ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Spectral Products ASB-W-020* at our website: *Click HERE*

ASB-W-020

High Stability Tungsten-Halogen Fiber Light Source

- *Offers excellent color temperature stability.*
- *Provides illumination for applications through optical fiber.*
- *Focus adjustable light source SMA and fiber bundle adaptor.*
- *Features built in current regulation.*



Optimum Illumination for Your Fiber Optic Needs

The ASB-W-020 is a complete light source assembly with a tungsten-halogen lamp that emits in the 300 to 2500 nanometer (nm) wavelength region. It has been designed to transfer the maximum possible illumination to a variety of fibers. The tungsten-halogen lamp of the ASB-W-020 is a near blackbody source of light with a built-in fused silica lens that focuses the light to the fiber. Figure 1 shows blackbody spectral distributions at various color temperatures in Kelvin (K). The ASB-W-020 spectral distributions resemble those of Figure 1 out to about 2500nm, beyond which the transmission of the fused silica lens limits the output.

In addition to the 20 Watt tungsten-halogen lamp (SP # ASB-W-020B), the ASB-W-020 features a lamp housing and a current regulator to assure a stable output. The housing contains an adjustable lamp mount. A variety of flanges allow the mounting of different fiber terminations, from a single fiber to bundles.

The 20 Watt tungsten-halogen lamp used in the ASB-W-020 has a nominal color temperature of 3100 K and the regulated power input assures an average life of 2000 hours.

The power supply provided with the ASB-W-020 is a wall plug-in type.

revised 6/03

Copyright © 2003 Spectral LLC www.spectralproducts.com Toll Free 1-877-208-0245 sales@spectralproducts.com

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

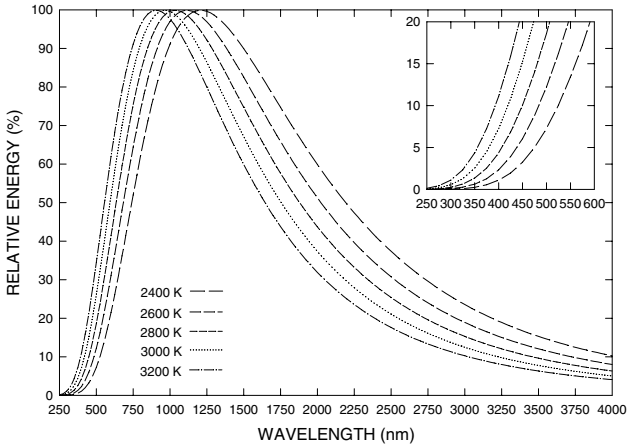


Figure 1. Spectral distribution of light emitted by blackbodies at various color temperatures indicated in Kelvin (K)

Specifications:

Lamp: Tungsten-halogen

Power: Wall transformer, 120 VAC, 50/60 Hz to 24 VDC at 2.0 amps. 220 VAC version available

Current Regulation: Built-in, ± 0.4%

Color Temperature: 3100°K

Bulb Life: 2,000 hrs. average (nominal)

Spectral Distribution: Near blackbody (see Figure 1)

Housing: Aluminum, forced air cooled, Limited focus adjustment

Connector: SMA Fiber connector

Options:

Spare lamp ASB-W-020B
Mounting flange for 10mm fiber bundle
Optical bench mounts
Specify FC, ST or CS for specific fiber couplers.

Warranty: One year

Ordering Information: Please indicate product number plus description when ordering.

ASB-W-020 Visible Source Assembly
ASB-W-020B Spare Lamp, 20 Watt Tungsten-halogen

revised 6/03

Copyright © 2003 Spectral LLC www.spectralproducts.com Toll Free 1-877-208-0245 sales@spectralproducts.com

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP