High intensity Xe Illuminator System
LX 175/300 Series

This system consists of compact Xe Illuminator of ILC Technology, USA, and the original Xe lamp power supply and the lamp house designed in Japan. The system can provide high performance illumination.

Perkin Elmer/ILC Technologies, LX series illuminator is a compact, high intensity and very long lifetime Xe lamp. The reflection mirror is in shape of parabola, and it can emit a nearly parallel beam through sapphire window. It can be applied in photos, medical, and portable optics.

<table>
<thead>
<tr>
<th>CERMAX XE Illuminator</th>
<th>Parallel : LX125/LX175/LX300/LX500C/LX1000C(Φ-UVカット型, UV-UV強化型) Condense : EX125/EX175/EX300/EX500/EX1000(F, UV)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum intensity</td>
<td>LX175F / LX175UV / LX300F / LX300UV / 350×10⁸ candels / 330×10⁸ candels / 515×10⁸ candels / 460×10⁸ candels</td>
</tr>
<tr>
<td>Total irradiance</td>
<td>25 watts / 25 watts / 50 watts / 50 watts / 25 watts / 3.5 watts / 2.6 watts / 6.6 watts</td>
</tr>
<tr>
<td>UV irradiance (UV=390 nm)</td>
<td>14 watts / 13 watts / 26.6 watts / 26.6 watts / 2500 lumens / 2000 lumens / 5000 lumens / 4500 lumens</td>
</tr>
<tr>
<td>IR irradiance (IR&gt;770 nm)</td>
<td>2200 lumens / 2000 lumens / 5000 lumens / 4500 lumens / 5600°K / 5050°K</td>
</tr>
<tr>
<td>Visible flux (390–770 nm)</td>
<td>14</td>
</tr>
<tr>
<td>Color temperature</td>
<td>Spread angle (0/100/1000hours)</td>
</tr>
<tr>
<td>Rating Lamp input</td>
<td>Rating 175 watts Range 150–200W) / 300 watts Range 180–320W)</td>
</tr>
<tr>
<td>Lamp current (DC)</td>
<td>Rating 14 amps Range 12–16A) / 21 amps Range 10–22A)</td>
</tr>
<tr>
<td>Lamp voltage (DC)</td>
<td>Rating 12.5 volts Range 11–14V) / 14 volts Range 13–16V)</td>
</tr>
<tr>
<td>Arc distance</td>
<td>1.14 mm / 1.24 mm</td>
</tr>
<tr>
<td>Output window size</td>
<td>6.25 mm / 6.25 mm</td>
</tr>
</tbody>
</table>

Average 1000 hours Warranty 500 hours

Peccell Technologies, Inc.

1614 Kurogane-cho, Aoba, Yokohama, 225-8503, Japan
TEL: +81-45-974-5118, FAX: +81-45-974-5657
Xe Illuminator
Stabilized power supply
CX-04E

Input voltage: Single phase AC190V-240V/50/60Hz
Power consumption: MAX400VA (300W output)
Inrush current: Less than 3A
Output stabilizing:
Swinging Regulator constant current

Output current: DC8A-22A variable
Power consumption: MAX300W
Current Stabilty: within 5% (against input 20%)
Current ripple: less than 300 mA (when current 22A)
Size, Weight: W120/H193/D300, 5 kg

Igniter (Equipped with the Lamp house)
Operation Voltage: DC100V – 150V
Output Voltage: Single pulse 15 kV and more
Capable Current: DC22A
Lamp: CERMAX LX175/LX300
Size, Weight: W117/H81/D45, 350 g

Lamp: CERMAX LX175/LX300 (Not available EX Condense type)
Cooling: AC230V Forced Air
Size, Weight: W119/H160/D126, 1.6 kg

Option Accessory
90° reflection mirror unit/Uniform illumination lens unit/
Light guide condensing unit/liquid fiber and some light guides.

Reflection light unit
MR 60 / 90

Light guide condensing unit
LGG 30 / 40P
Reflector geometry and lamp body dimensions for a Cermex lamp (LX300F)