LED PAR30 Lamp - E921XDC

- Designed as a direct retrofit to most PAR30 lighting fixtures
- 12W LED lamp, for replacement of 75W halogen lamp
- TRIAC dimmable
- High power factor, High energy efficiency
- High quality light with a colour rendering index of 80
- Passed FCC,UL(File Number E339311)

Product Offering

Type reference	Wattage	CCT	Luminous	Beam Angle
E921XDC -12-827	12W	2700K	660Lm	15°/20°/30°/40°
E921XDC -12-830	12W	3000K	700Lm	15°/20°/30°/40°
E921XDC -12-740	12W	4000K	750Lm	15°/20°/30°/40°
E921XDC -12-760	12W	6000K	800Lm	15°/20°/30°/40°

1. Key Features and Benefits

- 12W LED lamp as high-quality
- E26,E27,GU24 base
- Silver, black housing finish
- 15°,20°,30°,40° beam angle
- AC100~120V/60HZ input voltage
- Dimmable
- Available in four different colour temperatures:
  - ▷ 2700K – warm white
  - ▷ 3000K – warm white
  - ▷ 4000K –neutral white
  - ▷ 6000K – cool white
  - ▷ Other Colours [1]
- High colour consistency (standard deviation colour matching <5)
- Shock-proof and vibration-proof
- 40,000 hours lifetime
- UV,NIR radiation free and Mercury free
- 3 years Light Emission Technology Guarantee and Lifetime technical support

"1" Demand for other colours， please land on www.lightemissiontech.com , we can do more for you !

2. Common Characteristics [2]

Average lifetime [3]	Starting time	Switching cycles (30s on, 30s off)	THD	Warm up time for 60% light	Working Conditions	Tc temperature max [4]	Mercury max
40, 000H	0.02s	1,000, 000	<20%	None	-20 ~ 40℃	85℃	0.0mg

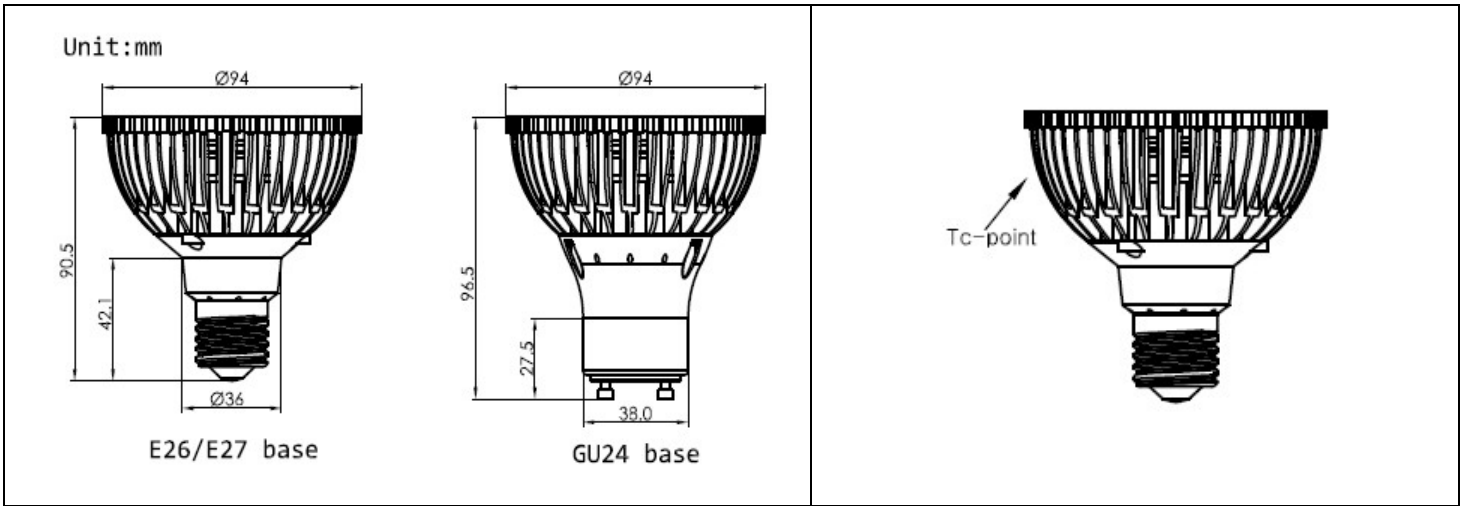
Base	Length	Diameter	Weight[5]	Input Voltage	Nominal Current	Power	Power Factor
E26/E27	90.5mm	94mm	290g	AC100~120V	150mA max	12W	>0.9
GU24	96.5mm	94mm	285g	AC100~120V	150mA max	12W	>0.9

3. Characteristic Range [2]

Type reference	Luminous flux	CRI	CCT	standard deviation colour matching	Beam angle	Base
E921XDC- 12-827	660Lm	80	2725±145K	<5	15°/20°/30°/40°	E26 /Gu24
E921XDC -12-830	700Lm	80	3045±175K	<5	15°/20°/30°/40°	E26 /Gu24
E921XDC -12-740	750Lm	75	3465±245K	<5	15°/20°/30°/40°	E26 /Gu24
E921XDC -12-760	800Lm	70	6000±400K	<5	15°/20°/30°/40°	E26 /Gu24

*The product maintains a tolerance of ±10% on flux , ±5% on CCT measurements and ±2 on CRI measurements.

4. Mounting Information



"2" Typical values, measured @ 120V AC/60HZ.All the technical parameters apply to the entire lamp. In view of the complex manufacturing process for LED, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual parameters of an individual product; individual products may vary from the typical values.

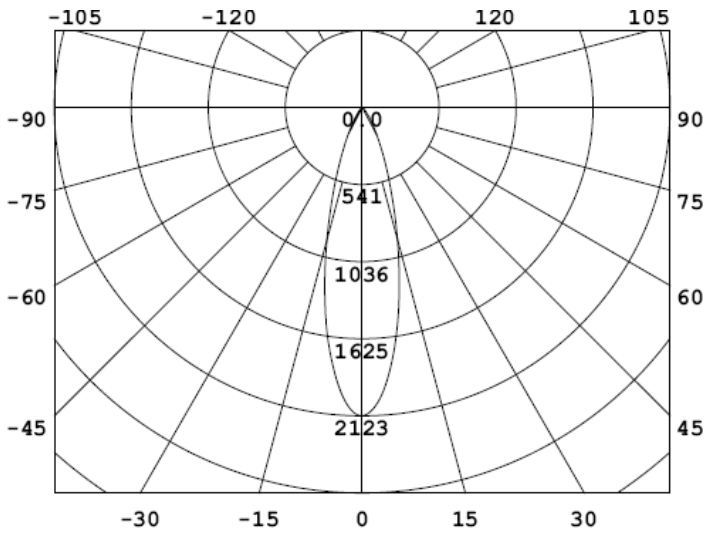
"3" The average lifetime of LED lamps is defined as the number of hours when the light output of 50% of a large group of identical lamps goes below 70% of its initial luminous flux(L70B50,IEC60969).The lifetime is estimated open lamps at room (Ta=25℃) ,free air burning, base up burning position and at rated voltage.

"4" The Tc is defined as the highest permissible temperature which may occur on the outer surface of the LED lamp under normal operating conditions and at the rated voltage/current/power or the maximum of the rated voltage/current/power range.

"5" This is the typical value, due to the product using silicone potting process, and considering the silicone potting process weight uncertainly. So the consistency of product weight can not be guaranteed .Expected the weight deviation value is 8%.

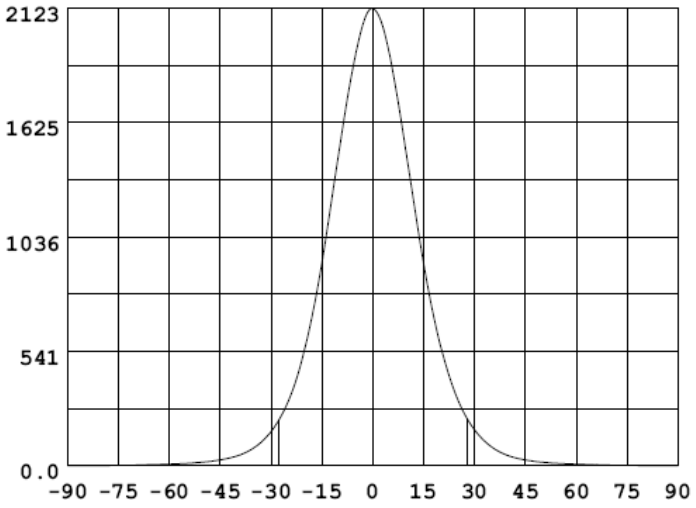
5. Intensity[6]

Unit:cd



Center intensity spread angle (50%):29.2deg

Unit:cd



Center intensity spread angle (10%):58.7deg

* The data is testing result of 30° lens.

6. Photometric

	3000K / 15°	3000K / 20°	3000K / 30°	3000K / 40°	6000K / 20°
Throw Distance	**Illuminance**	**Illuminance**	**Illuminance**	**Illuminance**	**Illuminance**
1m	6000Lux	3850Lux	2000Lux	1150Lux	4200Lux
2m	1500Lux	960Lux	520Lux	295Lux	1050Lux
3m	670Llux	430Lux	230Lux	130Lux	470Lux
C B C P	6050cd	4090cd	2100cd	1165cd	4230cd

7. Disposal Information

WEEE-lamps can be returned at specific collection points.
LED lamps have to be disposed as special waste.

8. Application Information

Applications

- Tracking lighting
- Spot lighting
- Display and cabinet lighting
- Architectural lighting
- Art gallery and museum
- Industrial and commercial area lighting

Applications Notes

- Risk of electric shock - use in dry location only
- Can not be used for outdoor applications
- Input voltage:AC100V~120V
- Operating temperature: -20℃~40℃
- Storage temperature:-30℃~70℃
- This device is not intended for use with emergency exits

"6" Center intensity spread angle（50%）: half beam angle; Center intensity spread angle（10%）: full beam angle.

9. Cost savings： example

Reference product description	Similar halogen product	Watts saved	Cost saved after 1 year	Cost saved after 2 years	Cost saved after 5 years
E921XDC-E26-12-830-20S	75W halogen lamp	63W	$25.3	$50.6	$124.5

* Base on the assumption of 10 hours/day and an energy cost 0.11 $/kWh

10. Dimming behaviour[7]

Dimming Test @ AC120V,60HZ					
Dimmer info		Number of lamp	Dimming range [8](100%)		Note
Brand	Model		Min	Max	
Lutron	DNG-600P	1	1.7	100	
Lutron	NT-603P	1	9.5	100	
Lutron	GL-600P	1	4.8	100	
Lutron	CTCL-153PD	1	32.4	100	*
Lutron	D-600R	1	1.8	100	*
Lutron	CN-603P	1	21.3	100	
Lutron	CN-600P	1	12.2	100	
Lutron	NT-603P	1	6.4	100	*

* Lamp may flicker in lower dimming range

11. Packaging Information[9]

Lamp Type	Dimension (mm)	Gross Weight (kg)	Net Weight (kg)	Qty/Carton
E921XDC- E26(E27)	440*330*260	9.0	7.0	24
E921XDC- G24	440*330*300	9.0	7.0	24

12. Ordering Guide

E921X	D	C	E26	12	7	40	15	S
PAR30	Dimming	Voltage	Base	Wattage	CRI	CCT	Beam Angle	Housing Finish
Multi lens	D:Dimmable	C: 100~120VAC	E26: E26	12: 12W	7:70-75	27:2725± 145K	15: 15°	B: black
			G24: GU24		8:80	30:3045± 175K	20: 20°	S: silver
						40:3985±275K	30: 30°	
						60:6000± 400K	40: 40°	

"7" The test results were achieved by using the TRIAC Dimmer mentioned above, the compatibility of other dimmers may need further testing.

"8" The percentage of minimum and maximum values of the power.

"9" The tolerance of the product weight is ±5%.

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