

HYUNDAI


LED T5 Batten

Technical Specification

Fixture Product Specification

Product Description:	20W 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	1179	1182	1185	
Height	Mm	32	/	36	
Weight	g	130	150	165	

C、 Product Certification

Standards	<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	150	165	180	
Power Consumption	W	18	20	22	
Power Factor	-	0.5	> 0.5	/	
Surge	KV	0.5			
Thermal Efficiency			80%		
Luminaire Efficiency			80%		
LED Driver Current	mA		165		
LED Driving Power	W		20		
LED Driver Efficiency	%		80		
LED Driver Lifetime	hrs		25000		

E. Light Source Data

LED Specifications	Units	
LED Qty. (pcs)	pcs	112
LED Size	mm	2835
LM80 Report		Y

F. Optical Data

Parameter	Units	Min	Rating	Max	Remark
Luminous Flux	Lm	1800	2000	2100	
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	90	100	/	

Ra	-		>83		
Chromaticity Coordinate		<input checked="" type="checkbox"/> CIE standard <input type="checkbox"/> ANSI standard <input type="checkbox"/> JIS standard			
Color Temperature	K		3000K-6500K		
SDCM			SDCM ≤6		
Optical Efficiency			>80%		

G、Reliability Data

Parameter	Units	Rating/Working Condition	Remark
Lifetime	hrs	25000	
Number of Switching Cycles	Times	15000	
Starting Time	s	1.0	

H、Spectroscopic Data

Parameter	Data	RA=83.3
R1	82	
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	

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	579.6nm	
Peak Wavelength	455nm	
FWHM	25.0nm	
Color index	R=18.6% G=77.7%	