

HYUNDAI


LED 18W Integrated
Slim Panel

Technical Specification

Fixture Product Specification

Product Description:	18W Integrative panel lights
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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	PMMA	transparent	
	4	Diffuser	PMMA	white semitransparent	
	5	Reflective paper	PET	white	
	6	Back board	PC	white	

B、Structure

Parameter	Units	Min	Rating	Max	Remark
Weight	g				
Surface Treatment	-				
Driver	-		Built-in non-isolated		
External Wire Diameter, Insulation Material And Temperature	-		Wired		
Protected Grade	-		IP20		
Installation Method	-		Recessed		

C、Product Certificate

Standards	<input checked="" type="checkbox"/> IEC 60598 Series	<input type="checkbox"/> UL1598	<input type="checkbox"/> GB7000 Series
	<input checked="" type="checkbox"/> IEC 61347 Series	<input type="checkbox"/> UL1310	<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 checked="" type="checkbox"/> IEC 61000- 3- 2/ 3	<input checked="" type="checkbox"/> IEC 61547	

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D、Electronic Data

Parameter	Units	Min	Rating	Max	Remark
Supply Voltage	V	100		240	
Supply Frequency	Hz		50/60		
Supply Current	mA	80		220	
Power Consumption	W	16.2	18	19.8	
Power Factor	-	0.9			
THD	%	23.1		23.5	
Flickering	%				No flicker
LED Driver Current	mA	238.5	265.0	291.5	
LED Driving Power	W	16.2	18.0	19.8	
LED Driver Efficiency	%	85			
Work Temperature	C°	-20		40	
Storage Temperature	C°	-20		40	

E、Light Source Data

LED Model	-	2835
LED Vendor	-	SMD
LM80 Report	-	YES

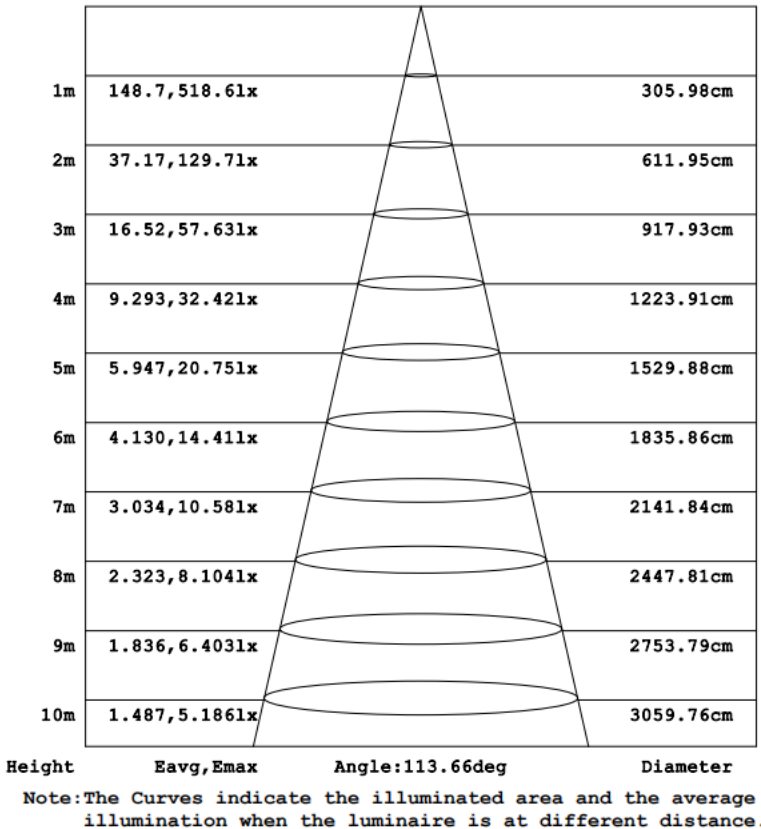
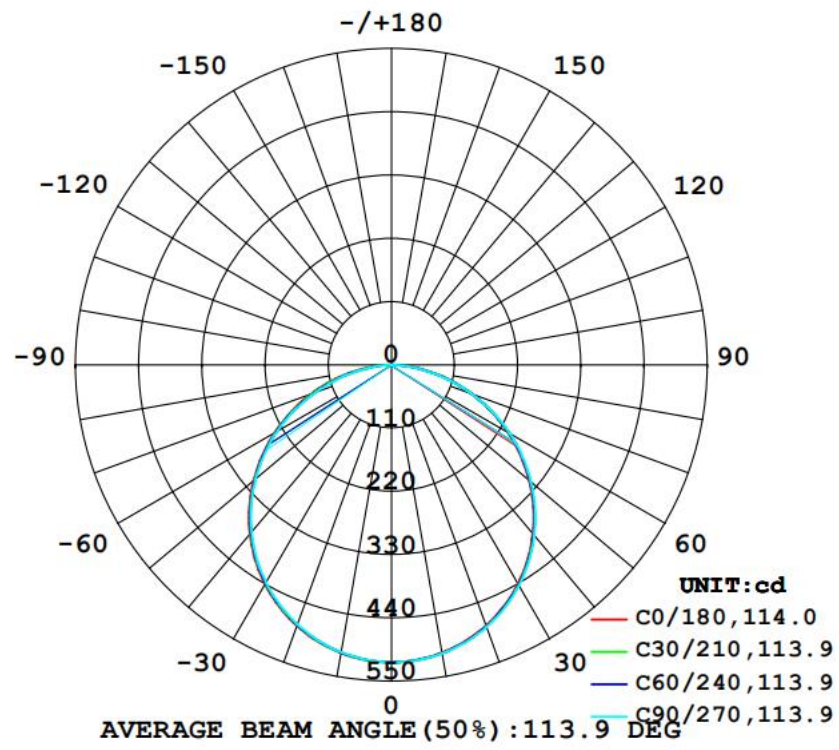
F、Electronic Data

Parameter	Units	Min	Rating	Max	Remark
Luminous Flux	lm	1360	1440	1700	
Max Luminous Intensity	Cd				
Beam Angle	°		100		
Luminous Efficacy	lm/W	80	85		
SDCM	-	4.1	4.5	4.7	
CRI	-	80			
Dominant Wavelength	nm				
Light Radiation Grade	-				

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Chromaticity Coordinate		<input checked="" type="checkbox"/> CIE standard	<input type="checkbox"/> ANSI standard	<input type="checkbox"/> JIS standard
Color Temperature	K	4000k/6500k		
Lumen Maintenance		>90% at 6000H		
Dimming Range	%			Non-dimmable

Light Distribution Curve



G. Electronic Data

Parameter	Units	Rating/Working Condition	Remark
Lifetime	h	15000	
Number of Switching Cycles	Times	7500	
Starting Time	s	0.4	
Ability Test	-	PASS	
High-low Temperature Cycle Test	-	PASS	
High Temperature and Humidity Test	-	PASS	

