



- **Outstanding Value**, intense white LED light source
- Super bright, powerful light with 50,000 hour¹ expected LED life
- Cool light source; no wasted IR or UV, cuts sample and fiber damage
- Incredibly long life LED source; saves thousands \$\$\$ on bulbs

SugarCUBE™ LITE

High Intensity LED Fiber Optic Illumination

Overview

SugarCUBE™ LITE combines Ushio's superior LED photon engine with a cost effective form factor to deliver superior cost per lumen performance.

SugarCUBE LITE takes a radically different approach to super bright white fiber optic illuminators. For applications that require maximum lumen density, SugarCUBE LITE unites photonic lattice LED technology with a powerful, yet extremely stable, high current drive circuit. The result is an unmatched photon engine with extra power available to be harnessed for a wide range of applications.

The powerful photon engine is then wrapped in a user friendly yet cost effective package bringing highly efficient and environmentally friendly LED technology within reach of the most budget minded consumer.

Cool LED light cuts the hidden cost and downtime from damaged samples, specimens, fibers, and light guides.² But be warned – our engines emit intense white light at their maximum settings – make sure to use a light pipe that can fully harness the power.



Ushio's SugarCUBE LITE offers unmatched light stability <0.5% for mission critical applications.

SugarCUBE LITE dramatically cuts the cost of ownership. It's solid state design ensures years of trouble-free operation. The LED life is equivalent to approximately 300 tungsten halogen bulbs making SugarCUBE LITE an environmentally responsible choice.

SugarCUBE LITE comes in bright white only. Other colors are available in the standard SugarCUBE model.

Powered by:



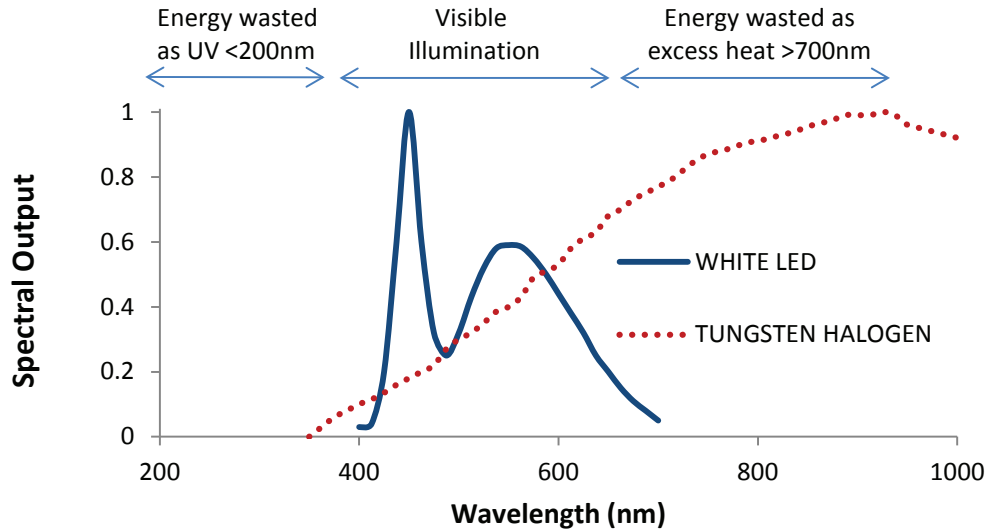
“How much does ‘Downtime’ cost you? Can you afford not to have LED illumination?”

1. >70% lumen maintenance
2. Light energy is very high, damage may still occur under certain conditions

SPECIFICATIONS

SugarCUBE LITE™ Technical Specifications		
Light Output ³ , White	2135 lm	6.5 W, 6500k / CRI >70
LED Life		50,000 hours
Operating Conditions		10-40C, 30%-95% RH non-condensing

Electrical and Mechanical Specifications	
Power Input	100 - 240V @ 2 – 5A, 50/60 Hz
Enclosure	All metal ventilated housing
Mounting / Weight	Benchtop mount; 7.1 lbs / 3.2 kg
Dimensions (WHD)	16.3x20x20 cm; 6.4x8x8 inches



Compared to LED sources, ~75% of output from tungsten halogen lamps is wasted as heat and UV.

Features:

- SugarCUBE LITE is a complete system with photon engine, drivers, and power supply
- Cool LED light reduces melting and burn out of valuable fiber bundles²
- A complete set of accessories is available: liquid light guide adapters, fiber adapters, and mounting kits
- Dual remote interfaces: remote on/off and remote programmable RS232 interface
- Solid state, no hassle implementation, safety certified, universal power input

2. Light energy is very high, damage may still occur under certain conditions
 3. Light output is for the LED, collected illumination may be different

All specifications subject to change without notice.

Designed and tested in accordance with ANSI/UL 61010-1, Can/CSA C22.2 Number 61010-1, CenELEC EN 61326-1:2006 and FCC Part15 Subpart B, Class B.

Complies with Risk Group 1 – Low Risk Category IEC 62471 Photobiological Safety of Lamp Systems Tables 5.4 and 5.5.



Quality Mgmt
 System Registered
 ISO13485:2016
 SAI Global

