

# HYUNDAI


LED Slim Panel

Technical Specification

**Fixture Product Specification**

Product Description:	25W Square surface Panel Light
----------------------	--------------------------------

**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, PS clear			
Driver	-	External			Operating Tep: -20°C-45°C
Wire way	0.5*2mm <sup>2</sup> PVC 105				
Installation Method	surface mounted				
Diameter	Mm	215	225	235	
Height	Mm	35	39	43	
Weight	g	444	494	544	

### 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"/> UL1310	<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

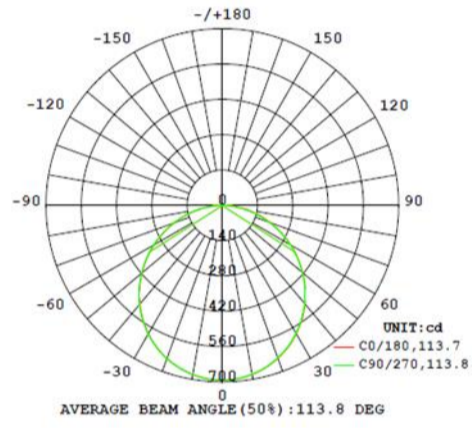
Parameter	Units	Min	Rating	Max	Remark
Supply Voltage	V	<b>85</b>	<b>100-240</b>	<b>330</b>	
Supply Frequency	Hz		<b>50/60</b>		
Supply Current	mA	<b>99</b>	<b>110</b>	<b>121</b>	
Power Consumption	W	<b>22.5</b>	<b>25</b>	<b>27.5</b>	
Power Factor	-	<b>0.9</b>			
THD			<b>&lt;20%</b>		
Surge	KV		<b>2.5KV</b>		
Thermal Efficiency			<b>&gt;85%</b>		
Luminaire Efficiency			<b>&gt;88%</b>		
LED Driver Current	mA	<b>265.5</b>	<b>295.0</b>	<b>324.5</b>	
LED Driving Power	V	<b>20.4</b>	<b>22.7</b>	<b>25.0</b>	
LED Driver Efficiency	%	<b>85</b>			<b>Noise≤24dB/1m</b>
LED Driver Lifetime			<b>25000</b>		
Driver Luminaire TC			<b>85°C</b>		
Overload shortcut protection					<b>Yes</b>

## Fixture Product Specification

### E、Light Source Data

LED Specifications	Units	
LED Qty. (pcs)	pcs	92
LED Size	mm	4014
LM80 Report		Y

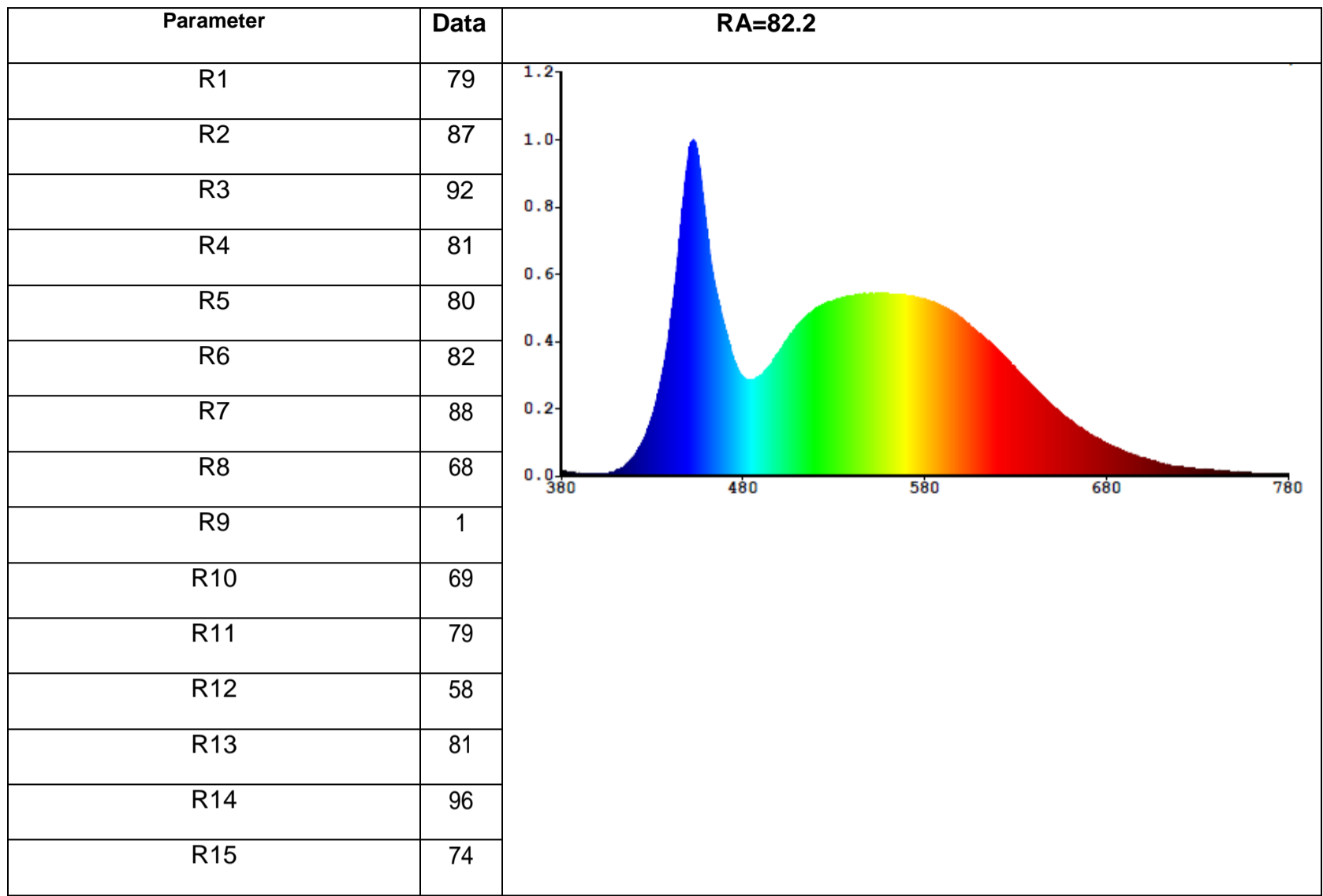
### F、Optical Data

Parameter	Units	Min	Rating	Max	Remark
Luminous Flux	Lm	2025	2250	2280	
Beam Angle	°	100		110	 <p>UNIT:cd            C0/180,113.7            C90/270,113.8            AVERAGE BEAM ANGLE(50%):113.8 DEG</p>
Luminous Efficacy	lm/W	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	
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	$x = 0.3168$ $y = 0.3400$ / $u' = 0.1966$ $v' = 0.4747$ ( $Duv=6.74e-03$ )	
Dominate Wavelength	$\lambda_d=496.9nm$ Color Purity=5.2%	
Peak Wavelength	$\lambda_p=453nm$	
FWHM	26.3nm	
Color index	R=13.3% G=81.2% B=5.5%	