

HYUNDAI


LED PANEL

Technical Specification

Fixture Product Specification

Product Description:	25W Square Recessed 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, PS clear			
Driver	-	External			Operating Tep: -20°C-45°C
Wire way	0.5*2mm ² PVC 105				
Installation Method	Recessed				
Diameter	Mm	215	225	235	
Height	Mm	6.9	9.9	12.9	
Weight	g	329	379	429	

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"/> 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	85	110-240	330	
Supply Frequency	Hz		50/60		
Supply Current	mA	99	110	121	
Power Consumption	W	22.5	25	27.5	
Power Factor	-	0.92			
THD			<20%		
Surge	KV		2.5KV		
Thermal Efficiency			>85%		
Luminaire Efficiency			>88%		
LED Driver Current	mA	265.5	295.0	324.5	
LED Driving Power	V	20.4	22.7	25.0	
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	92
LED Size	mm	4014
LM80 Report		Y

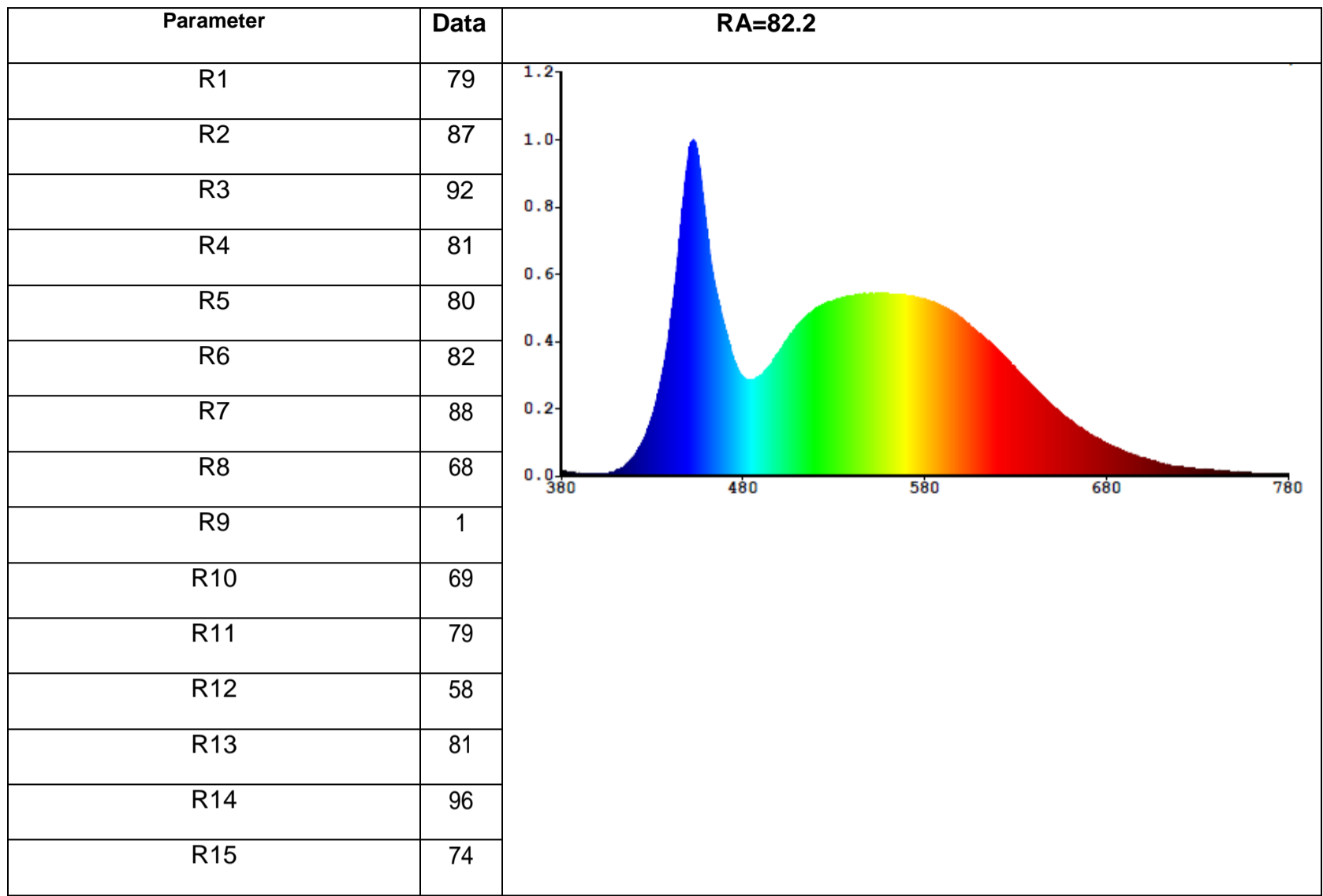
F、Optical Data

Parameter	Units	Min	Rating	Max	Remark
Luminous Flux	Lm	2025	2250	2280	
Max Luminous Intensity	Cd				
Beam Angle	°	100		110	
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	h	25000	
Number of Switching Cycles	Times	15000	30S ON 30S OFF
Starting Time	s	2	
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%	