

HYUNDAI


LED Slim Panel

Technical Specification

Fixture Product Specification

Product Description:	15W Round Recessed and Surface Panel Light
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A、 Appearance Description

	Component NO	Component Name	Material Technics	Color Effect	Remark
	1	Front rail	PC	white	
	2	Heat dissipating aluminum parts	1060	silvery	
	3	Light guide plate	PS	transparent	
	4	Diffuser	PP	white semitransparent	
	5	Reflective paper	PET	white	
	6	Back board	PC	white	
7	EVA foam	EVA	white		

B、 Structure

Parameter	Units	Min	Rating	Max	Remark
Light guide plate material & Surface Treatment		PS			
Driver		External			Operating Tep: -20°C-45°C
Wire way					
Installation Method	Recessed				
Diameter	Mm	165	170	175	
Height	Mm	6.8	9.8	12.8	
Weight	g	163	193	223	

C、Product Certification

Standards	<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	

D、Electronic Data

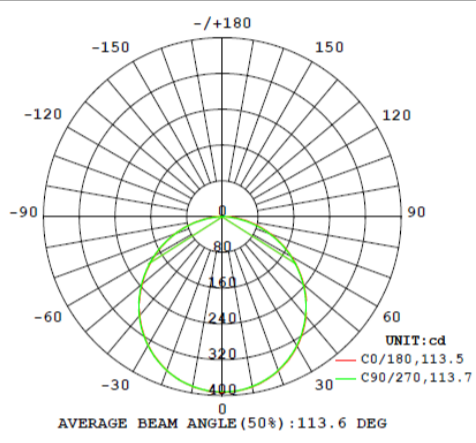
Parameter	Units	Min	Rating	Max	Remark
Supply Voltage	V	85	110-240	330	
Supply Frequency	Hz		50/60		
Supply Current	mA	55.8	62	68.2	
Power Consumption	W	13.5	15	16.5	
Power Factor	-	0.92			
THD			<20%		
Surge	KV		2.5KV		
Thermal Efficiency			>85%		
Luminaire Efficiency			>88%		
LED Driver Current	mA	216	240	264	
LED Driving Power	V	12.2	13.5	14.9	
LED Driver Efficiency	%	85			Noise≤24dB/1m
LED Driver Lifetime			25000		
Driver Luminaire TC			85°C		
Overload shortcut protection					Yes

Fixture Product Specification

E、Light Source Data

LED Specifications	Units	
LED Qty. (pcs)	pcs	76
LED Size	mm	4014
LM80 Report		Y

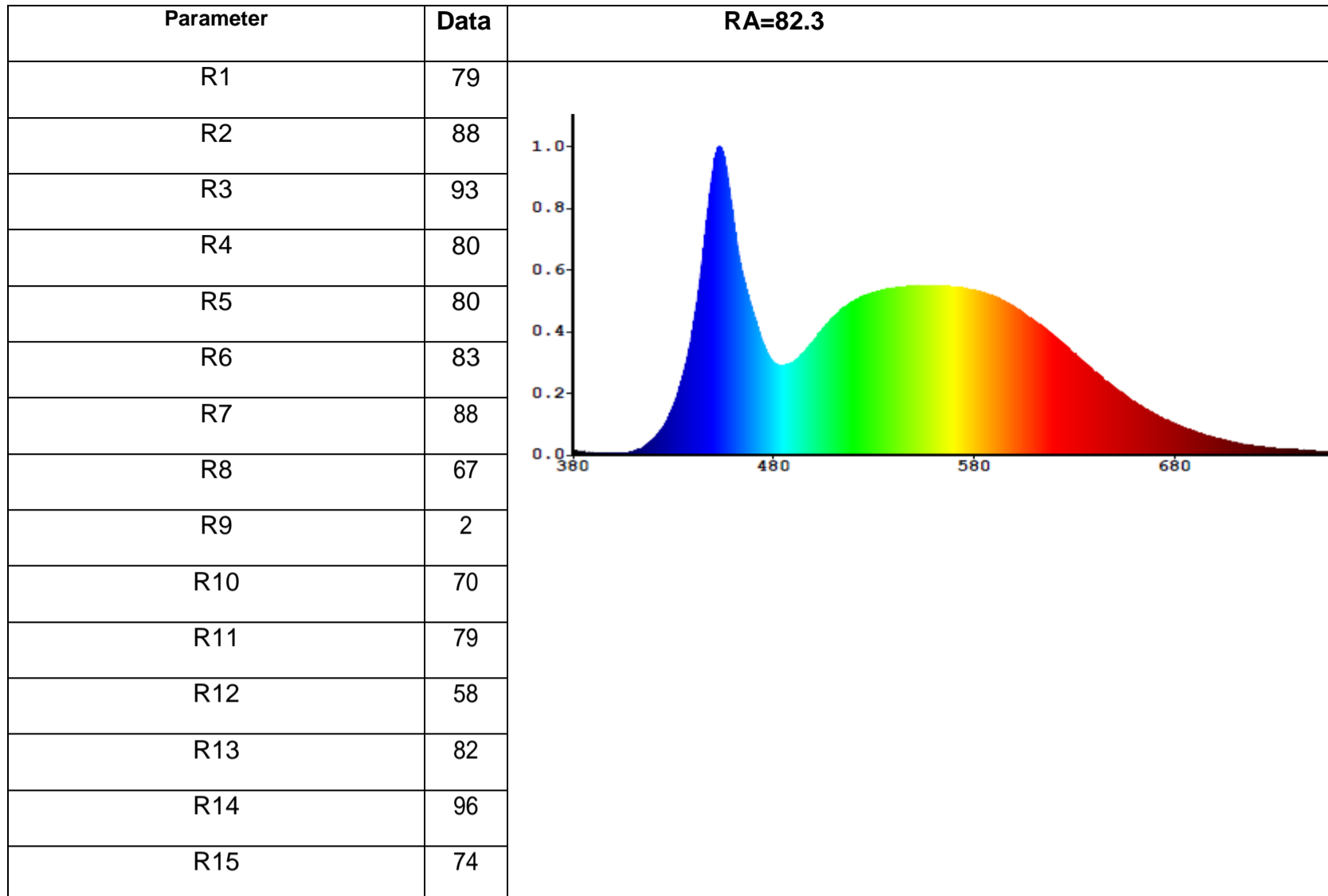
F、Optical Data

Parameter	Units	Min	Rating	Max	Remark
Luminous Flux	Lm	1215		1350	
Beam Angle	°	100		110	 <p>UNIT: cd C0/180, 113.5 C90/270, 113.7 AVERAGE BEAM ANGLE (50%) : 113.6 DEG</p>
Luminous Efficacy	lm/W	85	>85	90	
Ra	-		>80		
Chromaticity Coordinate		<input checked="" type="checkbox"/> CIE standard <input type="checkbox"/> ANSI standard <input type="checkbox"/> JIS standard			
Color Temperature	K		3000k/4000K/6500k		
UGR			<19		

G、Reliability Data

Parameter	Units	Rating/Working Condition	Remark
Life	hrs	25000	
Number of Switching Cycles	Times	15000	30S ON 30S OFF
Starting Time	s	0.55	
Ability Test	-	PASS	
High-low Temperature Cycle Test	-	PASS	
High Temperature and Humidity Test	-	PASS	

H、Spectroscopic Data



I、CIE Color Date

Parameter	Rating/Working Condition	Remark
Chromaticity Coordinate	$x = 0.3192$ $y = 0.3428$ / $u' = 0.1972$ $v' = 0.4765$ ($Duv=6.98e-03$)	
Dominate Wavelength	$\lambda_d=500.5nm$ Color Purity=4.3%	
Peak Wavelength	$\lambda_p=453nm$	
FWHM	26.1nm	
Color index	R=13.4% G=81.1% B=5.5%	

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