

Absolute Maximum Ratings

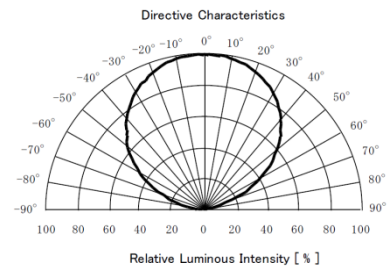
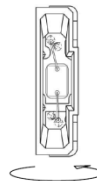
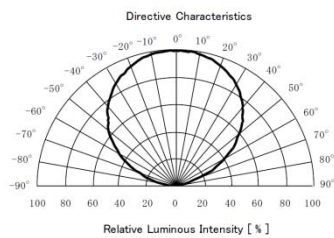
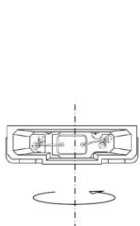
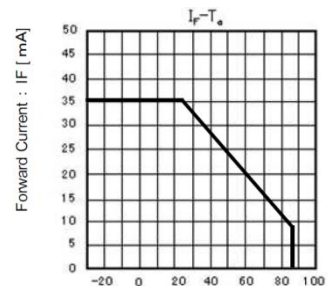
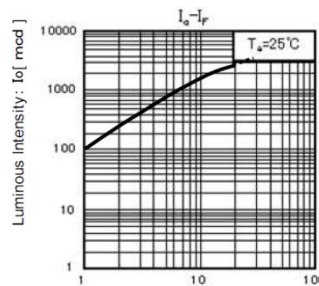
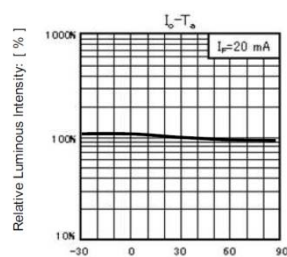
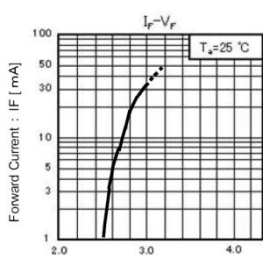
| Item | Symbol | Ratings | Unit | Remarks |
|----------------------------------|-----------|------------|------|---------|
| Power dissipation | P_D | 120 | mW | |
| Forward current | I_{FDC} | 35 | mA | |
| Pulse Forward current (Note1) | I_{FP} | 100 | mA | |
| Reverse voltage | V_R | 5 | V | |
| Operating ambient temperature | T_{opr} | -30 ~ +85 | °C | |
| Storage temperature | T_{stg} | -40 ~ +100 | °C | |

(Note1) The condition of I_{FP} is duty 10 %, pulse width 10 ms.

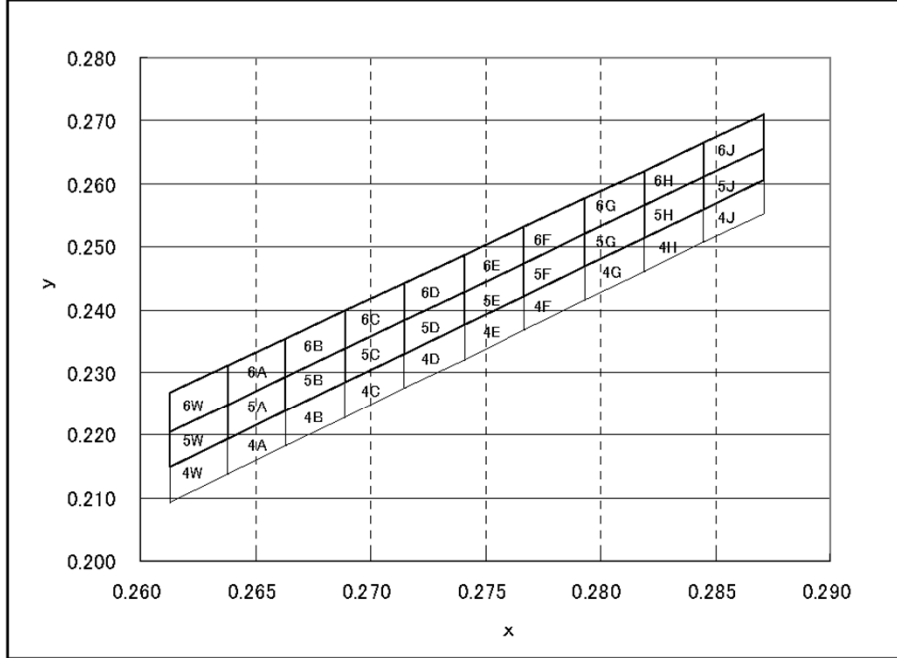
Electrical-Optical Characteristics

| Item | Symbol | Condition | Min. | Typ. | Max. | Unit |
|-------------------------------------|--------|------------------|-------------------------------------|------|------|------|
| Forward voltage (Note3) | V_F | $I_F = 20$ mA DC | 2.7 | — | 2.9 | V |
| Reverse current | I_R | $V_R = 5$ V | — | — | 5.0 | μA |
| Luminous Intensity (Note2) | I_o | $I_F = 20$ mA DC | 2180 | — | 2720 | mcd |
| Chromaticity Coordinates (Note5) | x | $I_F = 20$ mA DC | Rank classification of chromaticity | | | — |
| | y | $I_F = 20$ mA DC | | | | |

(Note2) Rank classification of Luminous Intensity
Measurement tolerance is ±5 %



(Note5) Rank classification of chromaticity ※Condition : $I_F = 20\text{mA}$



| 6W | | 6A | | 6B | | 6C | | 6D | | 6E | | 6F | | 6G | | 6H | | 6J | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0.2613 | 0.2268 | 0.2638 | 0.2311 | 0.2663 | 0.2354 | 0.2689 | 0.2398 | 0.2715 | 0.2442 | 0.2741 | 0.2487 | 0.2767 | 0.2531 | 0.2793 | 0.2576 | 0.2819 | 0.262 | 0.2845 | 0.2664 |
| 0.2638 | 0.2311 | 0.2663 | 0.2354 | 0.2689 | 0.2398 | 0.2715 | 0.2442 | 0.2741 | 0.2487 | 0.2767 | 0.2531 | 0.2793 | 0.2576 | 0.2819 | 0.262 | 0.2845 | 0.2664 | 0.2871 | 0.2709 |
| 0.2638 | 0.2248 | 0.2663 | 0.2292 | 0.2689 | 0.2338 | 0.2715 | 0.2383 | 0.2741 | 0.2429 | 0.2767 | 0.2474 | 0.2793 | 0.252 | 0.2819 | 0.2565 | 0.2845 | 0.2611 | 0.2871 | 0.2656 |
| 0.2613 | 0.2204 | 0.2638 | 0.2248 | 0.2663 | 0.2292 | 0.2689 | 0.2338 | 0.2715 | 0.2383 | 0.2741 | 0.2429 | 0.2767 | 0.2474 | 0.2793 | 0.252 | 0.2819 | 0.2565 | 0.2845 | 0.2611 |
| 0.2613 | 0.2268 | 0.2638 | 0.2311 | 0.2663 | 0.2354 | 0.2689 | 0.2398 | 0.2715 | 0.2442 | 0.2741 | 0.2487 | 0.2767 | 0.2531 | 0.2793 | 0.2576 | 0.2819 | 0.262 | 0.2845 | 0.2664 |
| 5W | | 5A | | 5B | | 5C | | 5D | | 5E | | 5F | | 5G | | 5H | | 5J | |
| 0.2613 | 0.2204 | 0.2638 | 0.2248 | 0.2663 | 0.2292 | 0.2689 | 0.2338 | 0.2715 | 0.2383 | 0.2741 | 0.2429 | 0.2767 | 0.2474 | 0.2793 | 0.252 | 0.2819 | 0.2565 | 0.2845 | 0.2611 |
| 0.2638 | 0.2248 | 0.2663 | 0.2292 | 0.2689 | 0.2338 | 0.2715 | 0.2383 | 0.2741 | 0.2429 | 0.2767 | 0.2474 | 0.2793 | 0.252 | 0.2819 | 0.2565 | 0.2845 | 0.2611 | 0.2871 | 0.2656 |
| 0.2638 | 0.2194 | 0.2663 | 0.2238 | 0.2689 | 0.2284 | 0.2715 | 0.233 | 0.2741 | 0.2376 | 0.2767 | 0.2422 | 0.2793 | 0.2468 | 0.2819 | 0.2514 | 0.2845 | 0.256 | 0.2871 | 0.2606 |
| 0.2613 | 0.2150 | 0.2638 | 0.2194 | 0.2663 | 0.2238 | 0.2689 | 0.2284 | 0.2715 | 0.233 | 0.2741 | 0.2376 | 0.2767 | 0.2422 | 0.2793 | 0.2468 | 0.2819 | 0.2514 | 0.2845 | 0.2560 |
| 0.2613 | 0.2204 | 0.2638 | 0.2248 | 0.2663 | 0.2292 | 0.2689 | 0.2338 | 0.2715 | 0.2383 | 0.2741 | 0.2429 | 0.2767 | 0.2474 | 0.2793 | 0.252 | 0.2819 | 0.2565 | 0.2845 | 0.2565 |
| 4W | | 4A | | 4B | | 4C | | 4D | | 4E | | 4F | | 4G | | 4H | | 4J | |
| 0.2613 | 0.2150 | 0.2638 | 0.2194 | 0.2663 | 0.2238 | 0.2689 | 0.2284 | 0.2715 | 0.233 | 0.2741 | 0.2376 | 0.2767 | 0.2422 | 0.2793 | 0.2468 | 0.2819 | 0.2514 | 0.2845 | 0.2560 |
| 0.2638 | 0.2194 | 0.2663 | 0.2238 | 0.2689 | 0.2284 | 0.2715 | 0.233 | 0.2741 | 0.2376 | 0.2767 | 0.2422 | 0.2793 | 0.2468 | 0.2819 | 0.2514 | 0.2845 | 0.256 | 0.2871 | 0.2606 |
| 0.2638 | 0.2137 | 0.2663 | 0.2182 | 0.2689 | 0.2228 | 0.2715 | 0.2274 | 0.2741 | 0.2321 | 0.2767 | 0.2367 | 0.2793 | 0.2414 | 0.2819 | 0.246 | 0.2845 | 0.2506 | 0.2871 | 0.2553 |
| 0.2613 | 0.2092 | 0.2638 | 0.2137 | 0.2663 | 0.2182 | 0.2689 | 0.2228 | 0.2715 | 0.2274 | 0.2741 | 0.2321 | 0.2767 | 0.2367 | 0.2793 | 0.2414 | 0.2819 | 0.246 | 0.2845 | 0.2506 |
| 0.2613 | 0.2150 | 0.2638 | 0.2194 | 0.2663 | 0.2238 | 0.2689 | 0.2284 | 0.2715 | 0.233 | 0.2741 | 0.2376 | 0.2767 | 0.2422 | 0.2793 | 0.2468 | 0.2819 | 0.2514 | 0.2845 | 0.2560 |

Measurement tolerance ± 0.005

- We call the area which is composed by the above points Rank of chromaticity.
- The warranty only applies $I_F = 20\text{mA}$. Please keep in mind that no warranty is given to any other current region.
- We classify the LEDs according to the above Rank. Rank cannot be mixed within a reel.

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