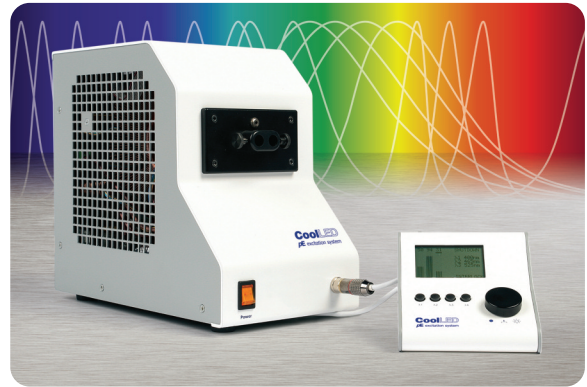


# ▶ PRODUCT DATASHEET

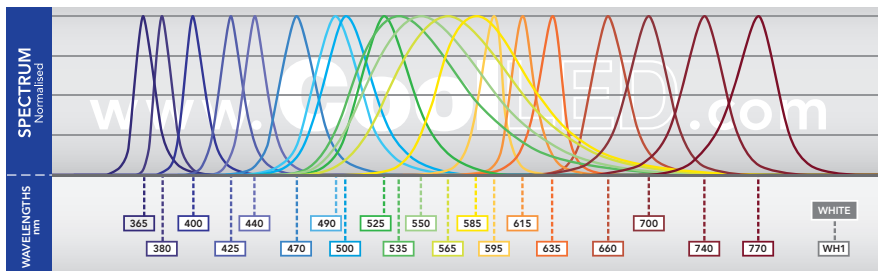
## CoolLED pE-1 & 2 LED excitation for fluorescence

The pE-1 & 2 systems offer multiple LED wavelength illumination for fluorescence excitation. The systems are modular, allowing the user to select the desired wavelengths from CoolLED's extensive range of LED wavelengths (see below). Light is delivered using two liquid light-guides which are combined using a combining collimator when fitted to a microscope. pE-series products will fit most microscopes. An adaptor will be provided for the user's specified microscope.

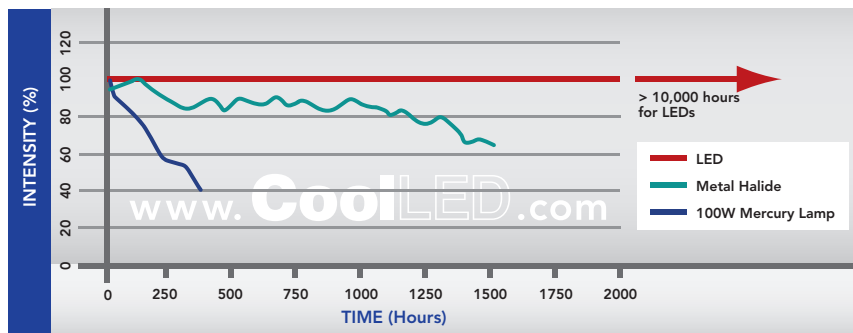


### ▶ WAVELENGTHS

\*New LED wavelengths are continually being developed, visit [www.cooled.com](http://www.cooled.com) for the latest list



### ▶ LED LIFETIME



### ▶ PRODUCT DETAILS

#### Model:

pE-1: 3 wavelengths + standard collimator  
pE-2: 4 wavelengths + advanced collimator

#### Control:

Remote control pod for On/Off & Intensity  
0-100% intensity in 1% steps

Integration under Imaging software  
See [www.cooled.com/Life-Sciences-Analytical/Technical-Information/Imaging-Software/](http://www.cooled.com/Life-Sciences-Analytical/Technical-Information/Imaging-Software/)

USB

Ethernet

BNC (Breakout box required) for TTL trigger

#### Power Consumption:

100W-200W – 4 wavelengths

#### Switching:

<10 milliseconds under USB

<300 microseconds under TTL trigger

#### Homogeneity:

+/- 5% variation

#### Stability:

<0.2% variation over 2 seconds

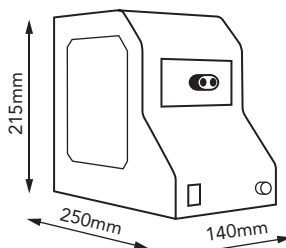
#### Intensity:

<7% reduction in intensity over 10,000 hours of On-time  
(Testing stopped at 10,000 hours)

#### Operation:

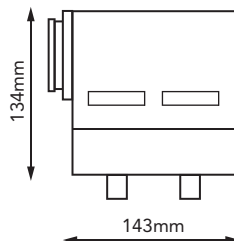
22 dBA spl

### pE-1 / 2



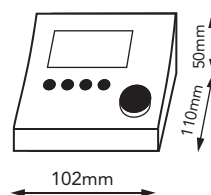
pE-1 Unit: Weight = 5.6kg

### COLLIMATOR



### ▶ DIMENSIONS

### POD



### ▶ TO ORDER

Online: [www.cooled.com/Contact\\_us](http://www.cooled.com/Contact_us)

Phone: +44 (0) 1264 323040 (Worldwide)  
1-800-877-0128 (USA + Canada)

Email: [orders@cooled.com](mailto:orders@cooled.com)

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