

HYUNDAI


LED Bulb

Technical Specification

Fixture Product Specification

Product Description:	13W 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 1060	white	
	4	base	Nickel + PBT		

B、 Structure

Parameter	Units	Min	Rating	Max	Remark
Diffuser					PC
Driver			internal		
Installation Method	Rotating Mounting				
length	Mm	114	116	118	
Height	Mm	59	60	61	
Weight	g	45	50	55	

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	230	240	
Supply Frequency	Hz	50	50	50	
Supply Current	A	0.095	0.105	0.115	
Power Consumption	W	11.7	13	14.2	
Power Factor	-	> 0.5			
LED Driver Lifetime			25000h		

E、Light Source Data

LED Specifications	Units	
LED Qty. (pcs)	pcs	18
LED Size	mm	28*35
LM80 Report		Y

F、Optical Data

Parameter	Units	Min	Rating	Max	Remark
Luminous Flux	Lm	972	1080		
Beam Angle	°	120			
Luminous Efficacy	lm/W	80	85		
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	78	
R2	90	
R3	96	
R4	77	
R5	79	
R6	88	
R7	82	
R8	55	
R9	-1	
R10	78	
R11	76	
R12	70	
R13	81	
R14	98	
R15	71	

I、CIE Color Data

Parameter	Rating/Working Condition	Remark
Chromaticity Coordinate	$x = 0.4413$ $y = 0.4094$ / $u' = 0.2511$ $v' = 0.5241$ ($Duv=1.49e-03$)	
Dominate Wavelength	$\lambda_d=582.4nm$ Color Purity=55.3%	
Peak Wavelength	$\lambda_p=600nm$	
FWHM	123.5nm	
Color index	R=22.7% G=74.7% B=2.6%	

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