









Failure criteria

standard	project	Test conditions	Failure criteria
1	(V _F) Forward voltage (VF)	I _F =25mA	U.S.L*1.1
	IV Light intensity (IV)	I _F =25mA	L.S.L*0.7
	(I _R) Reverse current (IR)	V _R =5V	U.S.L*2.0
2	Welding reliability	/	The proportion of solde 95% he



Packaging (2)

The diagram illustrates the transition from a standard ESD bag to an XINGLIGHT anti-static and moisture-resistant bag. On the left, a standard ESD bag is shown with a label. On the right, an XINGLIGHT bag is shown with a label, a 'CAUTION' warning, and a 'DRY' indicator. A large arrow points from the standard bag to the XINGLIGHT bag.

The diagram illustrates the components and labeling of a XINGLIGHT LED light fixture. The main body is a rectangular light fixture with a black frame and a white diffuser. The top of the fixture features the XINGLIGHT logo and a QR code. The bottom of the fixture has a black base with a barcode and the text "XINGLIGHT".

Labels and Markings:

- Top Left:** A small label with the text "XINGLIGHT" and a QR code.
- Top Right:** A label with the text "XINGLIGHT" and a QR code.
- Bottom Left:** A label with the text "XINGLIGHT" and a QR code.
- Bottom Right:** A label with the text "XINGLIGHT" and a QR code.
- Bottom Center:** A label with the text "XINGLIGHT" and a QR code.
- Bottom Left (Small):** A label with the text "XINGLIGHT" and a QR code.
- Bottom Right (Small):** A label with the text "XINGLIGHT" and a QR code.

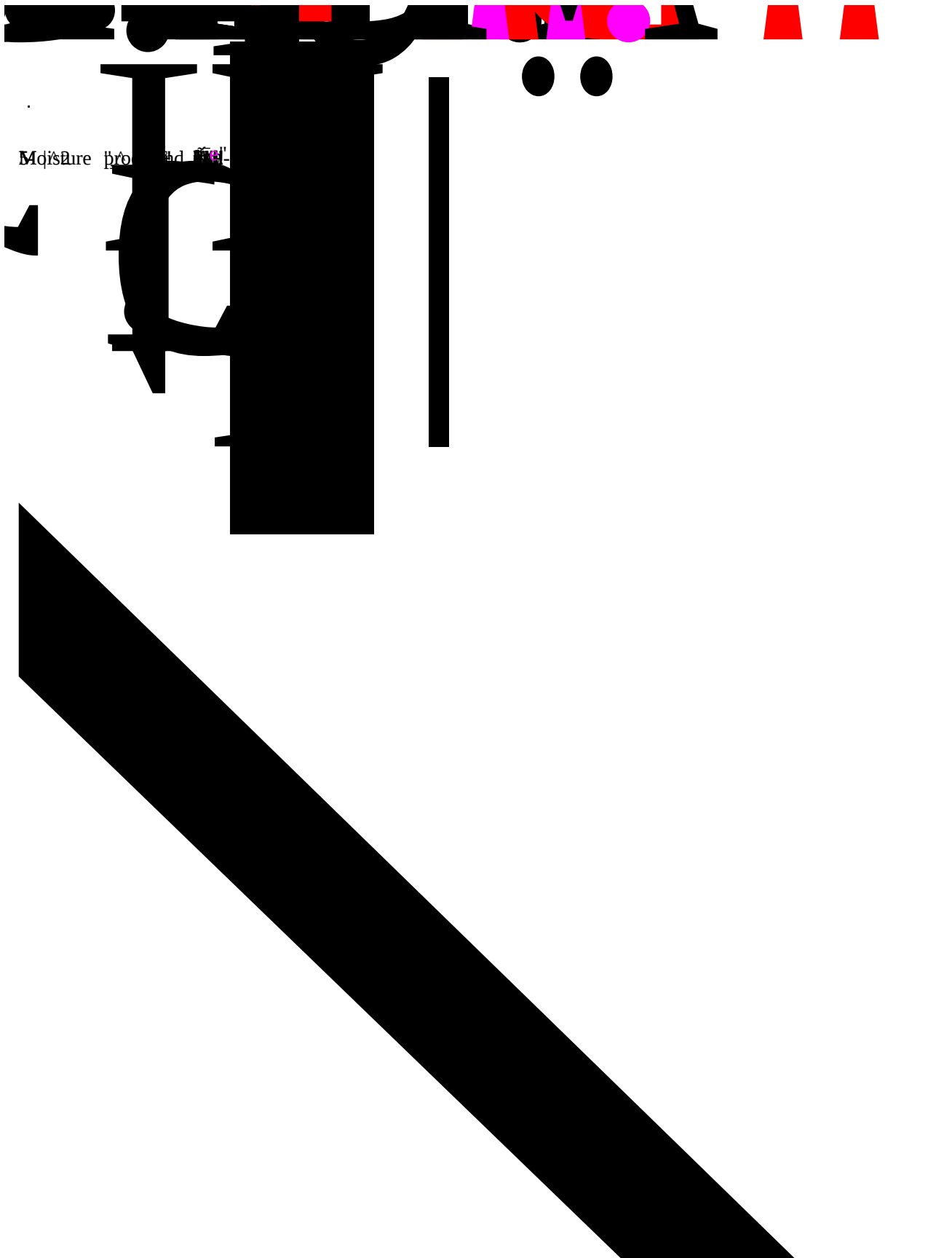
Legend:

- CPN:** 批号/档位 (Batch Number/Grade)
- LOT:** 日期/封装颜色 (Date/Encapsulation Color)

The legend also includes a color-coded key for the LOT label, showing various colors and their corresponding meanings.

使用注意事項 (1)

Precautions (1)



Measure provided for

rt

使用注意事项（2）

Precautions (2)

设计建议

LED

A

LED

B

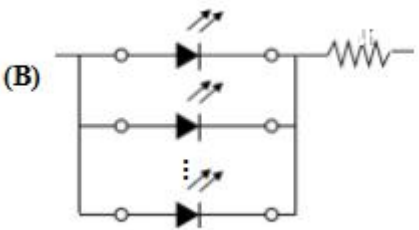
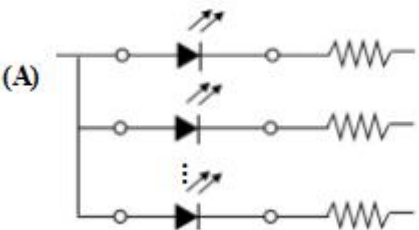
LED

V_F

LED

In designing a circuit, the current through each LED must not exceed the absolute maximum rating specified for each LED. In the meanwhile, resistors for protection should be applied, otherwise slight voltage shift will cause big current change, burn out may happen.

It is recommended to use Circuit A which regulates the current flowing through each LED rather than Circuit B. When driving LEDs with a constant voltage in Circuit B, the current through the LEDs may vary due to the variation in Forward Voltage (V_F) of the LEDs. In the worst case, some LED may be subjected to stresses in excess of the Absolute Maximum Rating.



LED

LED

Thermal Design is paramount importance because heat generation may result in the Characteristics decline, such as brightness decreased, Color changed and so on. Please consider the heat generation of the LEDs when making the system design.

