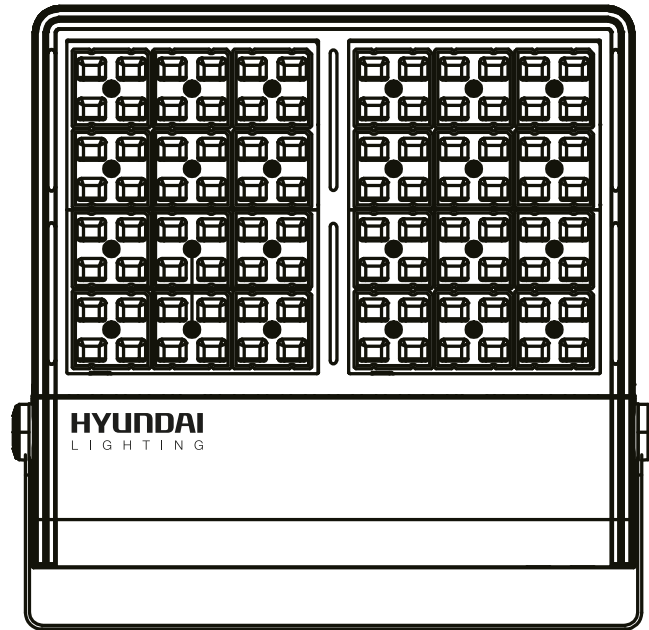


HYUNDAI

L I G H T I N G



Flood Light


220W

5700K

Technical Datasheet

Product Description	220W LED Flood Light	ID	
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A、 Appearance Description

 <p>381*381*89mm</p>	Component No.	Component Name	Material Technics	Color Effect	Remark
	1	Front rail	Di-Casting Aluminum	Black	
	2	Heat dissipating aluminum parts	Di-Casting Aluminum	Black	
	3	Diffuser	Lenses & glass		
	4	lens	PC/PMMA		
	5	Gland	stainless Steel	Silver	

B、 Structure

Parameter	Units	Min	Rating	Max	Remark
Diffuser		Glass / Lenses			
Weight	Kg	6.55	6.55	6.55	
Length	mm	381	381	381	
Height	mm	89	89	89	
Driver	-	Internal (MeanWell)			
Installation Method		Multi			

C、 Product Certificate

Standards	<input checked="" type="checkbox"/> IEC60598 Series	<input type="checkbox"/> UL1598	<input type="checkbox"/> RoHS
	<input type="checkbox"/> IEC61347 Series	<input type="checkbox"/> UL1310	<input type="checkbox"/> GB19510
	<input checked="" type="checkbox"/> IEC62031 Series	<input type="checkbox"/> FCC 47 part 15	<input type="checkbox"/> GB/T20145
	<input checked="" type="checkbox"/> IEC62471	<input type="checkbox"/> CISPR15	<input checked="" type="checkbox"/> LVD
	<input type="checkbox"/> EN61000-3-2/3	<input type="checkbox"/> IEC61547	<input checked="" type="checkbox"/> EMC

D、 Electronic Data					
Parameter	Units	Min	Rating	Max	Remark
Supply Voltage	V	100	220-240	277	
Supply Frequency	Hz	50	50/60	60	
Supply Current	A	1.16	1.05	0.96	
Power Consumption	W	215	220	220	
Power Factor	-	0.95	>0.95		
THD		3%	<10%	10%	
Surge Protection	KV		5		
IP			65		
IK			08		
Thermal Efficiency	%		90		
Luminaire Efficiency	%		81		
LED Driver Current	mA		4000		
LED Driving voltage	V		48		
LED Driver Efficiency	%		90		
Work Temperature	°C	-20		60	
Storage Temperature	°C	-20		60	
LED Driver Lifetime	Hrs			50000	
Driver Luminaire TC	°C			90	
Overload shortcut protection					Yes
E、 Light Source Date					
LED Specifications	Units				
LED Size	mm	5050			
LED Qty. (pcs)	PCS	96			
LM80 Report	-	Y			
LED Manufacturer		Luminus			

F _v Optical Data	Units	Min	Rating	Max	Remark
Luminous Flux	Lm		30891.8		
Luminous Efficacy	lm/W	135	>140		
Chromaticity Coordinate	<input checked="" type="checkbox"/> CIE <input type="checkbox"/> ANSI <input type="checkbox"/> JIS				
Color Temperature	K		5700K		
CRI	Ra		>80		
UGR		<22			
SDCM			SDCM ≤5		
Optical Efficiency			>83%		
Beam Angle					
Beam Angle		65°	69.5°	75°	

G、 Reliability Data

Parameter	Units	Rating/Working Condition	Remark
Lifetime	hrs	50000	
Number of Switching Cycles	Times	25000	
Starting Time	s	0.55-1	
Ability Test	-	yes	
High-low Temperature Cycle Test	-	yes	
High Temperature and Humidity Test	-	yes	

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%	

H、 Spectroscopic Data

Parameter	Data	Ra = 82.3
R1	79	
R2	88	
R3	93	
R4	80	
R5	80	
R6	83	
R7	88	
R8	67	
R9	2	
R10	70	
R11	79	
R12	58	
R13	82	
R14	96	
R15	74	