High-power LED light source with various wavelengths

**Features**
- Rich lineup of LED heads
- Adjustable light intensity
- Timer function *Option
- Attachable lens units
- Filter holder *Option
- Custom wavelengths
- Long lamp life

**Usage Example**

**Narrow-angle lens**
This lens unit reduces the spread of LED light. You can easily illuminate a sample from the side of a test tube. It is also possible to increase the light intensity by adding LED heads.

**Light guide rod**
You can illuminate a sample in a micro tube via the light guide rod.

**LED lineup**

<table>
<thead>
<tr>
<th>Wavelength (nm)</th>
<th>Relative value (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>350</td>
<td>100</td>
</tr>
<tr>
<td>400</td>
<td>90</td>
</tr>
<tr>
<td>450</td>
<td>80</td>
</tr>
<tr>
<td>500</td>
<td>70</td>
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<tr>
<td>550</td>
<td>60</td>
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<tr>
<td>600</td>
<td>50</td>
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<tr>
<td>650</td>
<td>40</td>
</tr>
<tr>
<td>700</td>
<td>30</td>
</tr>
<tr>
<td>750</td>
<td>20</td>
</tr>
<tr>
<td>800</td>
<td>10</td>
</tr>
<tr>
<td>850</td>
<td>0</td>
</tr>
<tr>
<td>900</td>
<td>10</td>
</tr>
<tr>
<td>950</td>
<td>20</td>
</tr>
<tr>
<td>1000</td>
<td>30</td>
</tr>
</tbody>
</table>
**Configuration**

**Options**

**Timer**

It counts within the range of 99 hours 59 minutes 59 seconds. You can choose countdown mode or countup mode.

- CL-1501 main unit
- Power supply AC adapter
- Instruction manual

**General Specifications**

Model: CL-1501  
Light control method: Digital control 0-100 %  
Output control method: Constant current control  
Number of outputs: 1 channel  
Maximum output current: 350mA, 500mA, 700mA, 900mA  
*Auto-judge according to a connected LED head  
External ON/OFF: External ON/OFF control function*  
Simultaneous control: Daisy chain up to 8 units*  
Supply voltage: Power supply AC adapter  
Input: AC100-240V, 50/60Hz  
Output: 15V 1.2A  
Connector for LED heads: D-sub 9 pin  
Connector for daisy chain: R03-R3F (Trigger OUT), R03-R3M (Trigger IN)  
Recommended environment: Temperature 5 - 35 deg C  
Humidity 20 - 75% *Avoid condensation  
For indoor use only  
Cooling method: Natural cooling  
Dimensions: 141(W) x 98(D) x 53(H)mm  
Weight: 425g  
*Be sure to attach any of lens unit to the LED head.

In IEC 62471 "Photobiological safety of lamps and lamp systems", many of listed LED heads belong to Risk Group 3. Please use this unit carefully according to the instruction manual and the label.

**Dimensions**

**Main unit**

**LED head and Lens**

- CL-H1LCB01
- CL-H1LCB02
- CL-H1GCQ01
- CL-H1MPC1

*Be sure to attach any of lens unit to the LED head.

*Dominant wavelength

Please contact us for details of LED heads and lens units.

*Be sure to attach any of lens unit to the LED head.

*Product specifications are subject to change without notice.

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