



# ILT490

## Profiling Belt Radiometer

The NEW ILT490 incorporates the measurement capabilities and exceptional performance criteria of the original IL390 and IL290 UV Curing Light Bug, with the improved features of the ILT400, including profiling, graphing, cost reduction, rechargeable batteries and A400 charger.

The ILT490 works with many lamp options from Iron doped, H and D type lamps, as well as standard UV sources.

The ILT490 all in one Belt radiometer, comes in two versions: the ILT490 broadband UV for 250-400 nm, and the ILT490C UVC for 205-345 nm. (see graph below) Special "O" software is available for low light level applications for 1 mW/cm<sup>2</sup> to 2.5 W/cm<sup>2</sup> with profiling at 10 mW/cm<sup>2</sup> available at no additional cost.

*The best just keeps getting better*

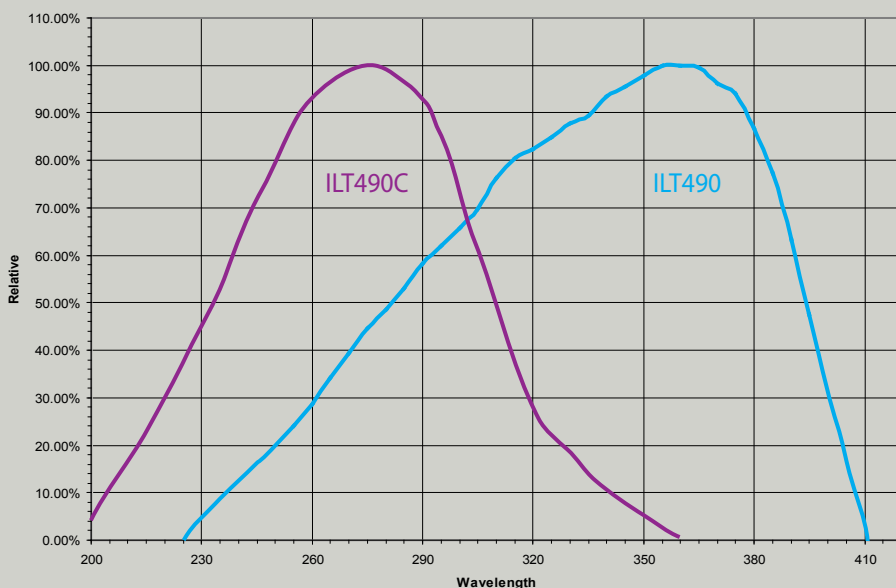
### SPECIFICATIONS

- Dose Range:** 1 mJ – 20 J/cm<sup>2</sup>
- Temperature Range:** 10° – 50° C (case temperature)
- Irradiance Range:** 10 mW/cm<sup>2</sup> – 20 W/cm<sup>2</sup>
- Accuracy:** Typically better than 6%
- Cosine Receptor:** Integrating sphere
- Display:** 4 significant digits
- Display Graphics:** Resolves 5% of full scale (peak irradiance)
- Size:** 12.7 x 111 x 161 mm (0.5" x 4.4" x 6.3")

### FEATURES & BENEFITS

- ◆ NIST-traceable calibration
- ◆ Measurement spectrum matches industry standard IL390 (ILT490) & IL290 (ILT490C)
- ◆ Built-in re-chargeable batteries (includes A400 charger)
- ◆ Integrated exposure (J/cm<sup>2</sup>)
- ◆ Peak Irradiance (W/cm<sup>2</sup>)
- ◆ Intensity profiling with auto-scale
- ◆ Baseline profile memory
- ◆ Current - Baseline % Difference

### SPECTRAL CURVES



**InternationalLight**  
TECHNOLOGIES

NIST Traceable Light Measurement Systems

10 Technology Drive  
Peabody, MA 01960  
978-818-6180  
978-818-6181/fax  
intl-lighttech.com