



## Specification For Approval

**Customer:** \_\_\_\_\_

**Description:** LED PIXEL

**Part number:** RL1210-L06WA10-160P

**Date:** 2008-5-11

**Approved By:**

**Prepared By:**

Approval	Check	Design	Sales

EXCEED PERSEVERANCE ELECTRONICS IND CO., LTD

[www.exceedledcn.com](http://www.exceedledcn.com)



**PartNumber: RL1210-L06WA10-160P**

## Features

1. Product Description: LED T9 energy-saving lamp, 0.6m
2. Input Voltage/ Power: AC 220~240V/9.6W
3. Illuminance (h=1m) : 78lux
4. LED Type/Quantity: SMD(1210)/160
5. Size: 605mm×29.5mm (L×D)

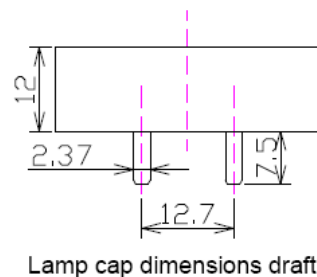
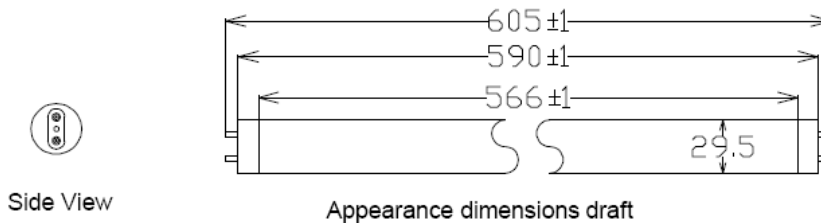
Net Weight: 165g

## ★Package Dimensions

**Unit: mm**



## Exterior Dimensions



Part Number	Lens color	Chip		
		Material	Emitted color	$\lambda$ p(nm)
<b>RL1210-L06WA1 0-160P</b>	<b>Water Clear</b>	<b>InGaN</b>	<b>white</b>	<b>\</b>

**EXCEED PERSEVERANCE ELECTRONICS IND CO., LTD**

**[www.exceedledcn.com](http://www.exceedledcn.com)**



# Light-emitting diode



## **TECHNICAL SPECIFICATION**

**Part Number: RL1210-L06WA10-160P**

### **Absolute Maximum Ratings:**

<b>PARAMETER</b>	<b>RED</b>	<b>UNIT</b>
<b>Power Dissipation Per Don</b>	<b>9.6</b>	<b>w</b>
<b>Continuous Forward Current Per Don(DC)</b>	<b>42</b>	<b>mA</b>
<b>Reverse Voltage Per Don (AC)</b>	<b>230</b>	<b>V</b>
<b>White LED</b>	<b>160</b>	<b>PCS</b>
<b>Opertion Temperature Range</b>	<b>-20°C TO +100°C</b>	
<b>Storage Temperature Range</b>	<b>-40°C TO +100°C</b>	

<b>Parameter</b>	<b>Symbol</b>	<b>MIN.</b>	<b>TYP.</b>	<b>MAX.</b>	<b>UNIT</b>	<b>TEST CONDITION</b>
<b>Forward Voltage</b>	<b>VF</b>	<b>220</b>	<b>230</b>	<b>240</b>	<b>V</b>	<b>If=40mA</b>
<b>Peak Wavelength</b>	<b><math>\lambda_p</math></b>	<b>6000</b>	<b>6500</b>	<b>7000</b>	<b>k</b>	
<b>Reverse Current</b>	<b>IR</b>			<b>40</b>	<b><math>\mu</math> A</b>	<b>VR=5V</b>
<b>Power dissipation</b>	<b>Pd</b>		<b>9.6</b>		<b>W</b>	
<b>Luminous Intensity</b>	<b>IV</b>	<b>430</b>	<b>480</b>	<b>530</b>	<b>Lm</b>	<b>If=40mA</b>
<b>Peak Forward Current</b>	<b>If(Peak)</b>			<b>100</b>	<b>mA</b>	
<b>Recommend Forward Current</b>	<b>If(Rec)</b>		<b>42</b>		<b>mA</b>	

**EXCEED PERSEVERANCE ELECTRONICS IND CO., LTD**

**[www.exceedledcn.com](http://www.exceedledcn.com)**



**EXCEED**

# Light-emitting diode



## Comparisation between LED and Fluorescent Tubes

	LED Economization-lamp 0.6m, 160Leds	Standard Fluorescent Lamp 0.6 m
Power Consumption	9.6W	18W-20W
Illuminance (1m)	78	85
Lifetime	≧ 50,000hrs	≧ 10,000hrs
Ballast	Not necessary	Yes
Starter	Not necessary	Yes
Environmental friendly	Yes comply to RoHS	Mercurial vapor inside, NO RoHS
UV	No UV	UV Radiation
Maintenance	Low, high lifetime	
Special feature	No flashing	
Power saving	Saving over 80%	