

# HYUNDAI


**LED Bulb**

**Technical Specification**

## Fixture Product Specification

Product Description:	15W LED Bulb 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		
	3	Housing	PBT + AL 1060	white	
	4	base	Nickel + PBT		

### B、 Structure

Parameter	Units	Min	Rating	Max	Remark
Diffuser					PC
Driver			internal		
Installation Method	Fixed 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		

## 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	1369	1521		
Beam Angle	°	170			
Luminous Efficacy	lm/W	90	100		
Ra	-	82			
Chromaticity Coordinate		<input checked="" type="checkbox"/> CIE standard <input type="checkbox"/> ANSI standard <input type="checkbox"/> JIS standard			
Color Temperature	K		6500K		
UGR			/		
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	

## H. Spectroscopic Data

Parameter	Data	RA=82.3
R1	80	
R2	86	
R3	91	
R4	83	
R5	82	
R6	83	
R7	88	
R8	70	
R9	5	
R10	68	
R11	82	
R12	65	
R13	82	
R14	95	
R15	75	

## I. CIE Color Data

Parameter	Rating/Working Condition	Remark
Chromaticity Coordinate	$x = 0.3167$ $y = 0.3398$ / $u' = 0.1966$ $v' = 0.4746$ (Duv=6.70e-03)	
Dominate Wavelength	$\lambda_d = 496.7\text{nm}$ Color Purity=5.3%	
Peak Wavelength	$\lambda_p = 449\text{nm}$	
FWHM	28.8nm	
Color index	R=13.4% G=81.1% B=5.5%	

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