

HYUNDAI


LED G6 High power bulb 50W 3000K/6500K

Technical Specification

Bulb Product Specification

Product Description:	LED G6 High Power Bulb 50W 3000K/6500K
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A、 Appearance Description

	Component NO	Component Name	Material Technics	Color Effect	Remark
	1	bulb	PC	white	
	2	Heat sink	AL 1060	black	
	3	Plastic with Aluminum	PBT + AL	white	
	4	Lamp base	Nickel + PBT		

B、 Structure

Parameter	Units	Min	Rating	Max	Remark
Diffuser					PC
Driver			internal		
Installation Method	Rotating Mounting				
length	Mm	126	128	130	
Height	Mm	229	232	235	
Weight	g	405	450	495	

C、 Product Certification

Standards	<input checked="" type="checkbox"/> IEC 60598 Series <input checked="" type="checkbox"/> SASO870 <input checked="" type="checkbox"/> LVD
	<input checked="" type="checkbox"/> IEC 61347 Series <input type="checkbox"/> GB19510
	<input checked="" type="checkbox"/> IEC62031 <input type="checkbox"/> FCC 47 part 15 <input type="checkbox"/> GB/T20145
	<input checked="" type="checkbox"/> IEC 62471 <input type="checkbox"/> CISPR15 <input type="checkbox"/> ROHS
	<input type="checkbox"/> IEC 61000- 3- 2/ 3 <input type="checkbox"/> IEC 61547

D、Electronic Data

Parameter	Units	Min	Rating	Max	Remark
Supply Voltage	V	110	110-240	240	
Supply Frequency	Hz	50	50/60	60	
Supply Current	A	0.195	0.215	0.235	
Power Consumption	W	45	50	52	
Power Factor	-	0.9	0.92	> 0.92	
THD		15%	<25%	25%	
Surge	KV			1	
Thermal Efficiency			88%		
Luminaire Efficiency			88%		
LED Driver Current	mA		215		
LED Driving Power	W		50		
LED Driver Efficiency	%		88%		
LED Driver Lifetime			25000H		
Overload shortcut protection					No

E、Light Source Data

LED Specifications	Units	
LED Qty. (pcs)	pcs	50
LED Size	mm	2835
LM80 Report		Y

F、Optical Data

Parameter	Units	Min	Rating	Max	Remark
Luminous Flux	Lm		4250		
Beam Angle	°	135	180	225	
Luminous Efficacy	lm/W	80	85		
Ra	-		>82		
Chromaticity Coordinate		<input checked="" type="checkbox"/> CIE standard <input type="checkbox"/> ANSI standard <input type="checkbox"/> JIS standard			

Color Temperature	K		3000K-6500K		
SDCM			SDCM ≤ 7		
Optical Efficiency			>85%		

G、Reliability Data

Parameter	Units	Rating/Working Condition	Remark
Lifetime	hrs	25000H	
Number of Switching Cycles	Times	12500	
Starting Time	s	1	

H、Spectroscopic Data

Parameter	Data	RA=82.3
R1	80	
R2	92	
R3	93	
R4	78	
R5	81	
R6	91	
R7	80	
R8	56	
R9	3	
R10	83	
R11	77	
R12	74	
R13	83	
R14	97	
R15	72	

I、CIE Color Data

Parameter	Rating/Working Condition	Remark
Chromaticity Coordinate	$x = 0.4344$ $y = 0.4017$ / $u' = 0.2500$ $v' = 0.5201$ (Duv=5.96e-04)	
Dominate Wavelength	$\lambda_d = 582.9\text{nm}$ Color Purity=51.0%	
Peak Wavelength	$\lambda_p = 601\text{nm}$	
FWHM	120.4nm	
Color index	R=24.6% G=72.8% B=2.7%	