



NATIONSTAR

2016 Series

Low Power High Luminous Efficacy



FEATURES:

- High refringence , high brightness , anti-sulfur.
- Thin encapsulation with heat sink , efficient heat dissipation.
- High luminous efficiency , high-CRI , long lifespan.
- Eco-friendly , RoHS compliant
- Rated power : 0 . 2 W

ABSOLUTE MAXIMUM RATINGS:

Parameter	Symbol	Rating
Forward Current	IF	75mA
Pulse Forwards Current*2	IFP	200mA
Reverse Voltage	VR	5V
Working Temperature	TOPR	-30~+85°C
Storage Temperature	TSTG	-40~+100°C

PRODUCT PARAMETERS/TA=25°C:

Color	Part number	Color Temp (K)	CRI Ra Min	IF (mA) TEST	Φ_v (lm) Typ.	VF (V) Typ.
Natural white	FM-2016-WNS-460Q-R80	5600-6500	80	60	22	3.2
Neutral white	FM-2016-WDS-460Q-R80	3700-4200	80	60	22	3.2
Warm white	FM-2016-WLS-460Q-R80	2800-3200	80	60	20	3.2

DIMENSIONS/UNIT(mm):

Thermal Dissipating Structure:



With a structure of the chip being placed on thermal pad the heat could be conducted to the PCB directly.

Dimensions/Unit:mm

