



PLU5



LED portable light unit

A lightweight, white LED light unit for use with the *LCi* and *LCi-SD* Ultra compact photosynthesis systems



- + Controllable up to 2,000 $\mu\text{mol m}^{-2} \text{s}^{-1}$
- + White LED light
- + Powered by *LCi* console
- + Weighs only 125g

LCi-SD the Ultra compact photosynthesis system

Weighing only 2kg the *LCi-SD* is the most portable and easy to use portable photosynthesis system ever. Featuring a highly accurate, miniaturised infrared gas analyser housed inside the leaf chamber head, it is the ideal choice for researchers wanting to perform fast ambient field screening.

Compact and lightweight LED light unit

ADC BioScientific has now introduced a new detachable, compact and lightweight LED light unit that allows researchers to control the PAR levels within the *LCi* leaf chamber.

The PLU5 consists of a compact white LED unit and a small control unit. The detachable light unit slides and locks into position on the top jaw of the leaf chamber. The control box can be connected to an external DC source or directly to and powered by the *LCi-SD* console.

A PAR sensor holder ensures that accurate, actual light concentrations within the leaf chamber are recorded.

The PLU5 is compatible with both *LCi-SD* broad leaf chambers and *LCi* broad leaf chambers, manufactured by ADC, since July 2001.

Control up to 2,000 $\mu\text{mol m}^{-2} \text{s}^{-1}$

The PLU5 light unit can supply up to 2,000 $\mu\text{mol m}^{-2} \text{s}^{-1}$, with an even distribution across the whole leaf chamber area. Light levels can be set within the leaf chamber, using the two adjustable coarse and fine dials on the control unit. The use of white LEDs means that the light spectral quality is maintained over the whole of the PAR range.



The PLU5 can be used to maintain a single constant light concentration within the leaf chamber or be used to generate data for rudimental A/Q (light response) curves.

Specifications

- PAR at leaf plane:** Up to 2,000 $\mu\text{mol m}^{-2} \text{s}^{-1}$.
Light levels set using a 10 step coarse switch and a fine adjustment control
- Power requirement:** 10.4V to 14V. Direct from *LCi* console battery or an external DC power source.

| | | |
|--------------------|-----------------------|---------------------|
| | LED light unit | Control unit |
| Weight: | 125g | 245g |
| Dimensions: | 50x55x60mm | 145x30x85mm |

ADC BioScientific Ltd.
Global House
Geddings Road
Hoddesdon, Herts.
EN11 0NT
Tel: +44 (0)1992 464527
Fax: +44 (0)1992 444245
sales@adc.co.uk
www.adc.co.uk