



# STAR ALLIANCE TECHNOLOGIES Home and Building Applications





#### **FEATURES:**

• POWER LED 3.0 Watt

Base / Socket: MR16

• More than 40.000 hours

- Low heat, no UV or IR light radiation
  - Homogeneous flood illumination, no holo-ring effect
- 4 Watt version can achieve directional light output equal to 25 Watt halogen lamp
- Consume 80% lees power than halogen lamp
  - Reverse polarity protection
  - Safety Standard CE and ROHS
  - 1 Year limited warranty look at page no. 7
  - Works with 12V AC / DC lighting systems



### Applications:

- Landscape Accent / Spot lighting
  - Display Case Accent
    - Artwork Lighting
- Mood Lighting / General lighting
  - Amusement Park Accent

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#### **Product Specifications**

**Light Source**: 1 x 3 Watt LED

Optics: Optical grade PC lens

Lens Diameter: 28 mm

**Beam Angle:** 45° (Wide Spot)

Min Beam Distance: 15 cm (6 inches)

**Rendering Index:** > 70 (for cool white color)

**Total Length:** 53.4 mm (including pins)

Weight: 38 g

**Heatsink** Molded aluminum with chrome finish,

5 cm (2") diameter

Base: GX5.3 pins

**Dimmability:** not dimmable

#### **Environmental Specifications**

**Temperature Range:** Ambient: -20°C to 40°C,

Surface of Lamp 60°C to 70°C

**Humidity Range:** 0 to 95% non-condensing humdity

#### **Electrical Specifications**

Voltage Requirement: 12V AC or DC

Power Consumption:  $\leq 1 \text{ W}$ 

**Power Factor:** Low voltage magnetic or switching power supply

to provide 12V AC or 12V DC

DO NOT CONNECT LAMP TO ELECTRONIC TRANSFORMER

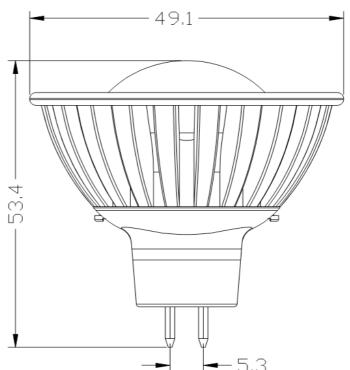
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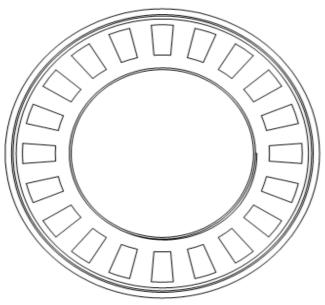




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## Technical Drawing (mm)





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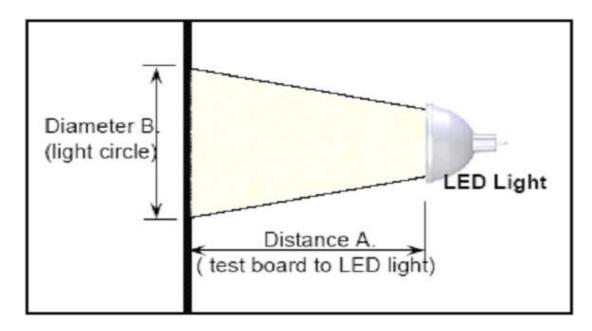
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#### Illumination Characteristics (T = 25°C)



Dist	ance	1W Typical Illuminanced								
Dist	ance	Mea	eam (L	.ux)						
Dist A (cm)	Dia. B (cm)	W	C	R	Y	В	G			
30	28	750	900	780	850	35	1,025			
50	45	290	280	300	325	15	380			
100	86	77	100	80	88	8	110			
150	128	38	48	40	43	3.5	48			
200	160	12	28	30	26	3	27			

W = Warm White
C = Cool White
R = Red
Y = Yellow
<b>B</b> = Blue
<b>G</b> = Green

The center beam lux is measured with digital Lux Meter ( Model TES-1334-A)

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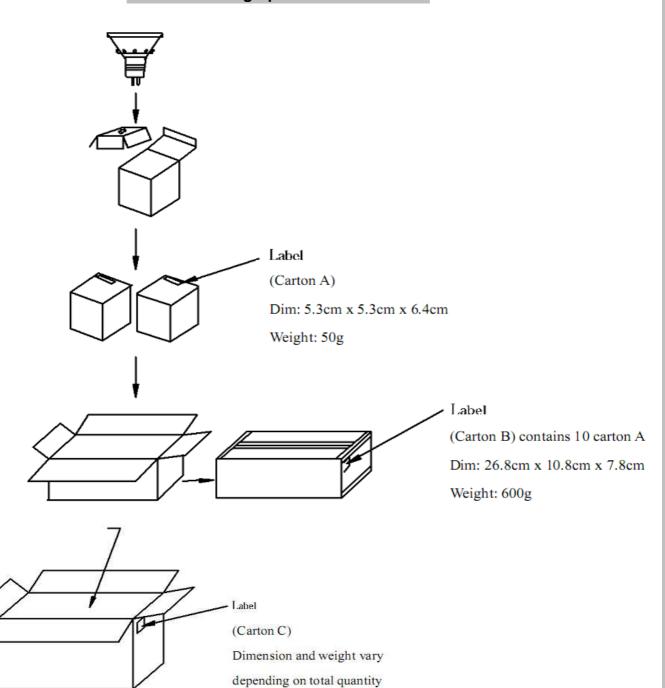
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# STAR ALLIANCE TECHNOLOGIES Home and Building Applications

#### **Packing Specifications**



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## STAR ALLIANCE TECHNOLOGIES Home and Building Applications

### **Ordering Informations**

Serie	Power	Color Code	Beam Shape	Voltage	Base	Housing
1210024	 3	W	S	Α	16	С
	<b>3</b> = 3 Watt	<b>W</b> = Warm	S = Wide	<b>A</b> = 12	MR16	C = Chrome
		C = Cool	Spot ( 45° )	V AC / DC		<b>B</b> = Black
		R = Red				Anodize
		Y = Yellow				
		<b>B</b> = Blue				
		<b>G</b> = Green				

#### **Product Informations**

Color	ССТ	Operating Voltage	LED Power	Typical Luminous Flux	Beam Angle
	(K / nm)	(VAC/DC)	(W)	( lm )	(°)
Warm White	2800 ~ 3800			45	
Cool White	5000 ~ 7000			75	
Red	625	12	1 x 3	55	45±2
Yellow	595	12	1 X 3	55	45±2
Blue	470			20	
Green	530			55	

#### Typical Electrical Characteristics at T=25°C

Parameter	Symbol	Min.	Тур.	Max.	Unit
Input Voltage (AC)	$V_{AC}$	10	12	14	V
Input Voltage (DC)	$V_{DC}$	9	10	12	V
LED Forward Current	If		500		mA
Estimated Life Time			40,000		Hours
Optimized Body Temperature 3,6	Т		55	60	°C

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## STAR ALLIANCE TECHNOLOGIES Home and Building Applications

#### Warranty Discription

#### **EDCON WARRANTY**

Manufacturer warrants to the Purchaser that each Product manufactured and sold by it will be free from defects in material and workmanship in ist intended use (normal wear and tear excepted) for the period of one year from date of Purchasers purchase (the invoice date) from Manufacturer. Manufacturers warranty flows only to Purchaser. If any Product covered by this warranty is returned by Purchaser in accordance with Manufacturers Products Return Policy, including without limitation its return authorization provisions, within the applicable warranty period set forth above, and upon examination Manufacturer determines to its satisfaction that such Product was defective in material or workmanship at the time of delivery to the Purchaser. Manufacturer will, at its option, repair or replace the Product or the defective part thereof, or reimburse Purchaser for the purchase price. For purposes of clarity, "repair or replace the Product or the defective part therof" does not include any reinstallation costs or expenses. If Manufacturer chooses to replace the Product and is not able to do so because it has been discontinued or is not available, Manufacturer may replace ith with a comparable product. The Products Return Policy is posted on Manufacturers Internet web site at http://www.edcon-components.com. The foregoing notwithstanding, Manufacturer will not be responsible for damage to any Product resulting from misuse, negligence, acts of God or accident or resulting from repairs or alterations made by any person or firm not duly authorized by Manufacturer in writing. Purchaser shall convey with each Product distributed to end users the MANUFACTURERS WARRANTY includet by Manufacturer with such Product, and, if Manufacturer determines that the appropriate remedy for a defective product is refund of Purchasers purchase price, Purchaser shall refund to the end user (or arrange for the refund to the end user of) the full purchase price paid by the end user for such defective Product. The Products Return Policy is posted on Manufacturers Internet web site at http://www.edconcomponents.com. The foregoing notwithstanding, Manufacturer will not be responsible for damage to any Product resulting from misuse, negligence, acts of God or accident or resulting from repairs or alterations made by any person or firm not duly authorized by Manufacturer in writing. Purchaser shall convey with each Product distributed to end users the MANUFACTURERS WARRANTY includet by Manufacturer with such Product, and, if Manufacturer determines that the appropriate remedy for a defective product is refund of Purchasers purchase price, Purchaser shall refund to the end user (or arrange for the refund to the end user of) the full purchase price paid by the end user for such defective Product.

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