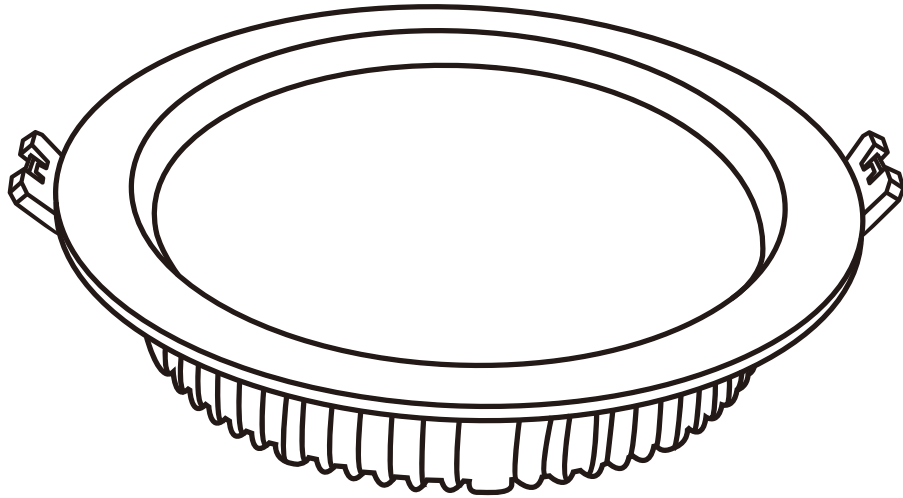


HYUNDAI

L I G H T I N G



RecessPanel light

7W

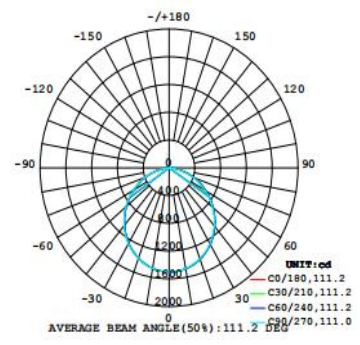
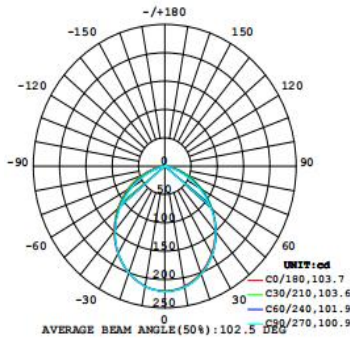
3000k

Technical Datasheet

Item code	HYD-116D	
A、 Appearance Description		
	Component Name	Material Technics
	Heatsink	Die casting Aluminum
	Diffuser	PC
B、 Structure		
Item code	HYD-116D-7W	HYD-116D-42W
Weight	193g	655g
Dimension(mm)	Φ105*30mm	Φ230*32mm
Cutout(mm)	Φ75mm	Φ190mm
Driver	Detachable Isolated Driver	
External Wire Diameter, Insulation Material And Temperature Resistance	0.3/PVC	0.5/PVC
Protection Grade	IP20	
Installation Method	Recessed	
D、 Power Driver Data		
Supply Voltage (V)	220-240V	
Supply Frequency (Hz)	50-60Hz	
Supply Current (mA)	0.12A Max	0.29A Max
Power Consumption (W)	7W	42W
Power Factor	>0.5	>0.9
THD (%)		<10%

Flickering	Non-Flickering	
LED Driver Current (mA)	300mA	1050mA
LED Driver Voltage (V)	14-24V	30-40V
LED Driver Efficiency (%)	≥80%	≥87%
Work Temperature (°C)	-10-45°C	
Storage Temperature (°C)	-25-60°C	
E、 Light Source Date		
LED Model	SMD	
LED Qty.(pcs)	35	216
LM80 Report	YES	
F、 Electronic Data		
Luminous Flux ±10% (lm)	525	4620
Max Luminous Intensity (cd)	221.1	1503
Beam Angle (°)	102.5	111.2
Luminous Efficacy (lm/W)	75	110
SDCM	<5	
CRI	>80	
Dominant Wavelength (nm)	6500K: 484.7 4000K: 578.2 3000K: 584.2	6500K: 487.9 4000K: 578.2
Light Radiation Grade		
Chromaticity Coordinate	<input checked="" type="checkbox"/> CIE <input type="checkbox"/> ANSI <input type="checkbox"/> JIS	
Color Temperature	3000K / 4000K /6500K	
Lumen Maintenance(%)		
Life (h)	50000	
Number of Switching Cycles (Times)	25000	
Starting Time (s)	<0.55	

Light Distribution Curve



Light Distribution Curve

Flux out:382.8 lm

Height	Eavg, Emax	Diameter
1m	79.90,221.1lx	242.15cm
2m	19.98,55.28lx	484.30cm
3m	8.878,24.57lx	726.45cm
4m	4.994,13.82lx	968.60cm
5m	3.196,8.845lx	1210.75cm
6m	2.219,6.142lx	1452.91cm
7m	1.631,4.513lx	1695.06cm
8m	1.248,3.455lx	1937.21cm
9m	0.9864,2.730lx	2179.36cm
10m	0.7990,2.211lx	2421.51cm

Angle:100.89deg

Flux out:3088 lm

Height	Eavg, Emax	Diameter
1m	447.2,1503lx	290.51cm
2m	111.8,375.7lx	581.02cm
3m	49.69,167.0lx	871.53cm
4m	27.95,93.93lx	1162.04cm
5m	17.89,60.12lx	1452.55cm
6m	12.42,41.75lx	1743.06cm
7m	9.127,30.67lx	2033.57cm
8m	6.988,23.48lx	2324.08cm
9m	5.521,18.55lx	2614.59cm
10m	4.472,15.03lx	2905.10cm

Angle:110.91deg