

# **HYUNDAI**


**LED Candle Light**

**Technical Specification**

**Fixture Product Specification**

Product Description:	4W Candle Light 2700K
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**A、 Appearance Description**

	Component NO	Component Name	Material Technics	Color Effect	Remark
	1	E14 Holder	AL	Silver	
	2	Glass body	Glass	Lucid	
	3	Filament	Phosphor	Yellow	

**B、 Structure**

<b>Driver</b>		Internal Driver			
<b>Installation Method</b>	Rotating Base				
<b>Base Type</b>					E14
<b>Length</b>	Mm	35 ± 2mm	35 ± 2mm	35 ± 2mm	
<b>Height</b>	Mm	96 ± 3mm	96 ± 3mm	96 ± 3mm	
<b>Weight</b>	g	0.013	0.013	0.013	

## C、Product Certification

<b>Standards</b>	<input checked="" type="checkbox"/> IEC 60598 Series <input type="checkbox"/> EMC <input checked="" type="checkbox"/> LVD <input type="checkbox"/> IEC 61347 Series <input type="checkbox"/> GB19510 <input type="checkbox"/> IEC62031 <input type="checkbox"/> FCC 47 part 15 <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	<b>220</b>	<b>220-240V</b>	<b>240</b>	
Supply Frequency	Hz	<b>50</b>	<b>50/60</b>	<b>60</b>	
Supply Current	mA	<b>28</b>	<b>34</b>	<b>37</b>	
Power Consumption	W	<b>3.9W</b>	<b>4W</b>	<b>4.2W</b>	
Power Factor	-		<b>0.5</b>		
THD			<b>&lt;20%</b>		
Surge	KV		<b>0.5</b>		
Thermal Efficiency			<b>85%</b>		
Luminaire Efficiency			<b>81 %</b>		
LED Driver Current	mA		<b>23</b>		
LED Driving Power	W		<b>4W</b>		
LED Driver Efficiency	%		<b>90</b>		
LED Driver Lifetime	hrs		<b>15000</b>		

## E、Light Source Data

LED Specifications	Units	
LED Qty. (pcs)	<b>pcs</b>	<b>27</b>
LED Size	<b>mm</b>	<b>714</b>
LM80 Report		<b>Y</b>

## F、Optical Data

Parameter	Units	Min	Rating	Max	Remark
Luminous Flux	Lm		<b>470</b>		
Beam Angle	°	<b>360</b>	<b>360</b>	<b>360</b>	
Luminous Efficacy	lm/W	<b>100</b>	<b>100</b>	<b>115</b>	
Ra	-		<b>&gt;80</b>		
Chromaticity Coordinate		<input checked="" type="checkbox"/> CIE standard <input type="checkbox"/> ANSI standard <input type="checkbox"/> JIS standard			
Color Temperature	K		<b>2700K</b>		
UGR			/		
SDCM			<b>SDCM ≤6</b>		
Optical Efficiency			<b>&gt;83%</b>		

## G、Reliability Data

Parameter	Units	Rating/Working Condition	Remark
Lifetime	hrs	<b>25000</b>	
Number of Switching Cycles	Times	<b>12500</b>	
Starting Time	s	<b>0.5</b>	
Ability Test	-		
High-low Temperature Cycle Test	-		
High Temperature and Humidity Test	-	-	

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## H、Spectroscopic Data

Parameter	Data	RA=82.3
R1	81	
R2	91	
R3	96	
R4	80	
R5	81	
R6	90	
R7	82	
R8	59	
R9	10	
R10	78	
R11	79	
R12	73.	
R13	83	
R14	99	
R15	75	

## I、CIE Color Data

Parameter	Rating/Working Condition	Remark
Chromaticity Coordinate	$x=0.4601$ $y=0.4176$ $u(u')=0.2595$ $v=0.3533$ $(Duv)'=0.5300$	
Dominate Wavelength	584.2nm	
Peak Wavelength	605nm	
FWHM	124.5nm	
Color index	$R=0.264$ $G=0.715$ $B=0.021$	