



Innovative Photonic Solutions

2900

Core Vision UnitTM

DC Regulated Fiberoptic Lightsource

KEY FEATURES

- **Fiberoptic Lightsource**
- **DC Regulation**
- **Economical**
- **Auto-Switching (100-240VAC)**
- **Over Current Protection**
- **Soft-Start Lamp Saver**
- **CE Certified**

APPLICATIONS

- **Machine Vision**
- **Scientific Imaging**
- **Low Cost Vision Sensors**
- **Line Scanning Systems**
- **Digital Microscopy**
- **Video Based Systems**
- **Biotechnology**



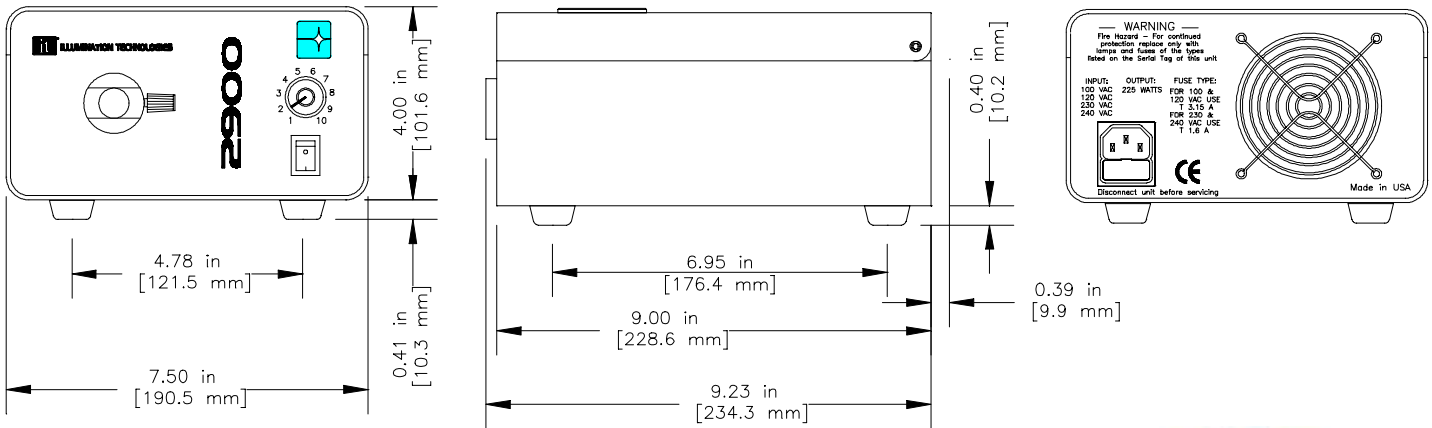
DC Regulated Stability

The economical **Core Vision Unit** features a universal DC Regulation scheme which provides a stable light output intensity, eliminating output fluctuations caused by alternating current or changes in line voltage. An absolute must for delivering stable performance for video applications and CCD or CMOS sensor based systems.

Operational Simplicity

The industry's only auto-switching design makes international operation a breeze. Just plug it into any main power supply around the world and the unit does the rest. The IEC 320 power cable standard accepts all international cords for flawless operation wherever your final product or system ships. The fully adjustable photonic output provides intensity over the entire range of the 150W Tungsten Halogen lamp. A truly low maintenance design with internal over current protection protects against faulty lamps or short circuit. The **Core Vision Unit** accepts all our standard accessories including color filters, lamp options, and the entire line of standard and custom fiberoptic light delivery components.

Detail Drawing



DXF file Available



Technical Specifications

Physical

Height: 4.50" (115mm)
 Width: 7.50" (190mm)
 Length: 9.00" (230mm)
 Weight: 5.0lbs (2.3kg)

Output Stability

Regulation: 0.1% (Photometric)
 Noise: 0.1% (Photometric)

Control

Manual: Front Panel Pot

Electrical

Input: 100-240 VAC
 50/60Hz
 Input Power: 100/120V 165VA
 220/240V 145VA
 Inrush Current: 100/120V 1.9A
 220/240V 1.0A
 Overvoltage: Category II

Regulation Scheme

Variable Output
 Switching DC Regulator

Protection

Soft Start Lamp Saver Circuit
 Over Current Shutdown Circuit

Environmental

Temperature: 0 to 40C
 Relative Humidity: 0 to 95%
 Altitude Rating: 2000m (max)
 Pollution Rating: Pollution Degree 2

Lamps

Visible: EKE (Ushio)
 High Color: EKE-HC (Ushio)
 Extended Range: EKE-ER (IT)
 NIR: EKE-IR (IT)

Proudly Distributed By:



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