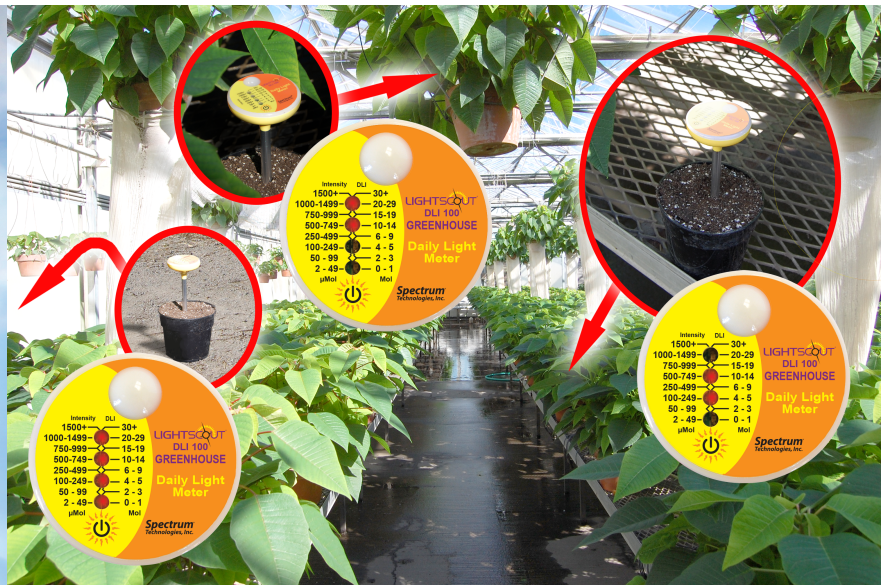


LIGHTSCOUT[®]

DLI 100

Greenhouse

Daily Light Meter



Use multiple DLI 100s to simultaneously compare light levels and the effect plant growth and quality.

Relative Light Level	Daily Light Integral (DLI) mol·m ⁻² ·d ⁻¹	Light intensity at Noon μmol·m ⁻² ·s ⁻¹	Generalized Plant Growth Quality
Very Low	2 to 5	100 to 200	Poor
Low	5 to 10	200 to 400	Minimum acceptable
Medium	10 to 20	400 to 800	Good
High	20 to 30	800 to 1,200	Excellent
Very high	30 to 60	1,200 to 2000	Excellent

Foot candle meters measure light the way people see it. But your plants see photosynthetically active radiation: PAR light. Measure it with the DLI100 Daily Light Meter.

If photons were raindrops, light meters would show the intensity of a rainstorm. A five-minute rainstorm may look impressive, but often provides less water than an all-day drizzle. As cumulative rainfall is measured with a rain gauge, the cumulative quantity of light is measured using the DLI 100, or a light sensor with a data logger. The daily total of quantum light is called the Daily Light Integral, or DLI, and is measured in units of mol·m⁻²·d⁻¹ (commonly, moles/day). DLI quantifies the light available to plants to perform photosynthesis.

On a sunny winter day in the middle latitudes, a plant receives about 9 moles/day. If it is cloudy, the DLI drops to 3 moles/day. In the summer, the DLI for a sunny day is about 26 moles/day and 12 moles/day for a cloudy day.

Each type of plant has a different DLI range for optimal growth. DLI is directly correlated with plant quality, and a minimum amount of light is required for marketable plants.

Uses 3 LR44/A76 Batteries (included)
Engineered in the USA, Made in China

Accurately measure the light
"falling" on your plants!

TWO METERS IN ONE!

Continuously displays light intensity (μmol)
Sums light for 24 hours (mol)

Spectrum[®]
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