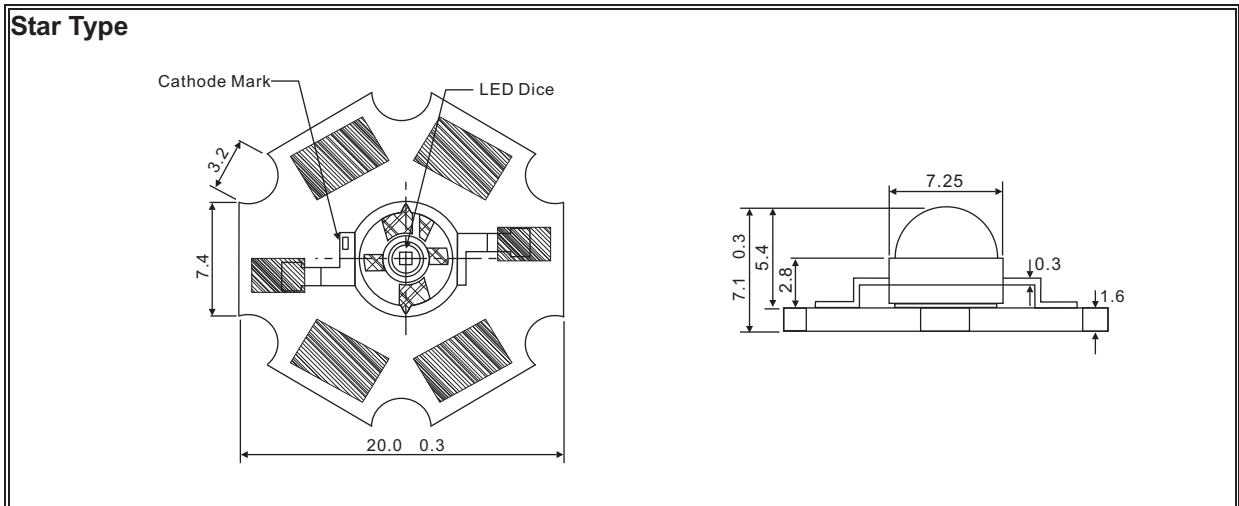
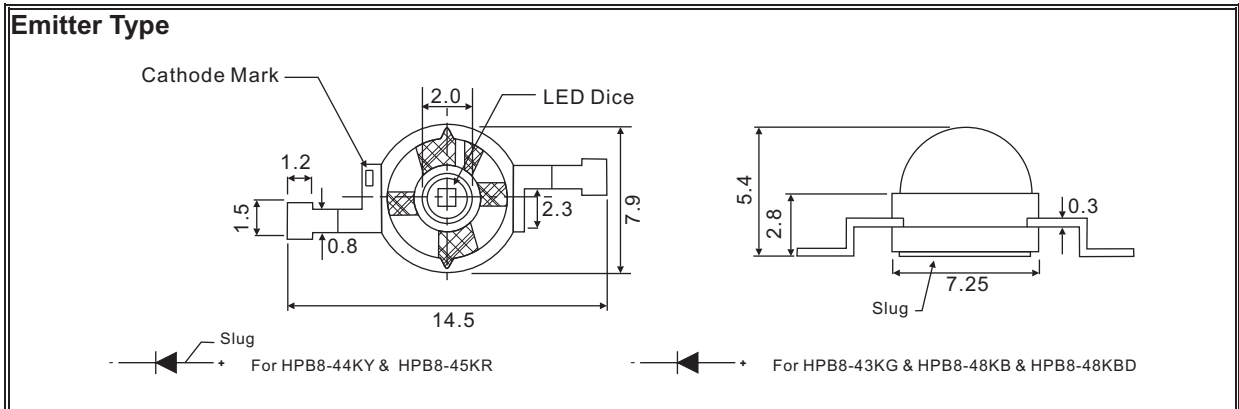
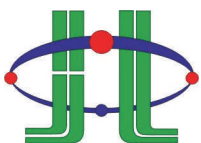


PACKAGE DIMENSIONS:



NOTE:

- 1.All dimensions are in millimeter.
- 2.Lead spacing is measured where the lead emerge from the package.
- 3.protruded resin under flange is 1.5mm max.
- 4.specifications are subject to change without notice.
- 5.Tolerance is 0.3mm unless otherwise noted.
- 6.Driving LED without heat sinking device is forbidden.
- 7.It is strongly recommended that the temperature of lead be not higher than 55°C.
- 8.Proper current derating must be observed to maintain junction temperature below the maximum.
- 9.LEDs are not designed to be driven in reverse bias.



HUEY JANN ELECTRONICS INDUSTRY CO., LTD.

No.27 Line 466 Sec.2,Cannng-nan Rd. Wu-chi Town Taichung Shien, Taiwan, R.O.C.

TEL:+886-4-26393976 FAX:+886-4-26393125

ELECTRIC-OPTICAL CHARACTERISTICS FOR LUMINOUS INTENSITY

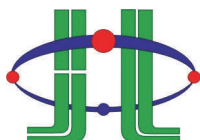
| Item | Symbol | Test Condition | Min | Typ | Unit |
|-------------|--------|----------------|-----|-----|------|
| HPB8-43KGx | Green | IV IF=350mA | | 55 | lm |
| HPB8-44KYx | Yellow | | | 43 | |
| HPB8-45KRx | Red | | | 45 | |
| HPB8-48KBx | Blue | | | 16 | |
| HPB8-48KBDx | Blue | | | 35 | |

*Tolerance: 15% HUEY-JANN measuring equipment : EXELTRON 2001. 2.S370 made by U.D.T.

ELECTRIC-OPTICAL CHARACTERISTICS FOR WAVELENGTH

| Item | Test Condition | λp | λd | Unit |
|-------------|----------------|-------------|-------------|------|
| HPB8-43KGx | IF=350mA | 520 | 525 | nm |
| HPB8-44KYx | | 595 | 590 | |
| HPB8-45KRx | | 635 | 625 | |
| HPB8-48KBx | | 462 | 465 | |
| HPB8-48KBDx | | 462 | 465 | |

*Tolerance: 15% HUEY-JANN measuring equipment : EXELTRON 2001. 2.S370 made by U.D.T.

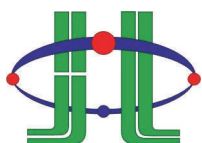
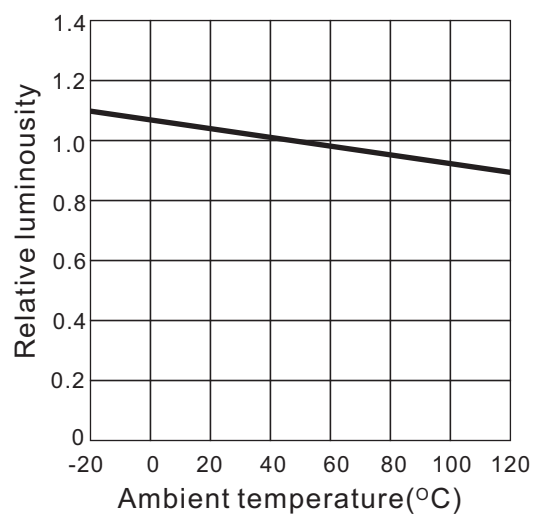
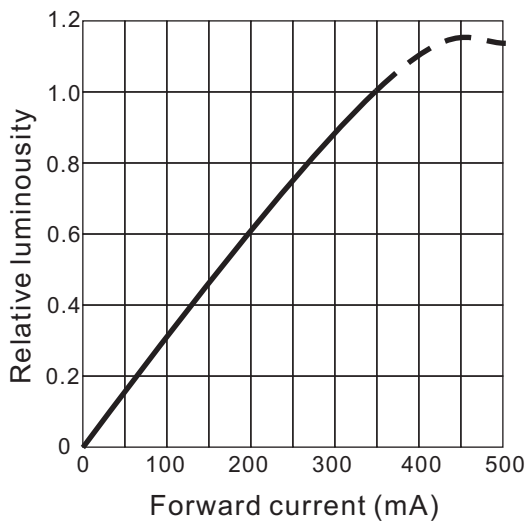
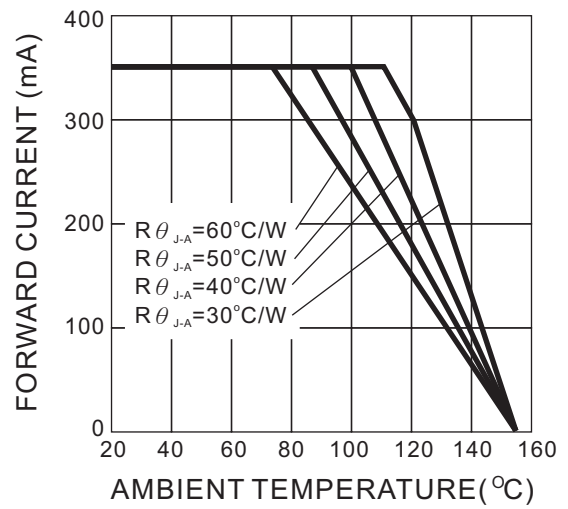
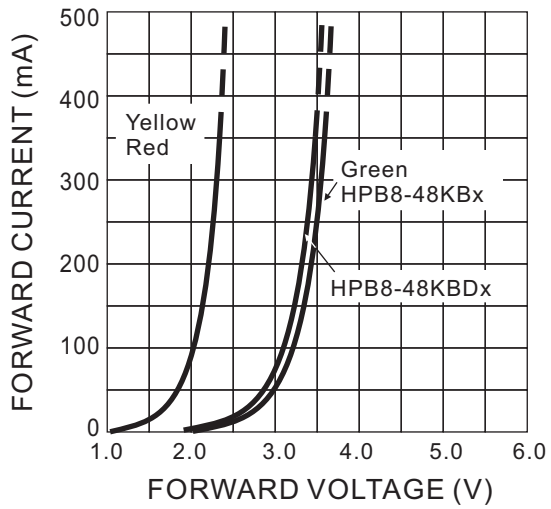


HUEY JANN ELECTRONICS INDUSTRY CO., LTD.

No.27 Line 466 Sec.2,Cannng-nan Rd. Wu-chi Town Taichung Shien, Taiwan, R.O.C.

TEL:+886-4-26393976 FAX:+886-4-26393125

TYPICAL ELECTRICAL OPTICAL CHARACTERISTICS CURVES

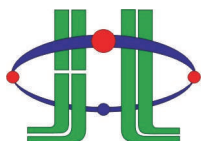
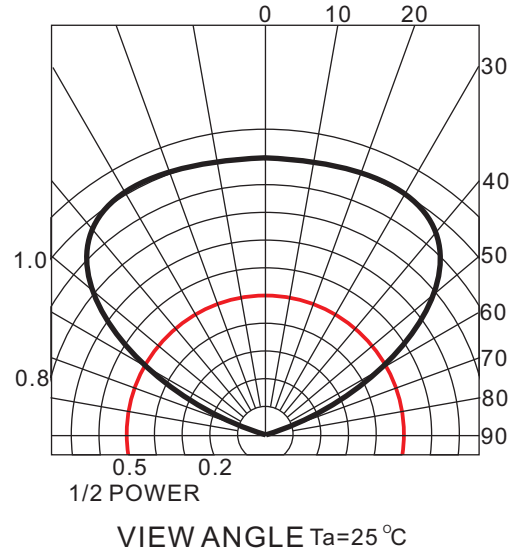
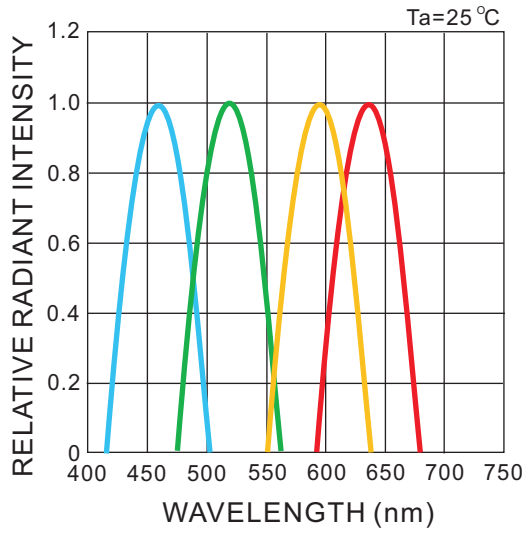


HUEY JANN ELECTRONICS INDUSTRY CO., LTD.

No.27 Line 466 Sec.2,Cannng-nan Rd. Wu-chi Town Taichung Shien, Taiwan, R.O.C.

TEL:+886-4-26393976 FAX:+886-4-26393125

TYPICAL ELECTRICAL OPTICAL CHARACTERISTICS CURVES



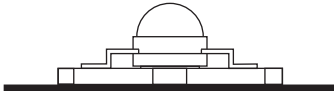
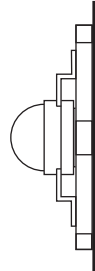
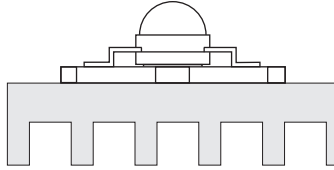
HUEY JANN ELECTRONICS INDUSTRY CO., LTD.

No.27 Line 466 Sec.2,Canng-nan Rd. Wu-chi Town Taichung Shien, Taiwan, R.O.C.

TEL:+886-4-26393976 FAX:+886-4-26393125

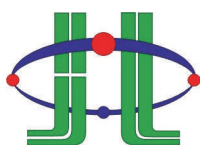
Conclusion

Huey Jann provide simple comparison table for High Power LED, you could find your request heat dissipation area from the following table.

| |  Free Convection Horizontal Flat Heat Dissipation-Set-up (Area Require mm ²) |  Free Convection Vertical Flat Heat Dissipation-Set-up (Area Require mm ²) |  Free Convection Finned Heat Dissipation-Set-up (Area Require mm ²) |
|--------|---|---|--|
| Green | 2,200 | 1,800 | 2,900 |
| Yellow | 1,100 | 900 | 1,500 |
| Red | 700 | 600 | 900 |
| Blue | 1,800 | 1,500 | 2,400 |

*TAB in this table is according to highest operating temperature 65°C.

*Different materials of second heat dissipation device, the surface area of heat sink will be different. Thus, this document is for reference only.

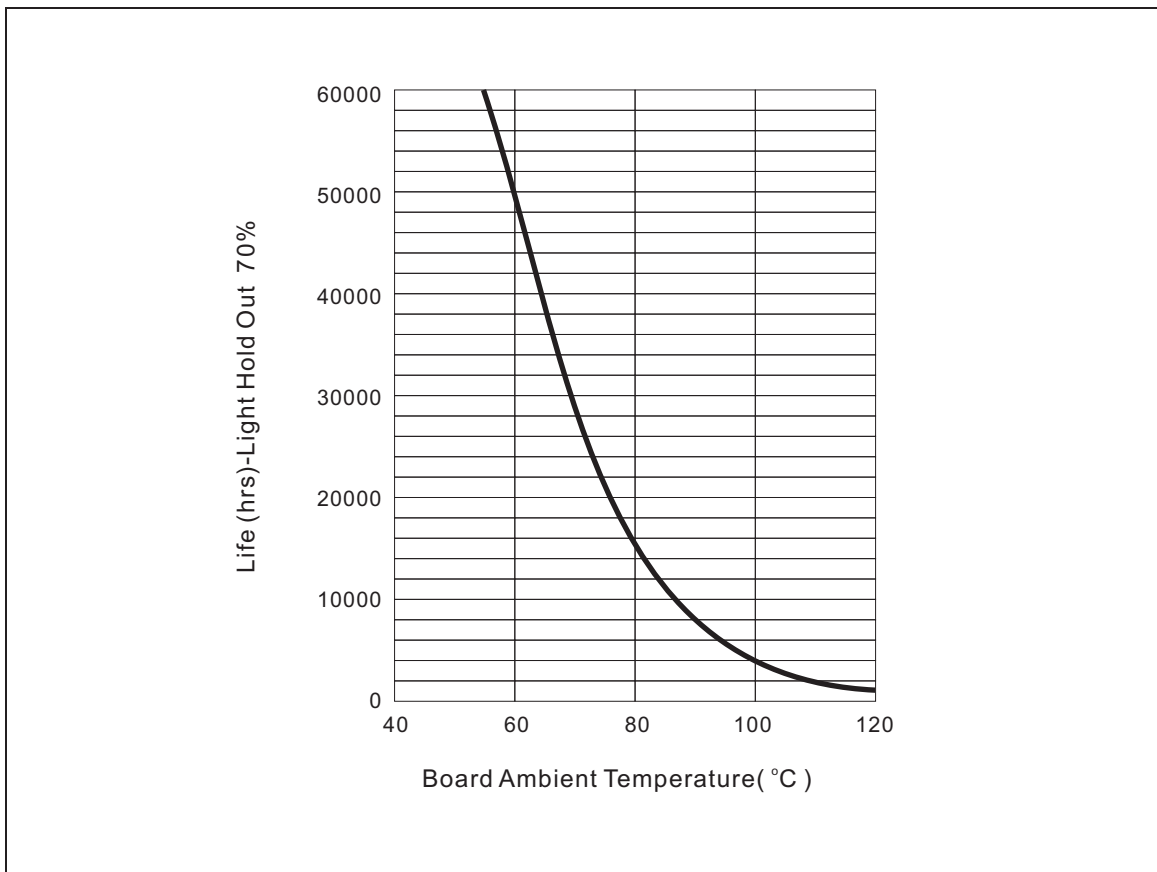
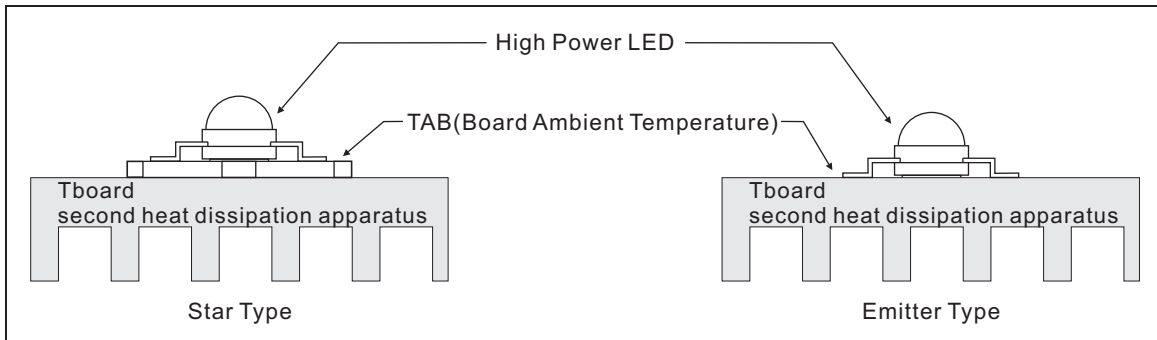


HUEY JANN ELECTRONICS INDUSTRY CO., LTD.

No.27 Line 466 Sec.2,Cannng-nan Rd. Wu-chi Town Taichung Shien, Taiwan, R.O.C.

TEL:+886-4-26393976 FAX:+886-4-26393125

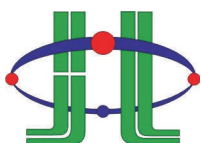
TAB Temperature - Life Characteristics Curves



*Board Ambient Temperature Tolerance 5°C.

*The TAB is the stable testing value for the product lighted 100% after one hour.

*This document is for reference only.



HUEY JANN ELECTRONICS INDUSTRY CO., LTD.

No.27 Line 466 Sec.2,Canng-nan Rd. Wu-chi Town Taichung Shien, Taiwan, R.O.C.

TEL:+886-4-26393976 FAX:+886-4-26393125