

# Data Sheet

## 4.5W LED G5.3 Reflector

Version	V2.0
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### History

Version	Date	Comment	Written By	Review By
V1.0	2011-10-12	First Release	L.Cheng	W. Kuang
V1.1	2012-03-15	First Edit	J.Kent	W. Kuang
V2.0	2012-05-10	Second Release	J.Kent	W. Kuang

Authorised By	
Position	
Signature	

## 4.5W LED G5.3 Reflector

KTC4.5PWR/G5.3-S30 KTC4.5PWR/G5.3-S40 KTC4.5PWR/G5.3-S65

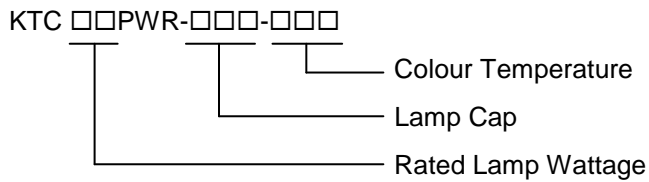
### Photograph

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### Product Code Format

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### Features

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- Save energy up to 90% comparing with halogen lamps.
- Long Life of 35000h, 25 times longer than halogen lamp.
- Can be used with most 12V AC electronic transformers for LV-Halogen lamps in the 20-60VA range.
- Can be used with 12V DC constant voltage LED driver.
- Instant start.
- Not dimmable
- Lamp life may reduce when used in enclosed fitting.

## Specifications

Rated Lamp Wattage	4.5W	Peak Candelas	600cd (3000K)
Equ. Wattage	42W		615cd (4000K)
Input Voltage	12VDC/AC		650cd (6500K)
Quantity of LED(pcs)	3	Ambient Temperature(Ta)	-20°C to 40°C
Dimmable	No	Case Temperature(Tc)	Max. 70°C
Base	G5.3	LED Chip	Epistar
Beam Angle	30°	Length	54.5mm
Life to 50% Failure	35000h	Diameter	50mm
Colour Temperature	3000K/4000K/6500K	Packaging Type	Colour Box
CRI	76 Ra	Qty Per Box	1
Lamp Luminous Flux	220lm (3000K)	Qty Per Mid-Carton	20
	230lm (4000K)	Qty Per Carton	100
	260lm (6500K)	Net Weight Per Piece	75g
Lumen Maintenance 10000h	91%	Gross Weight Per Carton	7.5 kg
Lumen Maintenance 35000h	80%		

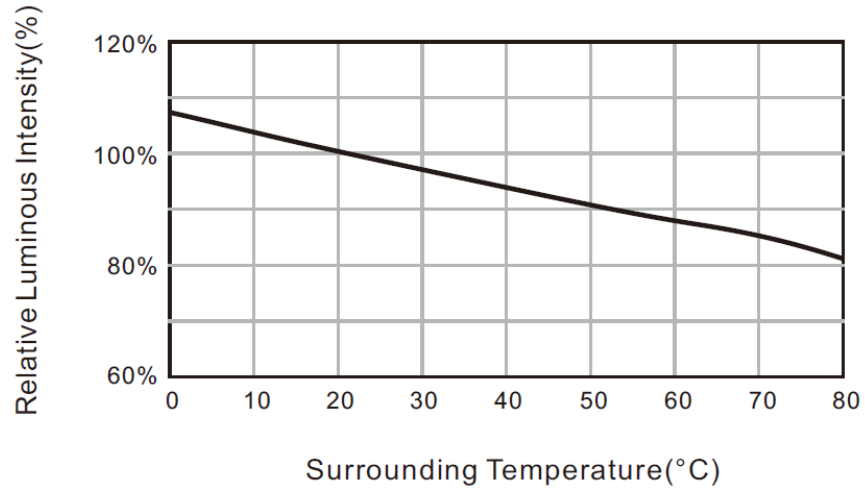
## Compatibility

The lamps can be used with most 12V AC electronic transformers for LV-Halogen lamps in the 20-60VA range but it is always recommend that lamps are tested with existing transformers before committing to an installation. Test results in laboratory conditions are listed below for a limited number of transformers. Unless otherwise indicated the test was performed on a one-to-one basis.

<b>Make</b>	<b>Model</b>	<b>Rating</b>	<b>KTC4.5PWR/G5.3</b>
AURORA	AU-150SS	50-150VA	NO
AURORA	AU-210SS	50-210VA	OK
AURORA	AU-RD105	35-105VA	NO
AURORA	DAIS DA-E60	20-60VA	OK
AURORA	ENLITE EN-SC60	20-60VA	OK
AURORA	AU-RD60E	20-60VA	OK
AVENUE	AVET60MINI	60VA	NO
COLLINGWOOD	SET105FS	35-105VA	OK
COLLINGWOOD	BLACK60	20-60VA	OK
COLLINGWOOD	GREEN60	20-60VA	OK
CONTACT	CED-60	20-60VA	NO
HALOLITE	HA-SF60T	20-60VA	OK
HALOLITE	HA-SM60TS	20-60VA	NO
HALOLITE	HA-SE60	20-60VA	NO
HALOLITE	HA-S60TA	20-60VA	OK small buzzing
JCC	JC4013	35-105VA	OK
JCC	JC4030	10-60VA	OK
KNIGHTSBRIDGE	T02	20-60VA	OK
LL	ET105	20-105VA	OK
LUXINA	ET60T-3	20-60VA	OK
MAE	MA-60	10-60VA	OK
OSRAM	HTM 70/230-240	20-70VA	OK (1-3)
ROBUS	LEB60D	20-60VA	OK
VARILIGHT	YT250	0-250VA	OK
VARILIGHT	YT105L	0-105VA	OK
VARILIGHT	YT70L	0-70VA	OK
VARILIGHT	YT50L	0-50VA	OK
VARILIGHT	YT150	0-150W	OK

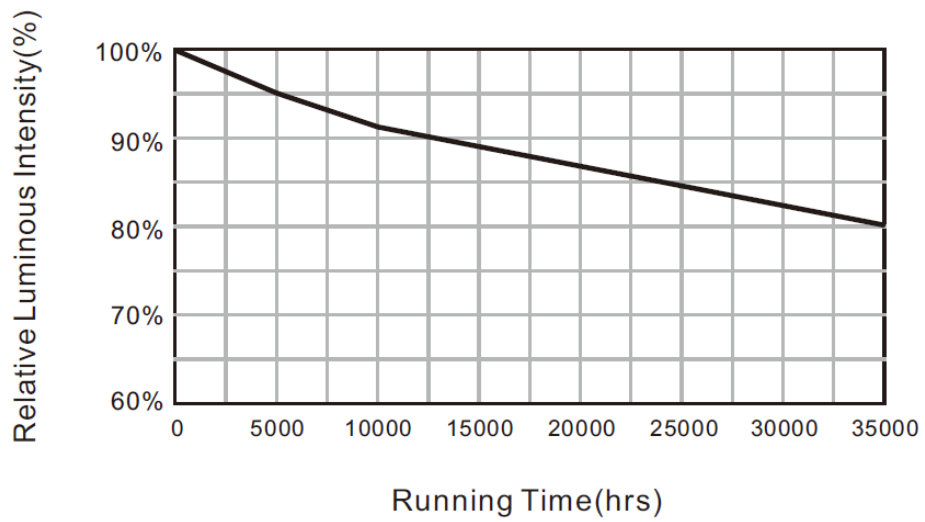
## Lumen Output Vs. Temperature

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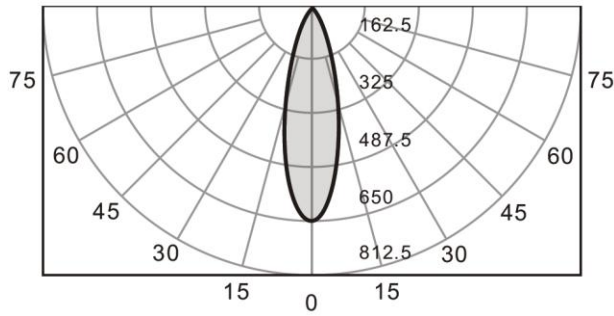


## Lumen Maintenance

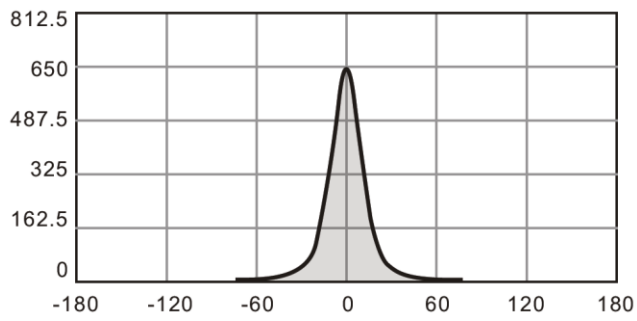
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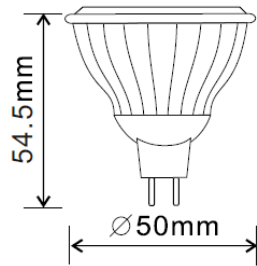
## Photometrics



m	Beam Angle: 30°	Lux	∅cm
0.5		2280	24
1.0		570	48
2.0		143	95
3.0		63	142



## Line Drawing



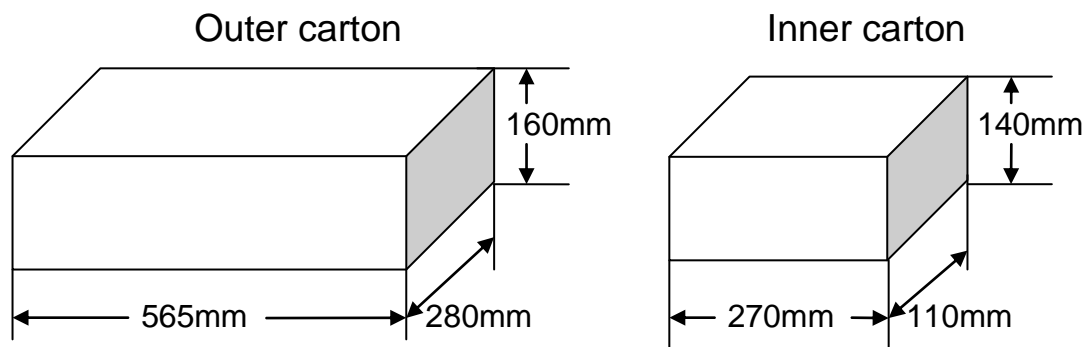
## Packaging

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- 100 units per outer carton
- 20 units per inner carton
- 5 inner cartons per outer carton

## Dimension

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## Mark

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Label

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