

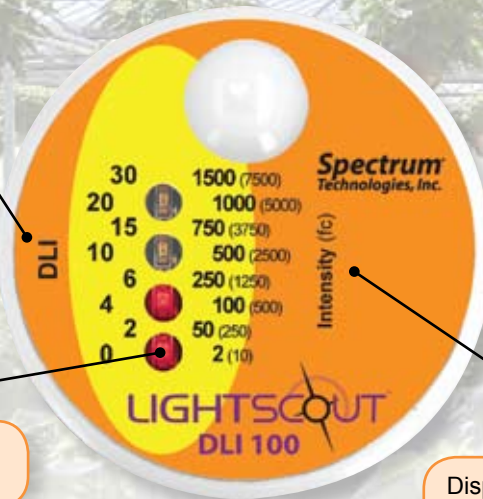
# Light is the Energy for Plant Growth

## LIGHTSCOUT<sup>®</sup> DLI 100 Light Meter

Displays DLI after 24 hours

Why is Daily Light Integral (DLI) important? DLI is directly correlated with plant quality, and a minimum amount of light is required for marketable plants. DLI measures light the way the plants experience it.

LED lights show current intensity and 24 hour DLI values



Actual Size

Simple, one button operation

Displays light intensity levels every 10 seconds for 24 hours



Sold in sets of three (3). Position the meters throughout your greenhouse (or in different crops) and outside the greenhouse, too. Compare differences in light levels and the effect on plant growth and quality.

Item 3405 LightScout DLI 100 Meter (set of 3)

- ▶ An affordable, first step in measuring light
- ▶ With a push of the button, the meter runs for 24 hours and calculates your Daily Light Integral (DLI)
- ▶ Real-time intensity levels are shown every 10 seconds in  $\mu\text{mol}/\text{m}^2\text{s}$  (or footcandles)
- ▶ Packaged in sets of 3 light meters
- ▶ Battery included; water resistant

### GENERALIZED PLANT RESPONSES TO DIFFERENT LIGHT LEVELS

Relative Light Level	DLI - Daily Light Integral	Light Intensity* at Noon (500 to 1,000 fc)	Generalized Plant Growth Response
Very Low	2 to 5	100 to 200 (500 to 1,000 fc)	Poor quality
Low	5 to 10	200 to 400 (1,000 to 2,000 fc)	Minimum acceptable quality
Medium	10 to 20	400 to 800 (2,000 to 4,000 fc)	Good quality
High	20 to 30	800 to 1,200 (4,000 to 6,000 fc)	Excellent quality
Very High (outdoors)	30 to 60	1,200 to 2,000 (6,000 to 10,000 fc)	Excellent quality

\* Micromoles ( $\mu\text{mol}/\text{m}^2\text{s}$ )  
fc = foot candles

Note: It is not possible to make a direct conversion between an instantaneous light measurement and the Daily Light Integral. Also, temperature is a key factor in plant quality and growth. Source: Hamrick, Debbie, ed. *Ball Red Book*. Batavia, IL: Ball Publishing, 2003.

**Spectrum<sup>®</sup>**  
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"To Measure Is To Know"

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