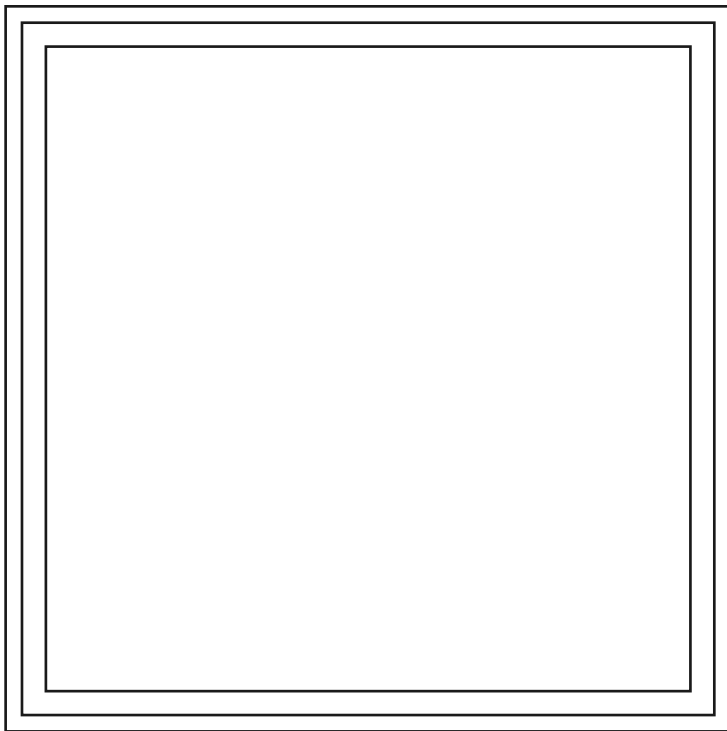


Panel Light

Technical Datasheet



PRODUCT FEATURES

- High Efficiency Panel
- Ultra slim body 7mm
- Flicker free LED driver,
- Available with emergency kit
- Available with surface mounting frame

48W

4000K-6500K

PANEL LIGHT

48W
4000K-6500K

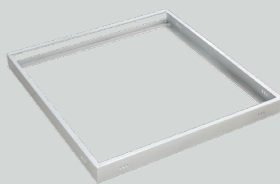


220-240V



white

ACCESSORY



Frame



Emergency Pack

A APPEARANCE DESCRIPTION

<u>Component NO</u>	<u>Component Name</u>	<u>Material Technics</u>	<u>Color Effect</u>	<u>Remark</u>
1	Diffuser	PP	White milky	
2	Light guide Panel	MAS/PMMA	Clear	
3	Reflective paper	PET	White	
4	Back board	Alloy	Gray	
5	Frame	AL	White	
6	LED Chips	Semiconductor		
7	PCB board	AL		
8	PCB board	PVC	White	



B PRODUCT CERTIFICATION

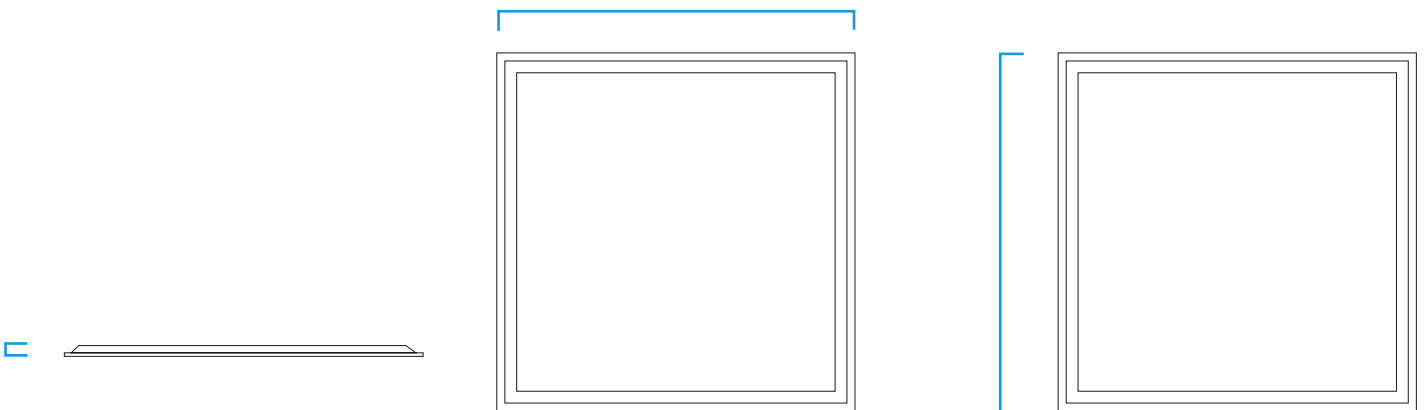
<input checked="" type="checkbox"/> IEC60598 SERIES	<input type="checkbox"/> UL1598	<input checked="" type="checkbox"/> RoHS
<input checked="" type="checkbox"/> IEC 61347 SERIES	<input checked="" type="checkbox"/> IEC 61347-2-13	<input type="checkbox"/> GB19510
<input checked="" type="checkbox"/> IEC62031SERIES	<input checked="" type="checkbox"/> IEC 62778	<input type="checkbox"/> SA50 2902
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<input checked="" type="checkbox"/> EN61000-3-2/3	<input checked="" type="checkbox"/> IEC61547	<input checked="" type="checkbox"/> EMC

C LIGHT SOURCE DATA

<u>LED Specifications</u>	<u>Units</u>	<u>Rating</u>
LED Qty.(pcs)	PCS	224
LED Size	mm	4014
LM80 Report	-	Y

D STRUCTURE

Parameter	Units	Min	Rating	Max	Remark
Light guide plate material	-	zz			
Weight	g	2003	2005	2005	
Length	mm		595x595		
Height	mm		7	8	
driver	-	External			
Installation Method	Recessed				
IP		20		40	



7

height

595

Length

595

width

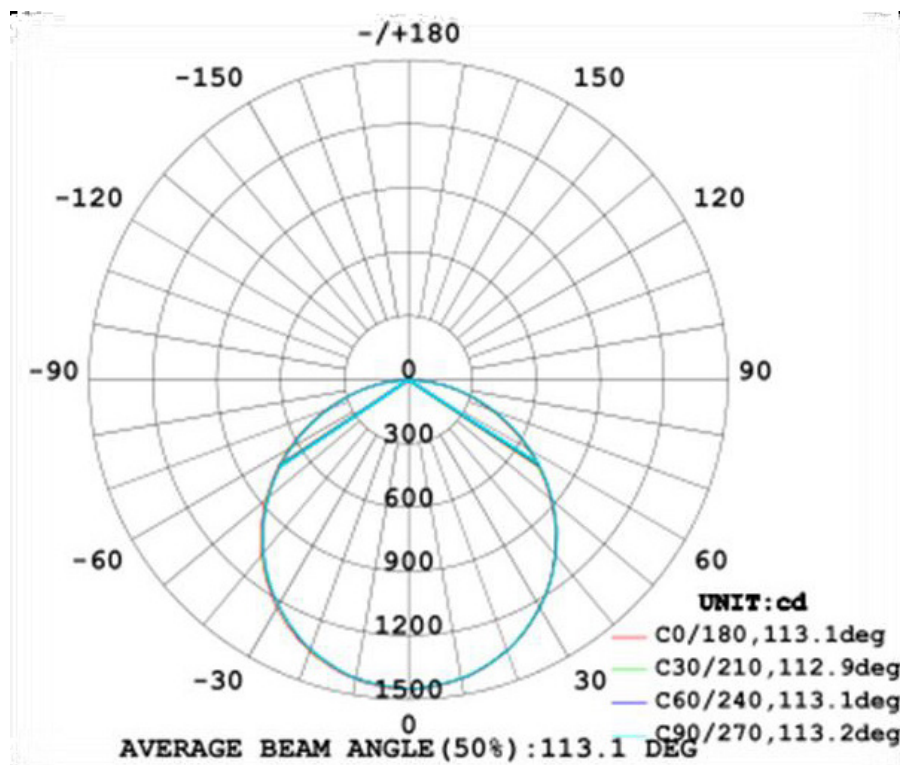
E ELECTRIC DATA

<u>Parameter</u>	<u>Units</u>	<u>Min</u>	<u>Rating</u>	<u>Max</u>	<u>Remark</u>
Supply Voltage	V	220	230	240	
Supply Frequency	Hz	48	50/60	61	
Supply Current	A	0.126		0.242	
Power Consumption	W	45	48	48.5	
Power Factor	-	0.92	0.95	0.95	
THD				<20%	
Surge Protection	KV	1		1.5	
Thermal Efficiency	%		86		
Luminaire Efficiency	%		91		
LED Driving Current	mA	950	1000	1050	
LED Driver voltage	V	27		44.5	
LED Driver Efficiency	%	84	87	92	
Work Temperature	°C	-20		40	
Storage Temperature	°C	-20		55	
LED Driver Lifetime	Hrs.		35000		
Driver Luminaire TC	°C		90		
Overload shortcut protection					Yes

G OPTICAL DATA

Parameter	Units	Min	Rating	Max	Remark
Luminous Flux	lm	4350	4600	4750	
Luminous Efficacy	lm/W	91	95.8	99	
SDCM	-		SDCM≤6		
CRI	Ra		>80		
Chromaticity Coordinate		<input checked="" type="checkbox"/> CIE	<input type="checkbox"/> ASNI	<input type="checkbox"/> JIS	
Color Temperature	K		4000K-6500K		
Optical Efficiency			>85%		
Beam Angle	°	80	100	110	
UGR			<22		

Beam Angle





RELIABILITY DATA

<u>Parameter</u>	<u>Units</u>	<u>Rating/Working Condition</u>	<u>Remark</u>
Lifetime	hrs	3000	
Number of Switching Cycles	Times	15000	
Starting Time	s	0.5-2	
Ability Test	-	yes	
High-low Temperature Cycle Test	-	yes	
High Temperature and Humidity Test	-	yes	

HYUNDAI
LIGHTING

Panel Light
Technical Datasheet