

HYUNDAI

LED LowBay 100W

Technical Specification

Fixture Product Specification

Product Description: **100W LED LowBay**

A、 Appearance Description



Component NO	Component Name	Material Technics	Color Effect	Remark
1	Heat sink	1060AL		
2	Cover	PC	White	
3	Driver housing	PC	White	
5	Frame	AL	White	
6	Reflector	PC		
7	PCB board	CEM-1		

B、 Structure

Parameter	Units	Min	Rating	Max	Remark
Cover					
Driver			Internal		
Installation Method					suspended
length	mm		190		
Height	mm		270		
Weight	g	835	855	870	

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"/> GB19510	
	<input type="checkbox"/> IEC62031	<input type="checkbox"/> FCC47 part15	<input type="checkbox"/> GB/T20145
	<input type="checkbox"/> IEC 62471	<input type="checkbox"/> CISPR15	<input checked="" 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	220	230	240	
Supply Frequency	Hz	50	50/60	60	
Supply Current	mA	352	391	434	
Power Consumption	W	90	100	103	
Power Factor	-	0.90	0.92	0.95	
THD		/	/	/	
Surge	KV		0.5		
Thermal Efficiency	%		86		
Luminaire Efficiency	%		91		
LED Driver Current	mA	201	223	248	
LED Driving voltage	V	396	405	410	
LED Driver Efficiency	%	89	91	92	
Operating Temp.	C°	-20		40	
Storage Temp.	C°	-20		40	
LED Driver Lifetime			25000		
Driver Luminaire TC	C°		90		
Overload shortcut protection					Yes

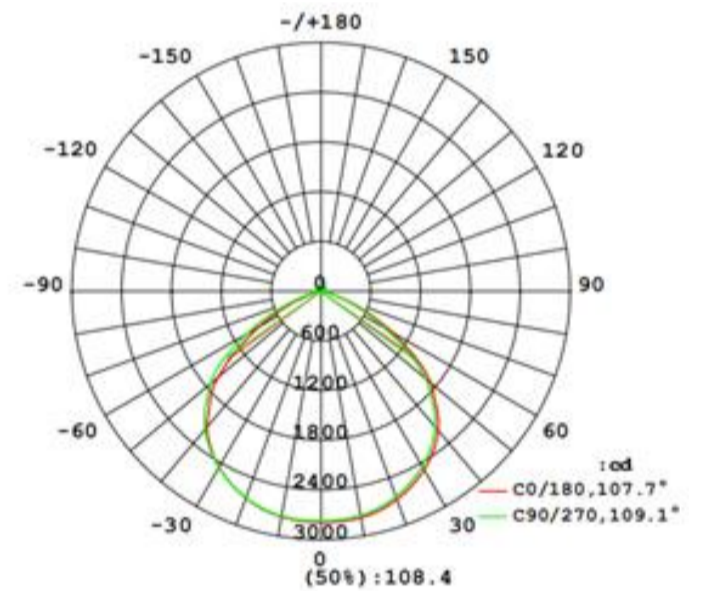
E、Light Source Data

LED Specifications	Units	
LED Qty. (pcs)	pcs	135
LED Size	mm	2835
LM80 Report		Y

F、Optical Data

Parameter	Units	Min	Rating	Max	Remark
Luminous Flux	Lm	8100	9000	10000	
			108		

Beam Angle ° 86 135

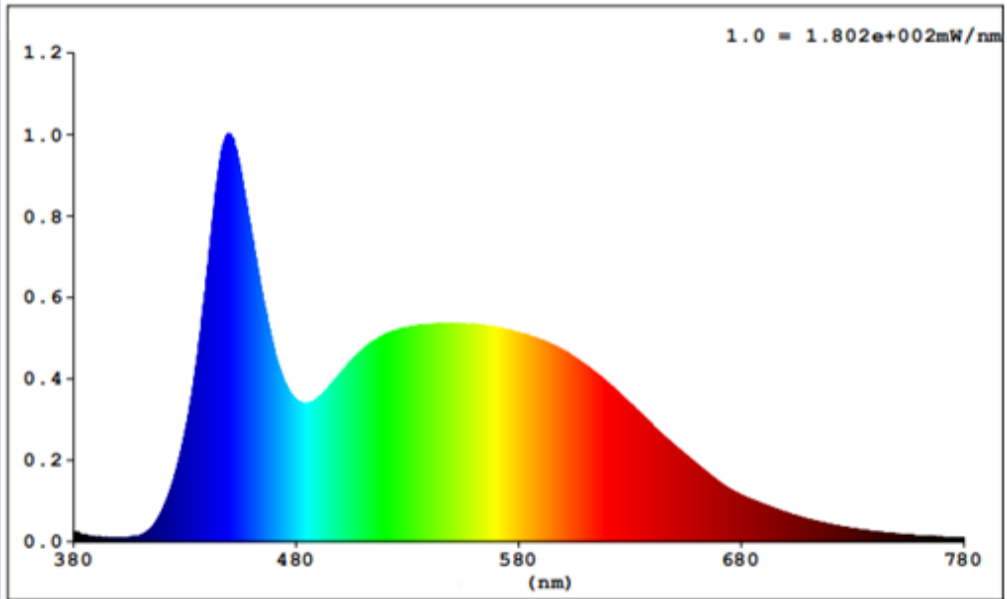


Luminous Efficacy	lm/W	81	90	100
CRI	Ra		>80	
Chromaticity Coordinate		<input checked="" type="checkbox"/> CIE standard	<input type="checkbox"/> ANSI standard	<input type="checkbox"/> JIS Standard
Color Temperature	K		6500K	
UGR			<22	
SDCM			SDCM ≤6	
Optical Efficiency			>89%	

G、 Reliability Data

Parameter	Units	Rating/Working Condition	Remark
Lifetime	Hrs.	25000	
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	85	
R2	90	
R3	92	
R4	87	
R5	86	
R6	86	
R7	91	
R8	76	
R9	27	
R10	75	
R11	86	
R12	66	
R13	87	
R14	96	
R15	82	

I、CIE Color Data

Parameter	Rating/Working Condition	Remark
Chromaticity Coordinate	$x = 0.3075$ $y = 0.3231$ / $u' = 0.1964$ $v' = 0.4644$ ($Duv=2.62e-03$)	
Dominate Wavelength	$\lambda_d=486.5nm$ Purity=9.5%	
Peak Wavelength	$\lambda_p=450nm$	
FWHM	32.1nm	
Color index	R=14.8% G=79.5% B=5.7%	

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