

# **HYUNDAI**


**LED T5 Batten**

**Technical Specification**

## Fixture Product Specification

Product Description:	15W LED T5 Batten
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### A、 Appearance Description

	Component NO	Component Name	Material Technics	Color Effect	Remark
	1	Diffuser	PC		
	2	Body	PC		
	3	Connector	PC		

### B、 Structure

Parameter	Units	Min	Rating	Max	Remark
Surface Treatment		PC			
Driver		internal			
Installation Method	Surface Mounting				
length	Mm	879	882	885	
Height	Mm	32	/	36	
Weight	g	100	116	130	

### C、 Product Certification

<b>Standards</b>	<input checked="" type="checkbox"/> IEC 60598 Series <input checked="" type="checkbox"/> EMC <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

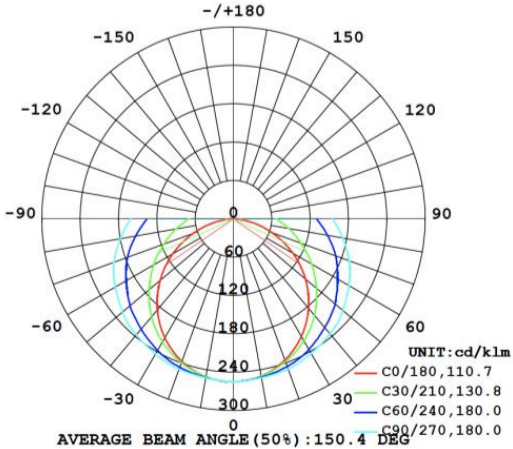
## D、Electronic Data

Parameter	Units	Min	Rating	Max	Remark
Supply Voltage	V	198	220	264	
Supply Frequency	Hz	50	50/60	60	
Supply Current	mA	110	130	150	
Power Consumption	W	13.5	15	16.5	
Power Factor	-	0.5	0.5	/	
Surge	KV	0.5			
Thermal Efficiency			80%		
Luminaire Efficiency			80%		
LED Driver Current	mA		130		
LED Driving Power	W		15		
LED Driver Efficiency	%		80		
LED Driver Lifetime			15000		

## E、Light Source Data

LED Specifications	Units	
LED Qty. (pcs)	pcs	88
LED Size	mm	2835
LM80 Report		Y

## F、Optical Data

Parameter	Units	Min	Rating	Max	Remark
Luminous Flux	Lm	1350	1500	/	
Beam Angle	°	130	150	160	 <p>UNIT: cd/klm            C0/180, 110.7            C30/210, 130.8            C60/240, 180.0            C90/270, 180.0            AVERAGE BEAM ANGLE (50%): 150.4 DEG</p>

Luminous Efficacy	lm/W	<b>90</b>	<b>100</b>	<b>110</b>	
Ra	-		<b>&gt;83</b>		
Chromaticity Coordinate		<input checked="" type="checkbox"/> CIE standard <input type="checkbox"/> ANSI standard <input type="checkbox"/> JIS standard			
Color Temperature	K		<b>2700K-6500K</b>		
SDCM			<b>SDCM ≤6</b>		

## G、Reliability Data

Parameter	Units	Rating/Working Condition	Remark
Life	h	<b>25000</b>	
Number of Switching Cycles	Times	<b>15000</b>	
Starting Time	s	<b>1.0</b>	

## H、Spectroscopic Data

Parameter	Data	RA=83.3
R1	82	<p>1.0 = 1.275e+001lm/m²</p> <p>CIE1931 EVERFINE X = 0.3829 y = 0.3770 CCT = 3934K</p> <p>CIE1931色品图</p>
R2	90	
R3	95	
R4	81	
R5	81	
R6	85	
R7	86	
R8	66	
R9	13	
R10	75	
R11	79	
R12	60	
R13	84	
R14	97	
R15	77	

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## I、CIE Color Data

Parameter	Rating/Working Condition	Remark
Chromaticity Coordinate	$x = 0.3829$ $y = 0.3770$ / $u' = 0.2267$ $v' = 0.5021$ ( $D_{uv} = -6.09e-04$ )	
Dominate Wavelength	<b>579.6nm</b>	
Peak Wavelength	<b>455nm</b>	
FWHM	<b>25.0nm</b>	
Color index	<b>R=18.6% G=77.7%</b>	

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