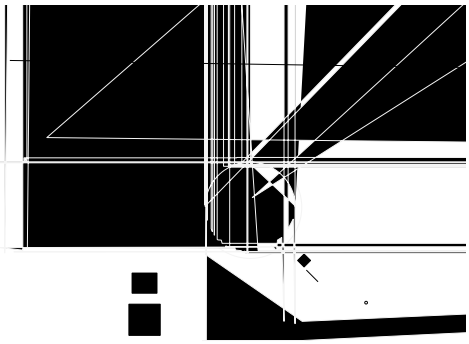
High Power AC LED Module

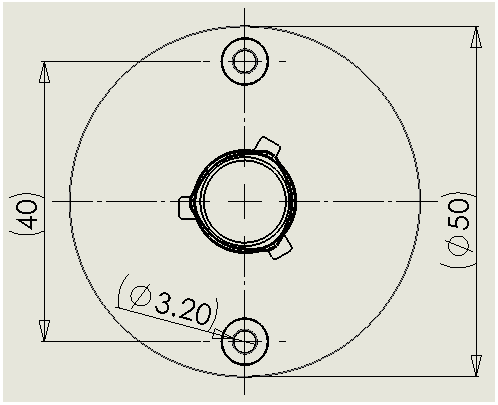
P/ N: HL– LE002F9VW-10B1C30(Ra2)

4.Package Dimensions



Tolerance unless otherwise specified: ±0.3mm.

±0.3



5.Performance

(1) Absolute Maximum Ratings

Parameter	Symbol	Rating Value	Units
Maximum Voltage	V_{OPT}	250	V[RMS]
Power Dissipation	P_D	11	W
Junction Temperature (1)	Tj LED	120	
	Tj-IC	125	
Top of the IC temperature IC	Tp	100	
Operating Temperature Range	Top	-	
Storage Temperature Range	Tstg	-	
ESD Sensitivity	ESD		
Lead Soldering Temperature*	T_{SOL}		

Notes for Table

1 The capacity of heat sink $Tj\text{-}_{IC}<125$

$Tj\text{-}_{IC}=Tp+P_{IC}*R_{IC}$ $P_{IC}=1W$ $R_{IC}=22$ /W Tp surface temperature of IC

$Tj\text{-}_{IC}<125$

$Tj\text{-}_{IC}=Tp+P_{IC}*R_{IC}$ $P_{IC}=1W$ $R_{IC}=22$ /W Tp=IC

(2) All extreme conditions need to be satisfied.

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(2) Electro-Optical Characteristics at Tc=25°C

Tc=25°C

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Operating Voltage *(1)	V_{OPT}	—	200	230	250	V
Power Dissipation	P_D	V_{OPT}=230V/50HZ	9.5	10	10.5	W
Luminous Flux	Φv	TC=3000K	900	980	1070	lm
		TC=5700K	930	1010	1100	
CRI	Ra	V_{OPT}=230V/50HZ	80	—	—	—
Power Factor	PF	V_{OPT}=230V/50HZ	0.95	—	—	—
Tolerance of Surge *(7)	Vs	—	500	—	—	V

Notes for Table

1.Operating Voltage doesn't indicate the maximum voltage which customers use but means

2.Color bins are defined at transient operation

3.The tolerance of measurement at our tester is Φv+/-10% and Ra+/-2.

5.

6.Φv is the total luminous flux output measured with an integrated sphere.

7.Surge is defined as damage that may occur when an electronic device is subjected to a voltage that is beyond the maximum specification limits of the device.
Refer to the note 3 .

3.

8. Base Board 1.0mm ceramic substrate Thermal resistance20 W/ m.K
1.0mm 20W/ m.K

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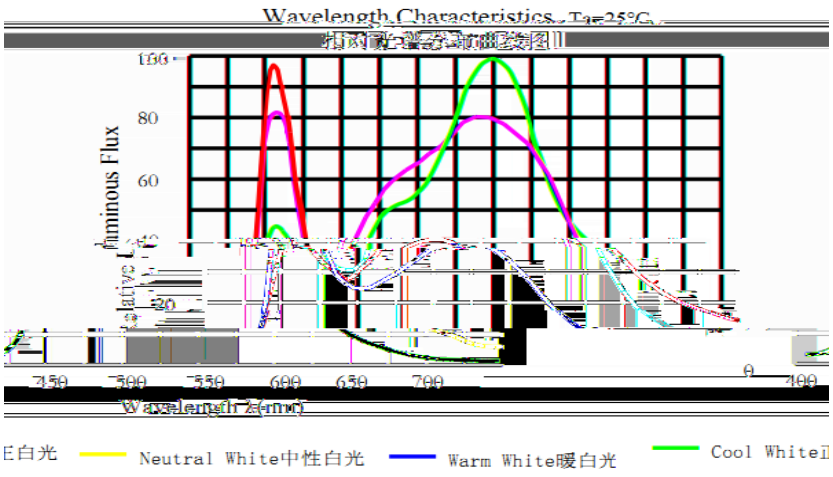
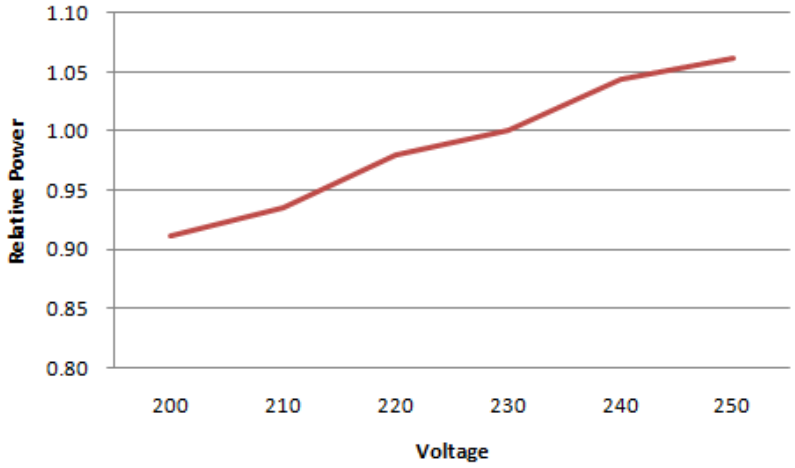
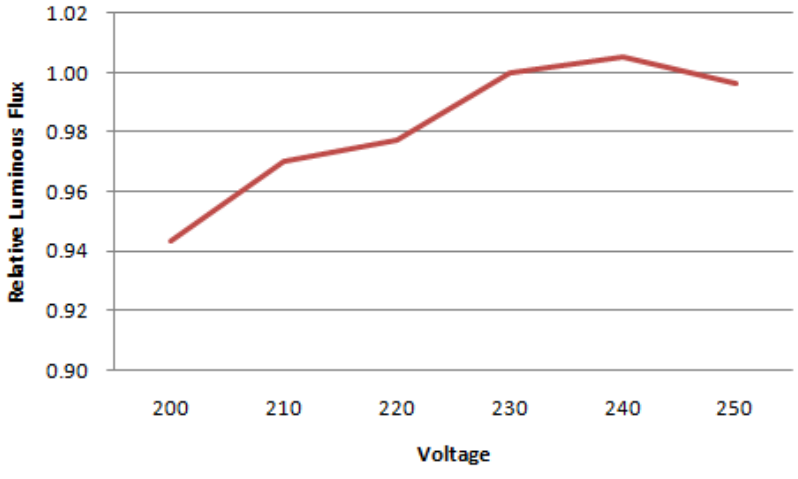
6.Characteristics







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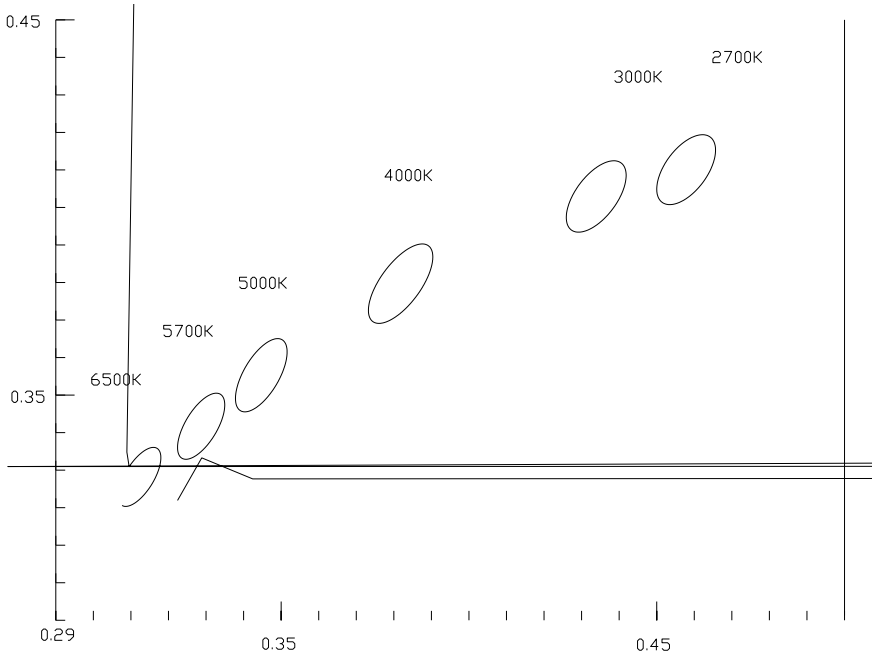
7.Product bins

Chromaticity bins



Notes

1 The chromaticity center refers to ANSI C78.377-2008

bin ANSI C78.377-2008

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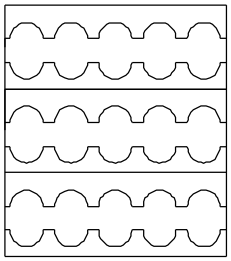
8.Packing Specifications

Label on blister packaging

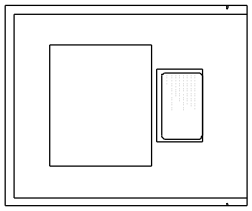
Label on box

ΦV: Luminous Flux rank
TC: Color temperature

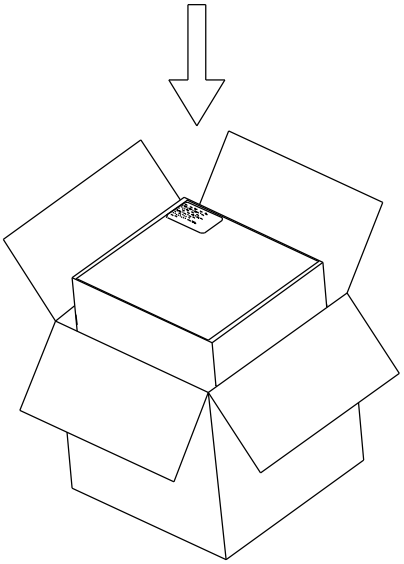
Packing figure



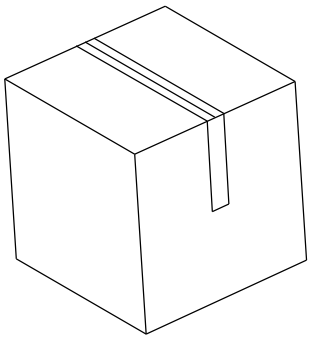
Tray: 15pcs



2Tray/ESD Shieding Bag: 30pcs



3ESD Shieding Bag/Inner Box: 90pcs



4Inner Box/Outer Box:360pcs

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Precautions ( )

1. Storage

■ To avoid moisture, we recommend storage conditions for the unopened LED

ing the package. Please make sure to dehumidify and vacuum pack the remaining/

for the sealed led is one year.

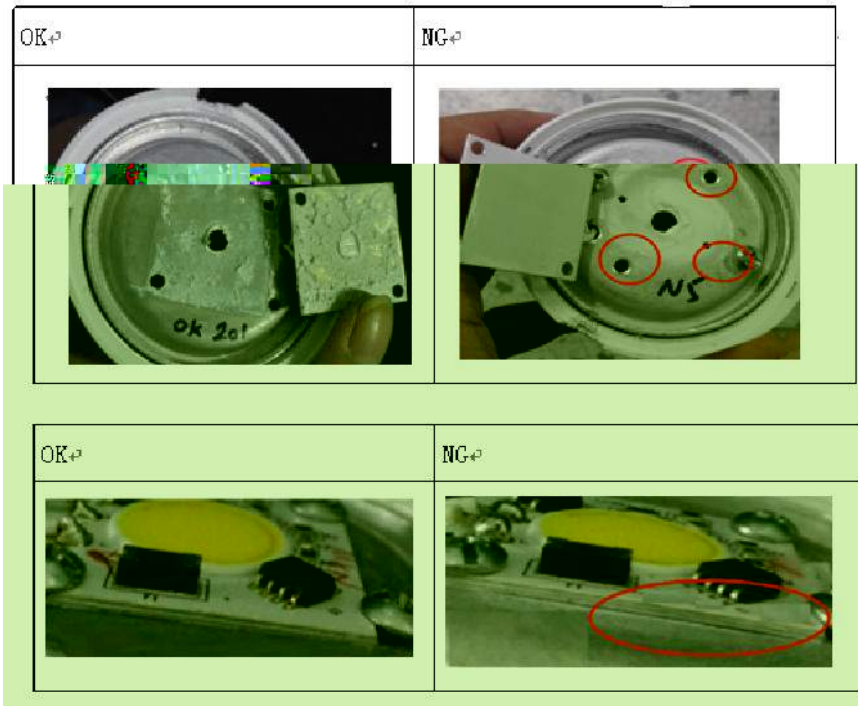
5-

60% LED 168H

4H

2. The soldering precautions

■ During assembly, please ensure that a good quality thermal paste is applied and distributed evenly over the surface. While using thermal pad (Heat Sink), make sure LED is firmly tightened and there is no gap between surfaces.



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