

LED Flood Light 100W

Technical Specification

Fixture Product Specification

Product Description: **100W LED flood Light**

A、 Appearance Description



Component NO	Component Name	Material Technics	Color Effect	Remark
1	Cover	PC	White translucent	
2	Reflective	PC	Clear	
3	housing	Di-casting aluminum	Black	
4	Stent	Iron	Black	

B、 Structure

Parameter	Units	Min	Rating	Max	Remark
Cover			PC		
Installation Method					Multi-purpose
length	mm		282x220		
Height	mm	66	68	70	
Weight	g	2050	2100	2150	

C、 Product Certification

Standards	<input checked="" type="checkbox"/> IEC 60598 Series	<input checked="" type="checkbox"/> EMC	<input checked="" type="checkbox"/> LVD
	<input type="checkbox"/> IEC 61347 Series	<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 checked="" type="checkbox"/> RoHS
	<input checked="" type="checkbox"/> IEC 61000-3-2/3	<input type="checkbox"/> IEC 61547	

D、 Electronic Data

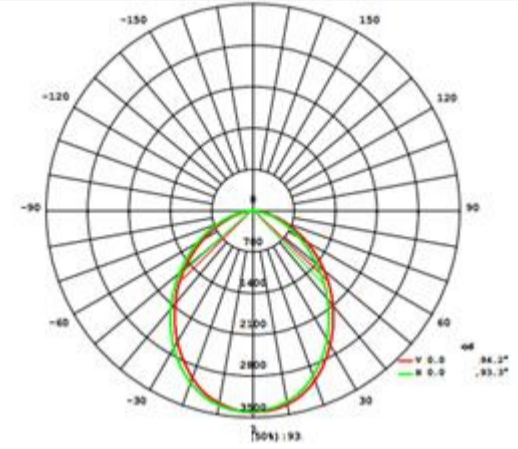
Parameter	Units	Min	Rating	Max	Remark
Supply Voltage	V	100	230	240	
Supply Frequency	Hz	47	50	55	
Supply Current	A	1	0.39	0.41	
Power Consumption	W	90	100	110	
Power Factor	-	0.9	0.97	1	
THD				<20%	
Surge	KV		2.5		
Thermal Efficiency	%		86		
Luminaire Efficiency	%		100		
LED Driver Current	mA	190	210	230	
LED Driving Power	V	86	95	104	
LED Driver Efficiency	%	92	95	97	
Operating Temp.	C°	-20	25	50	
Storage Temp.	C°	-20	25	60	
LED Driver Lifetime			30000		
Driver Luminaire TC	C°		70		

E、 Light Source Data

LED Specifications	Units	
LED Qty. (pcs)	pcs	100
LED Size	mm	2835
LM80 Report	Y	

F、 Optical Data

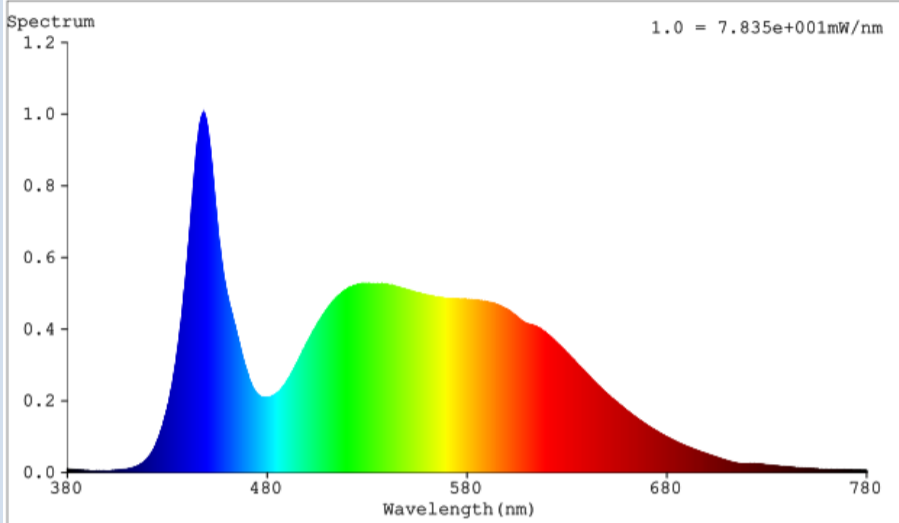
Parameter	Units	Min	Rating	Max	Remark
Luminous Flux	Lm	9000	10000	11000	
Beam Angle	°	80	90	100	
Luminous Efficacy	lm/W	90	100	110	
CRI	-		>80		
Chromaticity Coordinate		<input checked="" type="checkbox"/> CIE standard <input type="checkbox"/> ANSI standard <input type="checkbox"/> JIS Standard			
Color Temperature	K		3000K-6500K		
UGR					
SDCM			SDCM ≤6		
Optical Efficiency			>85%		



G、 Reliability Data

Parameter	Units	Rating/Working Condition	Remark
Lifetime	Hrs.	30000	
Number of Switching Cycles	Times	25000	
Starting Time	s	0.5-2	
Ability Test		Yes	
High-low Temperature Cycle Test		Yes	
High Temperature and Humidity Test		Yes	

H、Spectroscopic Data

Parameter	Data	Ra=81
R1	81	
R2	85	
R3	88	
R4	85	
R5	82	
R6	81	
R7	89	
R8	72	
R9	11	
R10	65	
R11	84	
R12	60	
R13	82	
R14	94	
R15	76	

I、CIE Color Data

Parameter	Rating/Working Condition	Remark
Chromaticity Coordinate	$x = 0.3220$ $y = 0.3455$ / $u' = 0.1981$ $v' = 0.4782$ ($Duv=6.96e-03$)	
Dominate Wavelength	$\lambda_d=506.5nm$ Purity=3.4%	
Peak Wavelength	$\lambda_p=448nm$	
FWHM	21.3nm	
Color index	R=13.9% G=81.3% B=4.8%	

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