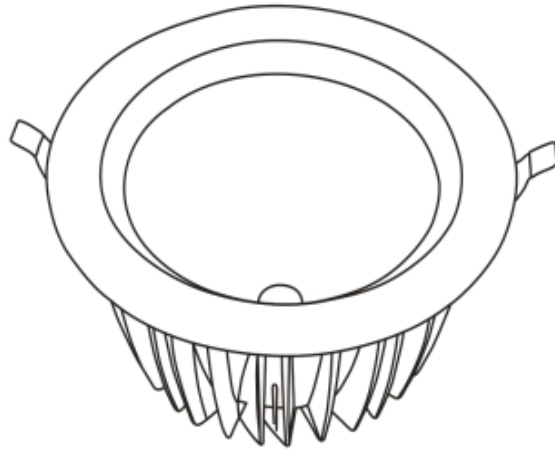


HYUNDAI

L I G H T I N G



COB Downlight

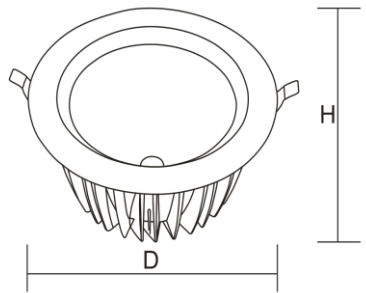
7W

3000K

Technical Datasheet

Product Description	HDL-7W-3K	ID	
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A、 Appearance Description

 <p style="text-align: center;">φ95*55mm</p>	Component No.	Component Name	Material Technics	Color Effect	Remark
	1	Ring	Die casting Aluminum	White	
	2	Heatsink	Die casting Aluminum	Dark gray	
	3	Glass	Glass	Clear	
	4	Spring	Steel+Plastic	Silver+Black	
	5	Driver	PC	White	
	6	Reflector	Aluminum	Shining	

B、 Structure

Parameter	Units	Min	Rating	Max	Remark
Weight	g				
Surface Treatment	-	glass			
Driver	-	Isolated Driver			
External Wire Diameter, Insulation Material And Temperature	-	Wired			
Producted Grade	-	IP20			
Installation Method	-	Recessed			

C、 Product Certificate

Standards	■ IEC60598 Series	<input type="checkbox"/> UL1598	<input type="checkbox"/> GB7000 Series
	■ IEC61347 Series	<input type="checkbox"/> UL1310	<input type="checkbox"/> GB19510
	■ IEC62031 Series	<input type="checkbox"/> FCC 47 part 15	<input type="checkbox"/> GB/T20145
	■ IEC62471	<input type="checkbox"/> CISPR15	<input type="checkbox"/> ROHS
	■ EN61000-3-2/3	■ IEC61547	

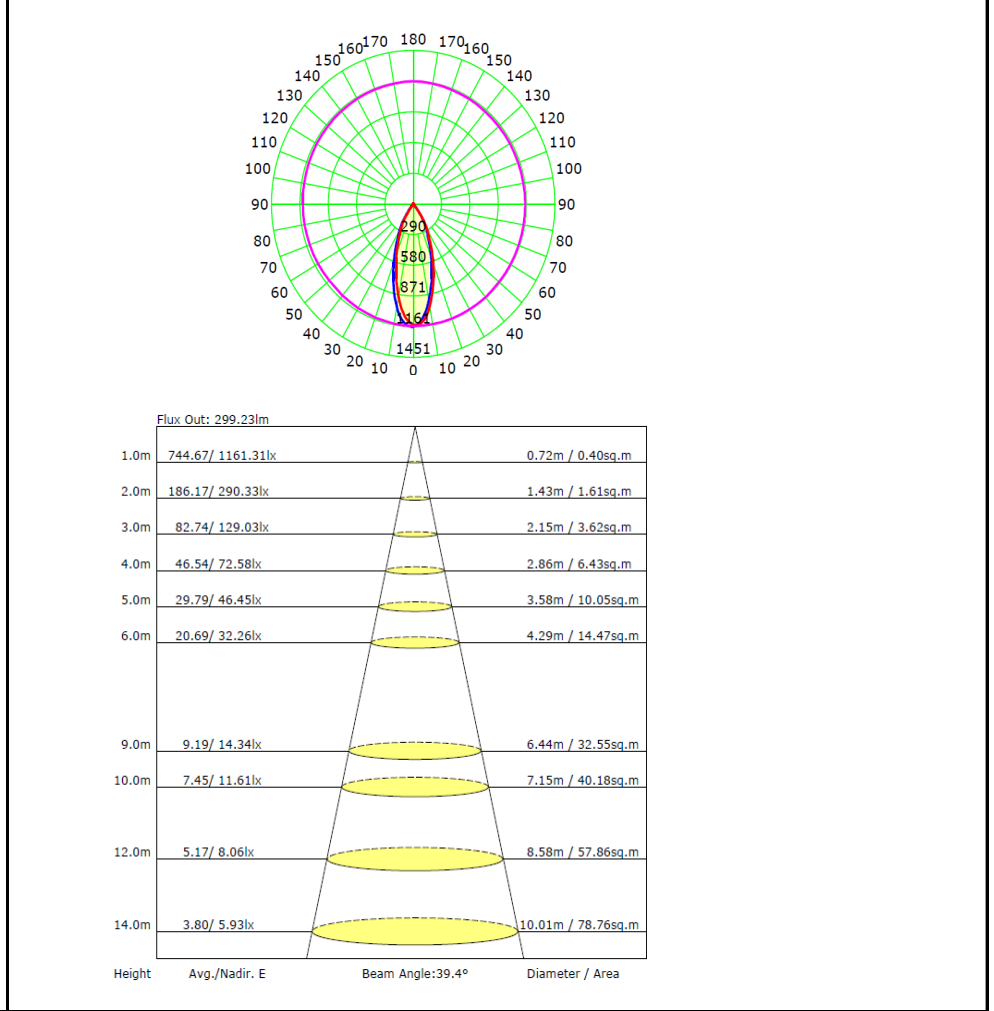
D、 Electronic Data					
Parameter	Units	Min	Rating	Max	Remark
Supply Voltage	V	220	230	240	
Supply Frequency	Hz		50/60Hz		
Supply Current	mA	64	68	71	
Power Consumption	W	7	7.7	8.1	
Power Factor	-		0.6		
THD	%			12	
Flickering	%				No flicker
LED Driver Current	mA	285	300	315	
LED Driver Voltage	V	16	27	27	
LED Driver Efficiency	%	80			
Work Temperature	°C	-20		60	
Storage Temperature	°C	-20		50	

E、 Light Source Date		
LED Model	-	COB
LED Vendor	-	Bridgelux
LM80 Report	-	Yes

D、 Electronic Data					
Parameter	Units	Min	Rating	Max	Remark
Luminous Flux-3000k±10%	lm	600	630	700	
Max Luminous Intensity	cd				
Beam Angle	°		40		
Luminous Efficacy	lm/W		90		
SDCM	-			5	
CRI	-		80		

Dominant Wavelength	nm			
Light Radiation Grade	—			
Chromaticity Coordinate	■ CIE □ ANSI □ JIS			
Color Temperature	K		3000	
Lumen Maintenance		L80B10		
Dimming Range	%			None-dimmable

Light Distribution Curve



D、 Electronic Data

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