

Accessories

pE-Combiner and
pE-Dual Adapt



CoolLED offers a range of accessories which enhance the functionality of your illumination systems by allowing the user to combine multiple light sources.

CoolLED
Simply Better Control



www.CoolLED.com

pE-Combiner



Specification

The pE-Combiner is used to combine two CoolLED illumination systems into a single optical path. Where desired, a number of pE-Combiners can be used to support multiple systems on a microscope. An appropriate dichroic mirror to combine the optical channels is selected to match the LED wavelengths in the illumination systems.

Depending on application, the pE-Combiner can be specified with or without excitation filter holders. Excitation filters are used to eliminate unwanted excitation wavelengths which could cause sample bleaching or unwanted background in an image. These holders accept standard 25mm diameter filters.

Applications

With two triggerable wavelengths, the pE-Combiner is perfect for use in fast imaging applications such as channel and halo-rhodopsin for optogenetics. Other CoolLED products can be combined as well as pE-100s. Alternative light delivery methods can be specified for the pE-Combiner.

To Order

244-94-XXX-XXX-YYY: pE-Combiner for two pE-100s. Includes Dichroic Mirror selected by CoolLED. Includes Adaptor to specified microscope

244-93-XXX-XXX-YYY: pE-Combiner for two pE-100s. Includes Dichroic Mirror selected by CoolLED. Includes Adaptor to specified microscope. Includes Excitation Filter Holders (2)

To specify wavelength (XXX), see LED Wavelengths (<http://www.cooled.com/product-detail/led-wavelengths/>). To specify microscope adaptor (YYY), see Adaptors (<http://www.cooled.com/product-detail/adaptors-2/>).

Warranty: System = 12 months, LEDs = 36 months

Dimensions

pE-Combiner: 81.4mm(w) x 89.9mm(d) x 80.45mm(h).
Weight 0.94kg

pE-Combiner (with ex filters): 86.1mm(w) x 101.8mm(d) x 87.95mm(h).
Weight 1.24kg

pE-Dual Adapt



Specification

The pE-Dual Adapt allows two different illumination systems to be connected physically to the fluorescence port of a microscope at the same time. A manual switch allows the user to select between either light source. This enables users to choose between LED illumination or mercury/metal-halide without having to exchange individual source and re-align them on the microscope.

The in-line port has an additional manual shutter to prevent the white light from a mercury or metal halide illuminator causing interference when the CoolLED LED illumination system is being used.

To Order

244-66-YYY: Dual Adapt - Combines CoolLED + 2nd light source

To specify microscope adaptor (YYY), see Adaptors (<http://www.cooled.com/product-detail/adaptors-2/>)

Warranty: System = 12 months, LEDs = 36 months

Dimensions

pE-Dual Adapt: 100.7mm(w) x 115.5mm(d) x 86.5mm(h).
Weight 1.32kg

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

For more information on how CoolLED products can help you, contact us now:

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