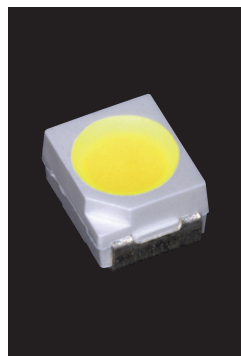


高輝度白色  
表面実装  
トップビューパッケージ

High-Brightness White  
SMD Top View Package

# LW801 series



| 品番<br>Part No. | 発光色<br>Emitted Color | チップ<br>Chip | 特徴<br>Features                                 | サイズ(mm)<br>Size  |
|----------------|----------------------|-------------|------------------------------------------------|------------------|
| LW801-1**2780  | ●                    | 1in1        | 高輝度・高演色 / High Brightness・High color-rendering | 3.5×2.8<br>t=1.9 |
| LW801-1**3080  | ●                    | 1in1        | 高輝度・高演色 / High Brightness・High color-rendering |                  |
| LW801-1**4080  | ●                    | 1in1        | 高輝度・高演色 / High Brightness・High color-rendering |                  |
| LW801-1**5080  | ●                    | 1in1        | 高輝度・高演色 / High Brightness・High color-rendering |                  |
| LW801-1**5780  | ●                    | 1in1        | 高輝度・高演色 / High Brightness・High color-rendering |                  |
| LW801-1**6580  | ●                    | 1in1        | 高輝度・高演色 / High Brightness・High color-rendering |                  |
| LW801-1**5770D | ●                    | 1in1        | 高輝度 / High Brightness                          |                  |

## 最大定格

### MAXIMUM RATINGS

Ta=25°C

| Item   | 逆電圧<br>Reverse Voltage | 順電流<br>Forward Current | 許容損失<br>Power Dissipation | 動作温度<br>Operating Temp. | 保存温度<br>Storage Temp. | 半田付け温度<br>Soldering Temp. |     |
|--------|------------------------|------------------------|---------------------------|-------------------------|-----------------------|---------------------------|-----|
| Symbol | V <sub>R</sub>         | I <sub>F</sub>         | P <sub>O</sub>            | T <sub>opr.</sub>       | T <sub>stg.</sub>     | T <sub>sol.</sub>         |     |
| Unit   | V                      | mA                     | mW                        | ℃                       | ℃                     | ℃                         |     |
| Data   | LW801-1-*****          | 5                      | 50                        | 170                     | -30~+85               | -40~+100                  | 260 |
|        | LW801-1-*****D         | -                      | 50                        | 160                     |                       |                           |     |

※最大5秒以内  
Maximum 5s

## 電気的光学的特性

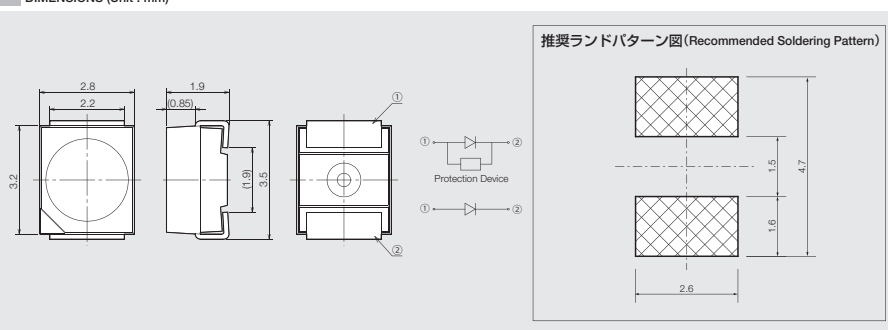
### ELECTRO-OPTICAL CHARACTERISTICS

Ta=25°C

| Item   | 順電圧<br>Forward Voltage | 色度<br>Chromaticity Coordinates | 光度<br>Luminous Intensity | 光束<br>Luminous Flux | 平均演色性評価数<br>General Color Rendering Index | 指向角<br>Viewing Angle | 順電流条件<br>IF Conditions |
|--------|------------------------|--------------------------------|--------------------------|---------------------|-------------------------------------------|----------------------|------------------------|
| Symbol | V <sub>f</sub>         | (x, y)                         | I <sub>v</sub>           | Φ <sub>V</sub>      | Ra                                        | 2θ 1/2               |                        |
| Unit   | V                      | -                              | cd                       | lm                  | -                                         | deg                  | mA                     |
| Data   | LW801-1**2780          | 2.7 3.0 3.3 (0.458, 0.410)     | 3.0 (3.9) -              | (10.9)              | 80                                        | 120                  | 35                     |
|        | LW801-1**3080          | 2.7 3.0 3.3 (0.435, 0.403)     | 3.0 (3.9) -              | (10.9)              | 80                                        |                      | 35                     |
|        | LW801-1**4080          | 2.7 3.0 3.3 (0.383, 0.380)     | 3.0 (4.2) -              | (11.8)              | 80                                        |                      | 35                     |
|        | LW801-1**5080          | 2.7 3.0 3.3 (0.345, 0.355)     | 3.3 (4.2) -              | (11.8)              | 80                                        |                      | 35                     |
|        | LW801-1**5780          | 2.7 3.0 3.3 (0.329, 0.342)     | 3.3 (4.2) -              | (11.8)              | 80                                        |                      | 35                     |
|        | LW801-1**6580          | 2.7 3.0 3.3 (0.313, 0.325)     | 3.3 (4.2) -              | (11.8)              | 80                                        |                      | 35                     |
|        | LW801-1**5770D         | 2.6 2.9 3.2 (0.329, 0.338)     | 3.9 (5.1) -              | (14.3)              | 70                                        |                      | 35                     |

## 外形寸法

### DIMENSIONS (Unit : mm)



## 特徴 FEATURES

- 高輝度  
High Brightness
- 小型表面実装パッケージ  
Small SMD Package
- 高演色性  
High Color-Rendition

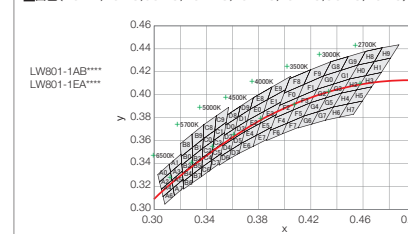
## 用途 APPLICATIONS

- 表示灯  
Indicators
- 電飾  
Illuminations
- 遊技機器  
Amusement
- 照明  
Lighting

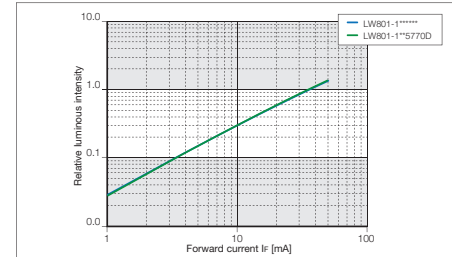


## 色度ランク分類 CHROMATICITY COORDINATES RANK

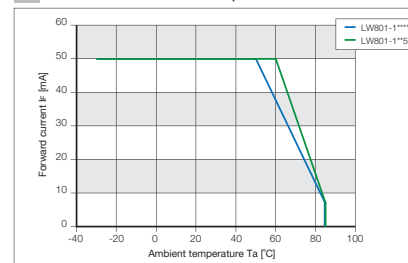
■白色(A0~7,B0~9,C0~9,D0~D9,E0~E9,F0~F9,G0~9,H0~9)



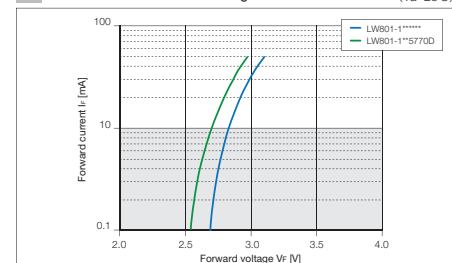
## 光度・順電流特性 Relative luminous intensity vs. Forward current (Ta=25°C)



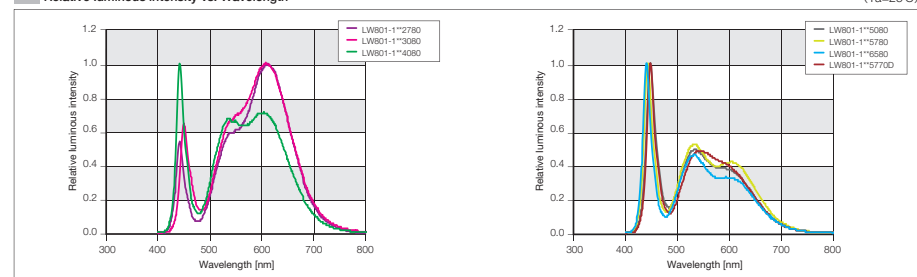
## 順電流・周囲温度特性 Forward current vs. Ambient temperature



## 順電流・順電圧特性 Forward current vs. Forward voltage (Ta=25°C)



## 発光波長分布特性 Relative luminous intensity vs. Wavelength



## 指向特性 Radiation pattern

