



# 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  $\mu\text{mols m}^{-2} \text{s}^{-1}$

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 photosynthesis system available. 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 have developed this detachable light unit (the PLU5) to allow 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 $\mu\text{mols m}^{-2} \text{s}^{-1}$

The PLU5 light unit can supply up to 2,000  $\mu\text{mols m}^{-2} \text{s}^{-1}$ , 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  $\mu\text{mols m}^{-2} \text{s}^{-1}$ .

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

**Weight:** 125g  
**Dimensions:** 50x55x60mm

#### Control unit

245g  
145x30x85mm



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