

HYUNDAI

LED Waterproof (Tri-proof) Luminaire 60W

Technical Specification

Fixture Product Specification

Product Description:	LED Waterproof (Tri-proof) Luminaire 60W 4000K/ 6000K
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A、 Appearance Description

	Component NO	Component Name	Material Technics	Color Effect	Remark
	1	Baking finish base	Aluminum	Silver	
	2	cover	PC	Milky white	
	3	Waterproof Gasket	Silicon	Milky white	
	4	Accessories	Fe	Silver	

B、 Structure

Parameter	Units	Min	Rating	Max	Remark
Diffuser		PC			
Driver		internal			
Installation Method	Fixed Mounting / suspended mounting				
length	mm		1200		
Height	mm		700		
Weight	g		1580	1590	

C、Product Certification

Standards	<input checked="" type="checkbox"/> IEC 60598 Series	<input checked="" type="checkbox"/> EMC	<input type="checkbox"/> LVD
	<input type="checkbox"/> IEC 61347 Series	<input type="checkbox"/> GB19510	
	<input checked="" type="checkbox"/> CE (standard)	<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 type="checkbox"/> IEC 61000-3-2/3	<input type="checkbox"/> IEC 61547	

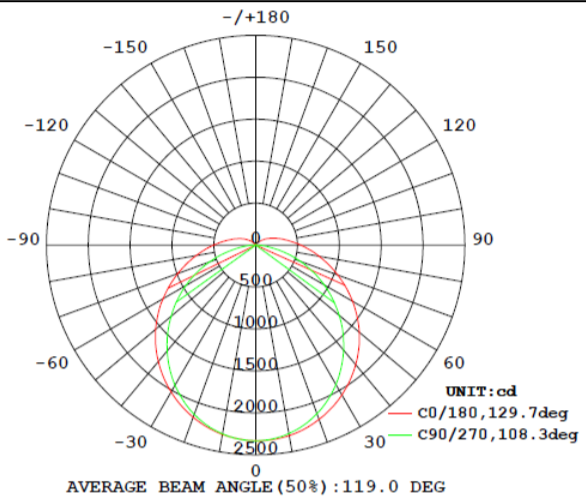
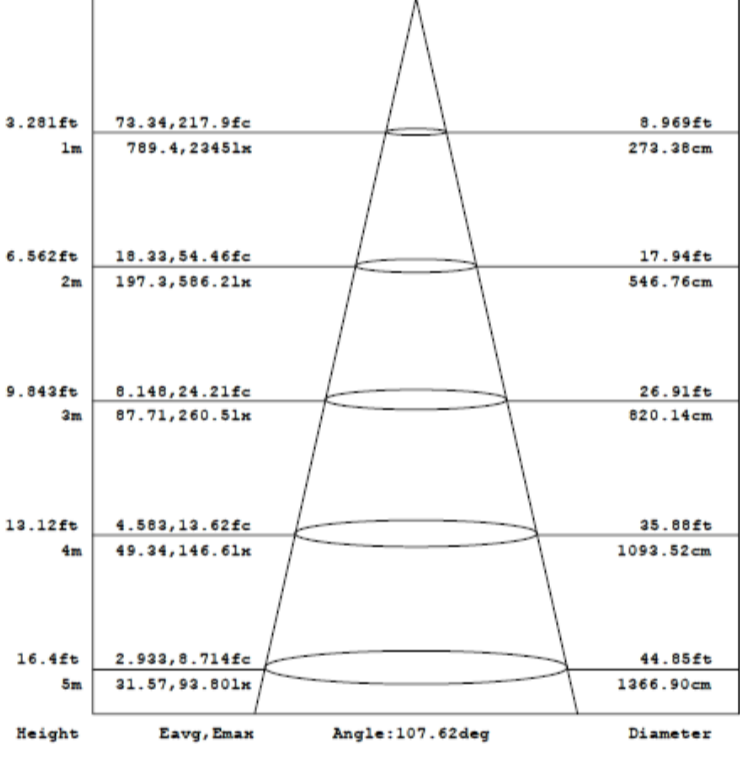
D、Electronic Data

Parameter	Units	Min	Rating	Max	Remark
Supply Voltage	V	100	110-240	264	
Supply Frequency	Hz	50	50/60	60	
Supply Current	mA	265	288	295	
Power Consumption	W	59	60	62	
Power Factor	-	0.95			
Operating temp.	C°	-20	45	55	
Storage Temp	C°	-20	45	65	
LED Driver Efficiency	%		90%		
LED Driver Lifetime	Hrs.		40000		
IP			65		
Class		II			
Driver Luminaire TC			75C°		

E、Light Source Data

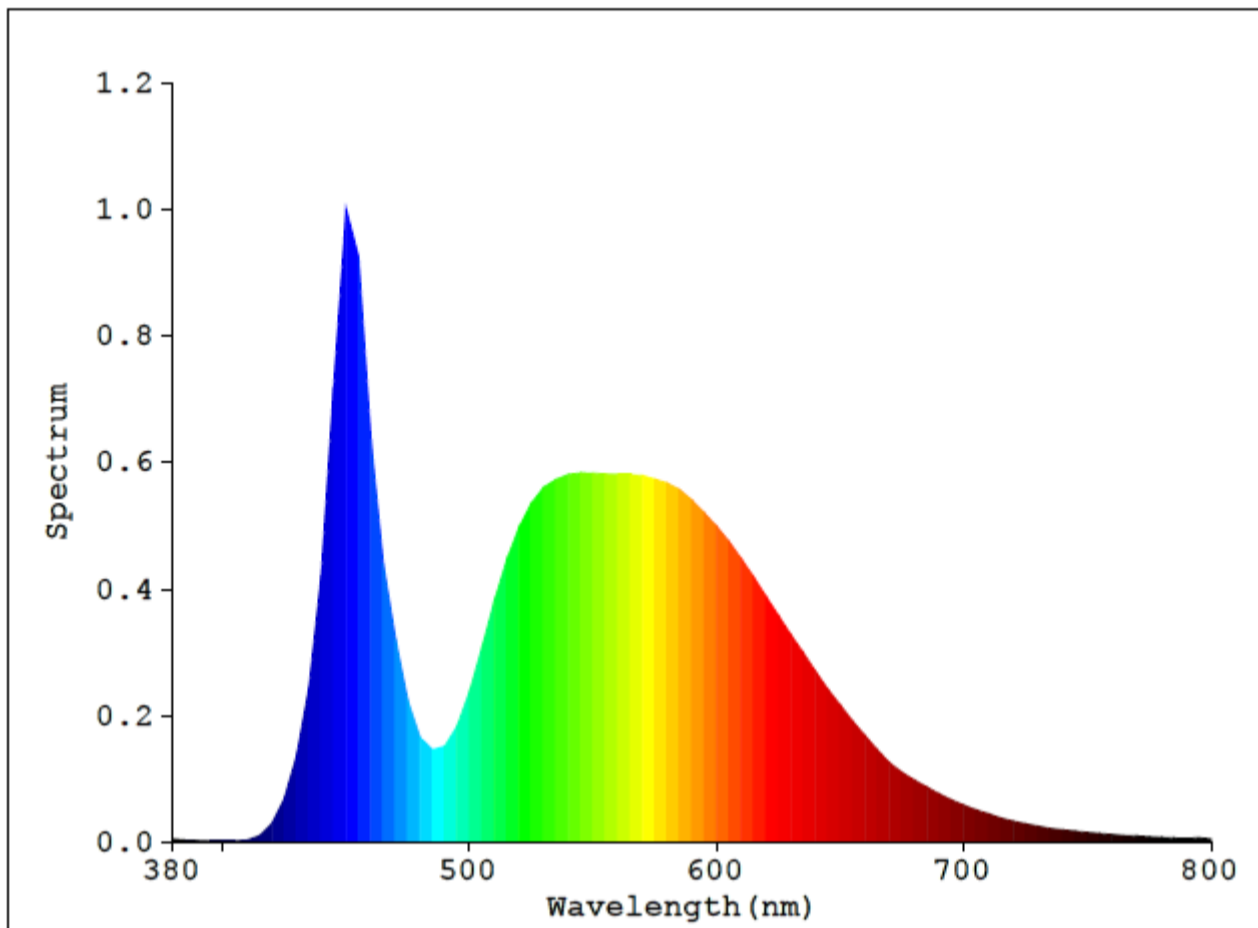
LED Specifications	Units	
LED Qty. (pcs)	pcs	264
LED Size	mm	2535
LM80 Report		Y

F、Optical Data

Parameter	Units	Min	Rating	Max	Remark																								
Luminous Flux	Lm	5400	5400	5800																									
Luminous intensity																													
Beam Angle			119		 <p>UNIT: cd C0/180, 129.7deg C90/270, 108.3deg AVERAGE BEAM ANGLE (50%): 119.0 DEG</p>  <table border="1"> <thead> <tr> <th>Height</th> <th>Eavg, Emax</th> <th>Angle: 107.62deg</th> <th>Diameter</th> </tr> </thead> <tbody> <tr> <td>3.281ft 1m</td> <td>73.34, 217.9fc 789.4, 2345lx</td> <td></td> <td>8.969ft 273.38cm</td> </tr> <tr> <td>6.562ft 2m</td> <td>18.33, 54.46fc 197.3, 586.2lx</td> <td></td> <td>17.94ft 546.76cm</td> </tr> <tr> <td>9.843ft 3m</td> <td>8.148, 24.21fc 87.71, 260.5lx</td> <td></td> <td>26.91ft 820.14cm</td> </tr> <tr> <td>13.12ft 4m</td> <td>4.583, 13.62fc 49.24, 146.6lx</td> <td></td> <td>35.88ft 1093.52cm</td> </tr> <tr> <td>16.4ft 5m</td> <td>2.923, 8.714fc 31.57, 93.80lx</td> <td></td> <td>44.85ft 1366.90cm</td> </tr> </tbody> </table>	Height	Eavg, Emax	Angle: 107.62deg	Diameter	3.281ft 1m	73.34, 217.9fc 789.4, 2345lx		8.969ft 273.38cm	6.562ft 2m	18.33, 54.46fc 197.3, 586.2lx		17.94ft 546.76cm	9.843ft 3m	8.148, 24.21fc 87.71, 260.5lx		26.91ft 820.14cm	13.12ft 4m	4.583, 13.62fc 49.24, 146.6lx		35.88ft 1093.52cm	16.4ft 5m	2.923, 8.714fc 31.57, 93.80lx		44.85ft 1366.90cm
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Luminous Efficacy	lm/W	90	90	96																									
Ra	-		>73																										
Chromaticity Coordinate		<input checked="" type="checkbox"/> CIE standard <input type="checkbox"/> ANSI standard <input type="checkbox"/> JIS standard																											
Color Temperature	K		4000K-6000K																										
Optical Efficiency			>80%																										

G、Reliability Data

Parameter	Units	Rating/Working Condition	Remark
Lifetime	Hrs.	35000	
Number of Switching Cycles	Times	17500	
Starting Time	s	<0.5	
Ability Test	-	PASS	
High-low Temperature Cycle Test	-	PASS	
High Temperature and Humidity Test	-	PASS	



Color Parameters:

Chromaticity Coordinate: $x=0.3333$ $y=0.3568$

Chromaticity Coordinate: $u'=0.3333$ $v'=0.3568$ ($Duv=7.49e-03$)

R1 =72 R2 =79 R3 =84 R4 =75 R5 =72 R6 =72 R7 =85

R8 =60 R9 =-23 R10=50 R11=71 R12=42 R13=73 R14=91 R15=66