Accessories

pE-4000
Options

Optional accessories for
extended functionality
and control.

CoolLED
Simply Better Control

*p*E-Expansion Box

The *p*E-Expansion Box extends the control-options of the *p*E-4000 allowing it to receive and accept TTL and analogue signals. In its simplest mode it can accept a USB input to turn on individual LED's and generate a global TTL out to trigger peripherals synchronously (e.g. Cameras) or activate individual TTL signal output in synchrony with specific LEDs.

The *p*E-Expansion Box also enables the *p*E-4000 to receive TTL inputs for each LED channel and also to generate up to 8 TTL out signals (software dependent). The additional TTL channels can be used to trigger other illumination systems such as the *p*E-100^{wht} (on the transmitted light port) or allow TTL-enabled peripherals (e.g. perfusion pumps) to be triggered independently of an imaging protocol (software dependent). The analogue in/out control enables complex illumination protocols to be implemented. For example, altering the LED intensity during time lapse experiments or through Z-stacks.

Filter Slide Holders

The *p*E-4000 can accept 4 x standard 25mm excitation filter holders (one per channel) internally, which enables the user to restrict the bandwidth of the chosen LED and maintain total control over the Light Source. This will allow discrete imaging parameters to be chosen without the time-lag associated with traditional filter wheels.

Interchangeable Fiber or Liquid Light Guide Module

The *p*E-4000 light output can be configured with liquid light guide or fiber output. These interface modules are interchangeable by the end user. This means the *p*E-4000 is indeed the "true" Universal Light Source.

To Order

pE-4000-EB25D	Rear-mounted Expansion Box, fits to a 25-pin D-type connection
pE-4000-EFH-4	Excitation filter holder for pE-4000 (4 off)
pE-4000-F-MODULE	Interchangeable Fiber Module
pE-4000-L-MODULE	Interchangeable Liquid Light Guide Module
Warranty:	System = 12 months, LEDs = 36 months

Dimensions

pE-Expansion Box:	151mm(w) x 29mm(d) x 95mm(h) – Weight 0.34kg
Filter Silde Holder (x1):	28mm(w) x 37mm(d) x 6mm(h) – Weight 0.032kg
Interchangeable Fiber Module:	36mm(w) x 48mm(d) x 36mm(h) – Weight 0.068kg
Interchangeable Liquid Light Guide Module:	36mm(w) x 56mm(d) x 36mm(h) – Weight 0.075kg

Environment & Safety

LED products are more sustainable and energy efficient than conventional illuminators. CoolLED's products have the following benefits:

• Mercury-free
• Energy efficient: 80% less power
• Long lifetime (typically 25,000 operating hours)
• No bulb replacements
• Reduced risk of eye damage
• Quiet operation
• No special disposal regulations

CE

For more information on how CoolLED products can help you, contact us now:
t: **+44 (0)1264 323040** (Worldwide)   **1-800-877-0128** (USA/Canada)
w: **www.CoolLED.com**
e: **info@CoolLED.com**

CoolLED
Simply Better Control

bsi. ISO 9001:2015 Quality Management