HYUNDAI
LIGHTING

PRODUCT DATASHEET

Recessed Panel light
HYD-102R-6W 4000K

Application

• Office
• Kitchen
• Rest room
• Corridor
• Shop

Benefits

• Flicker free.
• The light is soft and bright
• Drive stable,safe and reliable
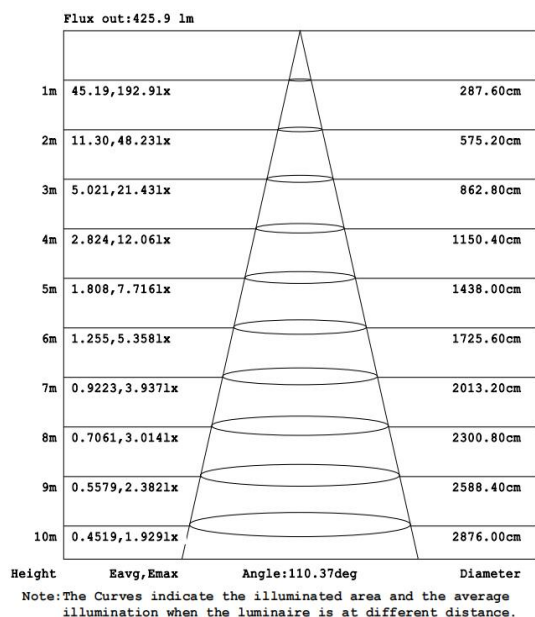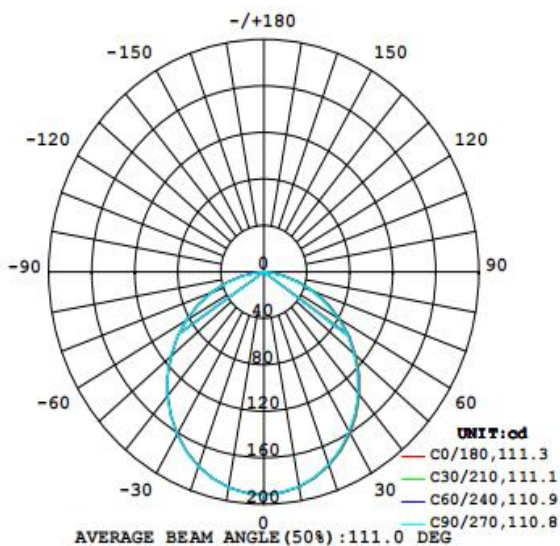• High light transmission mask to ensure uniform light

Features

• Efficient and durable
• Easy and quick installation
• Light body thin design, reduce space occupancy
• Die-cast aluminum body for better heat dissipation, anti-corrosion, and easy maintain

Electrical Data

Nominal wattage (W)	**6W**
Nominal Voltage (V)	220-240 V
Mains Frequency (Hz)	50
Nominal Current (mA)	50
LED Driver Current (mA)	300
LED Driver Voltage (VDC)	15-24
LED Driver Efficiency (%)	80%
Power Factor λ	0.5C
Total harmonic distortion (%)	...
Operating mode	External LED Driver

Photometrical data

Luminous flux ±10% (lm)	535 lm
Luminous efficacy	83 lm/w
Color temperature	**4000K**
Light color (designation)	Natural White
Color rendering index Ra	≥80
Standard deviation of color matching	≤5 SDCM
Luminous intensity/cd	192
Flickering	Flicker free
Beam angle	111 °

UNIT:cd
C0/180,111.3
C30/210,111.1
C60/240,110.9
C90/270,110.8
AVERAGE BEAM ANGLE(50%):111.0 DEG

Flux out:425.9 lm

Height	Eavg,Emax	Angle:110.37deg	Diameter
1m	45.19,192.9lx		287.60cm
2m	11.30,48.23lx		575.20cm
3m	5.021,21.43lx		862.80cm
4m	2.824,12.06lx		1150.40cm
5m	1.808,7.716lx		1438.00cm
6m	1.255,5.358lx		1725.60cm
7m	0.9223,3.937lx		2013.20cm
8m	0.7061,3.014lx		2300.80cm
9m	0.5579,2.382lx		2588.40cm
10m	0.4519,1.929lx		2876.00cm

Note:The Curves indicate the illuminated area and the average
illumination when the luminaire is at different distance.

4000K

Dimensions & Weight

Diameter (mm)	120
Height (mm)	35
Product weight (g)	148

Cut out 105mm

H 35mm

D 120mm
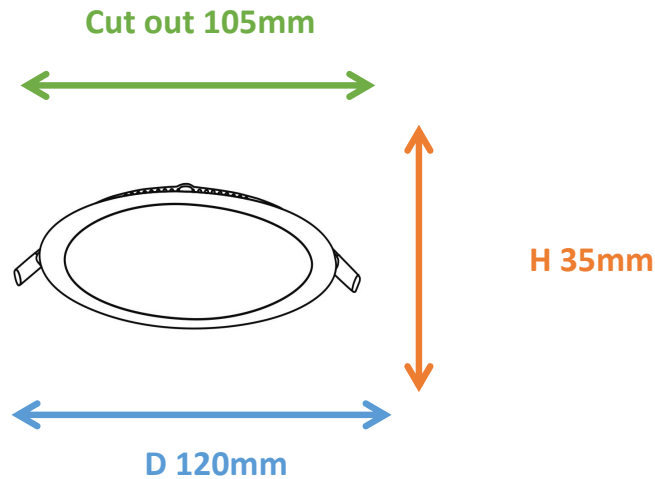
Material & Colors

Product color	All White
Housing color	White
Body material	Aluminum
Cover material	PS LGP material
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-20°C~+45 °C
Temperature range at storage	-20°C~+60 °C
Type of connection	Screwless terminal
Type of protection	IP20
Dimmable	No
Mounting type	Recesse mounted
Mounting location	Ceiling
Application environment	Indoor
Cut size (mm)	105
LED module replaceable	Not replaceable
With light source	Yes

Certificates & Lifespan

Life (h)	50,000
Certificates	CB LVD EMC RoHS
Standards	ISO9001:2015

Logistical Data

Product code	Dimensions (L*W*H)	Pcs/ carton	G.W. kg	Volume CBM
HYD-102R-6W	74.5*22*33.5 cm	50	...	0.05491

Installation Method
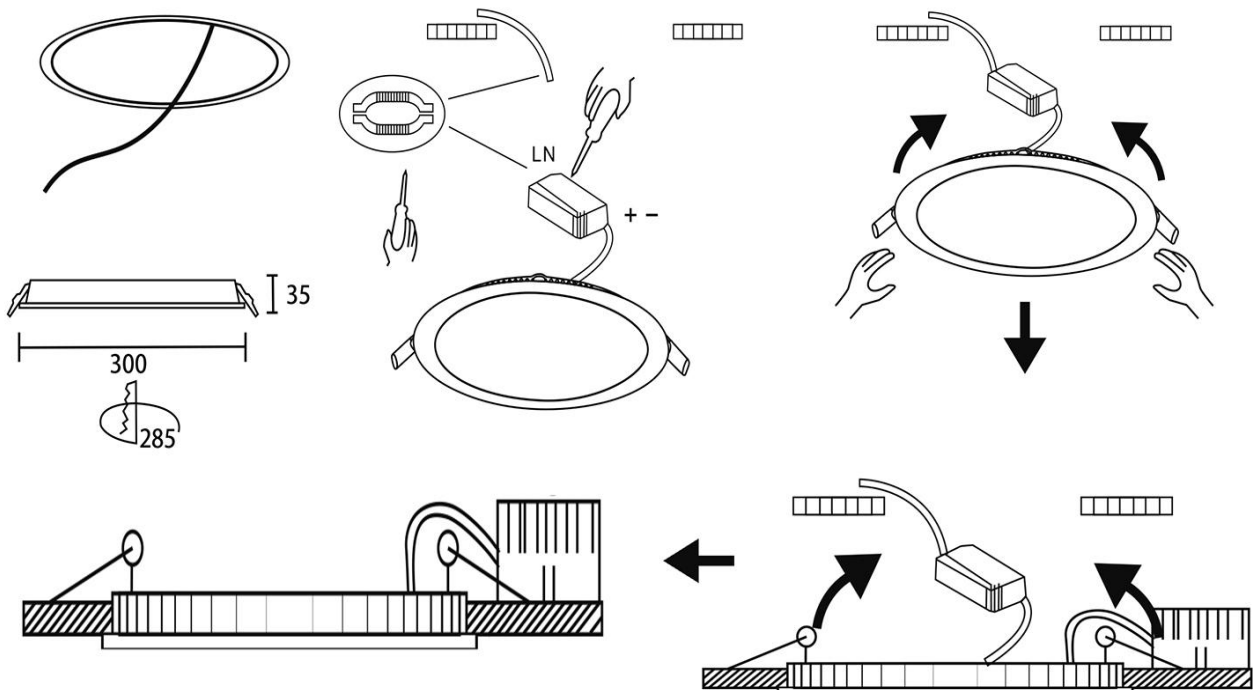
Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.