- Fiber Illumination:
 - Medical Endoscopy
 - Machine Vision
 - Instrumentation
- Stage Lighting Beams & Spots
- Horticulture Lighting
- Search Lights
- Automotive after-market & tuning
- Architectural Lighting
- Beacons
- Industrial applications



FEATURES

- Product line ranging 1W to over 100W
- Monolithic emitters for best directionality and artifact-free far field
- Selection of surface mount and chip-on-metal PCB packages
- Unlensed versions available for etendue-limited, hyper-directional applications
- Large operating dynamic range
- Select devices available with high CRI option

BENEFITS

- Ideal Solid-State Light source for Xenon lamp replacement up 300W (CBT/CFT series)
- High Brightness Stage color point CFT series allow migration from HID to Solid State for small, narrow beam spotlights
- High brightness monolithic design with no encapsulation ideal for long-throw applications and fiber coupling.
- Integrated Chip-On-Board design for ease of system integration and optimum cooling (CBT/CFT series)
- SST-20/40 series : dynamic range up to 60% higher than comparable industry standard LEDs simplifies upgrade of existing designs

PRODUCT SELECTOR GUIDE

Product Family	Color	Package	Max Drive Current	Optical Output
SST-20-WxS	5000 – 6500 K White, Standard CRI	SMT 3.45 mm x 3.45 mm	3:00 AM	900 - 1100 lm (3 A)
SST-20-WxH	2700 – 4000 K White, 95 CRI	SMT 3.45 mm x 3.45 mm	2:00 AM	155 – 320 lm (700 mA)
SST-40-W	6500 K White, Standard CRI	5050 ceramic	6:00 AM	1,400 - 1,900 lm (5 A)
SST-70X-W	6500 K White, Standard CRI	5050 ceramic	5.25A (@6V)	2500 – 3500 lm (5.25 A)
SBT-90-W	5700 K White, Standard CRI	10 mm x 11 mm SMT	13.5 A	2,100 - 3,200 lm (13.5 A)
SBT-90-W Gen2	5700 - 6000 K White, Standard CRI	10 mm x 11 mm SMT	13.5 A	3,100 - 4,000 lm (13.5 A)
CBT-90-W	5700 - 6500 K White, Standard CRI	28 mm x 27 mm Copper Core Board	18 A	2,500 - 3,600 lm (18 A)
CFT-90-WxS	5700 - 8000 K, Standard CRI	28 mm x 27 mm Copper Core Board	27 A	3,700 - 5,600 lm (22.5 A)
CFT-90-WDH	6000 K 92 CRI	28 mm x 27 mm Copper Core Board	27 A	2,600 – 3,700 lm (22.5 A)