

EXPRESSING

0.5Watt class LED GTEW1151A 0.5ワットクラスLED GTEW1151A



NEW

GTEW1151ASE



Size L2.5 x W2.5 xH0.9 (mm)

- Small size 2.5x2.5 mm , Mid-power 0.5W
- Low color temperature item and Special color Elegant white
 - Low color temperature LED : 2,000K ---Candle color
 - LED for fresh meat : 4,000K ---Meat looks red, Tray looks white.
- Double potting lens structure
- In spite of silicon sealing, color temperature does not shift.
- 小型2.5x2.5mmサイズのミッドパワー0.5W
- 低色温度品と特殊色Elegant white
 - 低色温度LED : 2,000K …ロウソク色
 - 特殊色LED : 4,000K …肉は赤く、トレイは白く！
- ダブルポッティングレンズ構造
- シリコーン封止しても色温度が変わらない

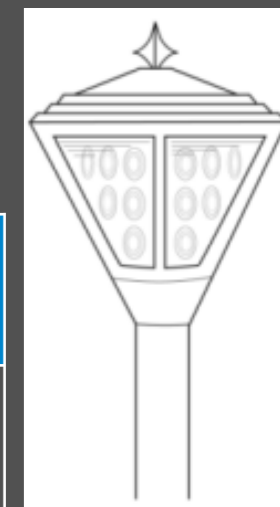
EXPRESSING

0.5Watt class LED GTEW1151A
0.5ワットクラスLED GTEW1151A

●Low temperature LED / 低色温度LED

GTEW1151ASE-20Y

| Luminous flux | VF | IF | Max.Current | Ra | Color Temp |
|---------------|-------|-------|-------------|--------|------------|
| 15 lm | 3.1 V | 80 mA | 170 mA | Typ.85 | 2,000K |



Application : Street lamp like Sodium-vapor lamp / ナトリウム灯等の街灯
推奨用途 Lighting for food showcase (Fly) / 揚げ物などのショーケース照明

●Special color temperature LED / 特殊色LED

GTEW1151ASE-16 [Elegant White]

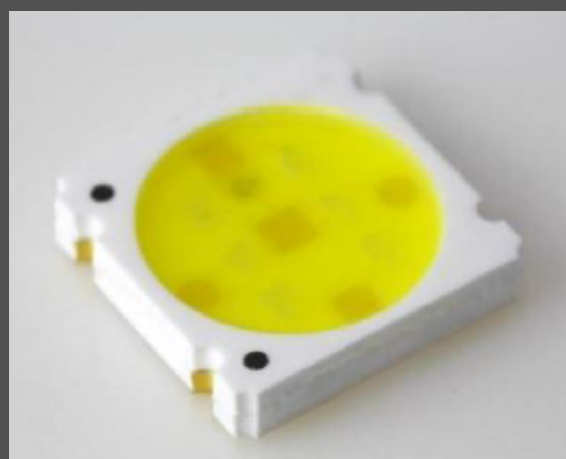
| Luminous flux | VF | IF | Max.Current | Ra | Color Temp |
|---------------|-------|-------|-------------|----|------------|
| 15 lm | 3.1 V | 80 mA | 170 mA | — | 4,650K |

Application : Frozen refrigeration showcase / 冷蔵ショーケース用照明
推奨用途 Lighting for flower shop / 花屋照明

EXPRESSING

1Watt class LED GTEW1156J

1ワットクラスLED GTEW1156J



GTEW1156JTE



Size L5.0 x W5.0 xH1.0 (mm)

- High reliability, High power 1W
 - Ave. Lifetime More than 60,000Hr (Flux maintenance above 70%, Normal temperature & Normal humidity, IF=350mA)
 - Anti-sulfuration package. No flux degradation at 192Hr (40deg./80%, H₂S 3ppm)
- Thermal characteristics Rth(j-s) 15°C/W
- 高信頼性ハイパワー1W
 - 平均寿命 60,000Hr以上 (光束維持率70%以上、常温常湿、IF=350mA)
 - 硫化対策済みパッケージ 192Hr 光束劣化無し (40°C/80%、硫化水3ppm)
- 熱抵抗 Rth(j-s) 15°C/W

EXPRESSING

1Watt class LED GTEW1156J
1ワットクラスLED GTEW1156J

●Basic specs / 基本性能

Electro-Optical Characteristics List / 電気的光学的特性一覧

IF=350mA

| Color Temp. (K) | CRI | Part name | Vf (TYP) | Ts25°C | | Ts85°C |
|--------------------|-------|-----------------|-------------|------------|--------------------|------------|
| | | | | Flux lm | Efficiency lm/W | Flux lm |
| 4000 | Ra 70 | GTEW1656JTE-40X | 3.0V | 150 | 143 | 135 |
| 5000 | | GTEW1646JTE-50X | | 159 | 150 | 142 |
| 4000 | Ra 85 | GTEW1656JTE-40Y | | 125 | 119 | 111 |
| 2700 | Ra95 | GTEW1656JTE-27Z | | 85 | 81 | 73 |
| 3000 | | GTEW1656JTE-30Z | | 90 | 86 | 78 |
| 5000 | | GTEW1656JTE-50Z | | 105 | 100 | 91 |
| 6500 | | GTEW1656JTE-65Z | | 110 | 105 | 97 |

EXPRESSING

2Watt class LED GBHW1106A
2ワットクラスLED GBHW1106A



NEW

GBHW1106ASE



Size L3.5 x W3.5 xH1.68 (mm)

- Environment resistance of high reliability and sulfide free
- It surpasses other products of performance in high temperature and when actually using it.
- Amount of color change of light is low when actually using it with temperature change.
- It is easy to replace from competition
- 高信頼性・硫化対策済み
- 実際使用時に優れた効率を発揮
- 高温や大電流時に色シフトが少ない
- 他社品とフットパターンは同じで置き換えが簡単
- 市販の一般照明用レンズでのマッチング確認済み
- シリコン充填時に色シフトが少ない

EXPRESSING

2Watt class LED GBHW1106A
2ワットクラスLED GBHW1106A

● Basic specs / 基本性能

Color temperature : 5000K

Color rendering properties : Ra70 (Ta=25°C)

| Electro-optical Characteristics IF=350mA | |
|---|----------|
| Luminous Flux | 149 lm |
| Efficiency | 147 lm/W |
| Vf | 2.9 V |
| Thermal resistance (Junction-Solder Point) | 8 °C/W |

| Absolute Maximum Ratings | |
|--------------------------|--------------|
| Forward Current | 1000 mA |
| Operating Temp. | -30°C~+85°C |
| Storage Temp | -30°C~+100°C |
| Junction Temp. | 150 °C |

● Characteristics when actually using it / 実使用時の性能

- CT 5000K
CRI(Ra) 70
- **Ts=85°C**

| | IF=350mA | | IF=700mA |
|---------------|----------|---|-----------------|
| Luminous flux | 137 lm | → | 241 lm |
| Efficiency | 140 lm/W | → | 111 lm/W |