

HYUNDAI


LED Bulb

Technical Specification

Fixture Product Specification

Product Description:	15W LED Bulb 3000K
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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		
	3	Housing	PBT + AL	white	
	4	base	Nickel + PBT		

B、 Structure

Parameter	Units	Min	Rating	Max	Remark
diffuser					PC
Driver			internal		
Installation Method	Rotating Mounting				
length	Mm	132	135	138	
Height	Mm	69	70	71	
Weight	g	72	80	88	

C、 Product Certification

Standards	<input checked="" type="checkbox"/> IEC 60598 Series <input checked="" type="checkbox"/> SASO2870 <input type="checkbox"/> LVD <input type="checkbox"/> IEC 61347 Series <input type="checkbox"/> GB19510 <input type="checkbox"/> IEC62031 <input type="checkbox"/> FCC 47 part15 <input type="checkbox"/> GB/T20145 <input 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
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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	0.112	0.125	0.135	
Power Consumption	W	13.5	15	16.5	
Power Factor	-	0.5			
LED Driver Lifetime			25000h		

E、Light Source Data

LED Specifications	Units	
LED Qty. (pcs)	pcs	24
LED Size	mm	28*35
LM80 Report		Y

F、Optical Data

Parameter	Units	Min	Rating	Max	Remark
Luminous Flux	Lm	1232	1369		
Beam Angle	°	170			
Luminous Efficacy	lm/W	90	100		
Ra	-	80			
Chromaticity Coordinate		<input checked="" type="checkbox"/> CIE standard <input type="checkbox"/> ANSI standard <input type="checkbox"/> JIS standard			
Color Temperature	K		3000K		
SDCM			SDCM ≤7		
Optical Efficiency			>93%		

G、Reliability Data

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

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H、Spectroscopic Data

Parameter	Data	RA=82.3
R1	79	
R2	90	
R3	96	
R4	77	
R5	79	
R6	88	
R7	81	
R8	55	
R9	0	
R10	78	
R11	76	
R12	70	
R13	81	
R14	98	
R15	71	

I、CIE Color Data

Parameter	Rating/Working Condition	Remark
Chromaticity Coordinate	$x = 0.4424$ $y = 0.4090$ / $u' = 0.2520$ $v' = 0.5241$ ($Duv=1.21e-03$)	
Dominate Wavelength	$\lambda_d=582.6nm$ Color Purity=55.6%	
Peak Wavelength	$\lambda_p=601nm$	
FWHM	122.5nm	
Color index	R=22.8% G=74.6% B=2.6%	

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