



Stanley Electric's 2 watt type white LEDs

High luminous efficiency

2 watt type white LEDs achieved high luminous flux and low voltage



GBKW110GAS-57X

GBKW110GAS-40X

◆ Applications

Outdoor lighting		Landscape lighting	
Road light	Street light	Tunnel light	Floodlight

◆ Features

- Low thermal resistance and high reliability technology originally developed for high-power LEDs
- Can be used as a light source for lighting equipment such as outdoor lighting
- Can be used in harsh environments
- Two color temperatures for lighting use: 5,700K / 4,000K

◆ Specifications

Part name		GBKW110GAS-57X	GBKW110GAS-40X	Units	
Basic characteristics	Luminous flux	Φ_V	345	345	lm
	Color temp.	T_C	5,700	4,000	K
	Color chromaticity	CC	x 0.3293 / y 0.3423	x 0.3828 / y 0.3803	-
	Color rendering	Ra	Min.70	Min. 70	-
	Forward voltage	V_F	2.85	2.85	V
	Half intensity angle	$2\theta_{1/2}$	128	123	deg.
Absolute maximum ratings	Forward current	I_F	1,400		mA
	Junction temp.	T_j	135		°C
	Thermal resistance	$R_{th(j-s)}\ast$	5.0		°C/W
	Operating temp.	T_{opr}	-40 to +85		°C
	Storage temp.	T_{stg}	-40 to +100		°C
Size		LxWxH	3.7 × 3.7 × 2.05		mm

Conditions : $T_a=25^\circ\text{C}$ $I_f=700\text{mA}$ \ast Junction-Soldering point

