HYUNDAI
LIGHTING

PRODUCT DATASHEET

Recessed Panel light
HYD-102R-9W 4000K

Application

• Office
• Kitchen
• Rest room
• Corridor
• Shop

Benefits

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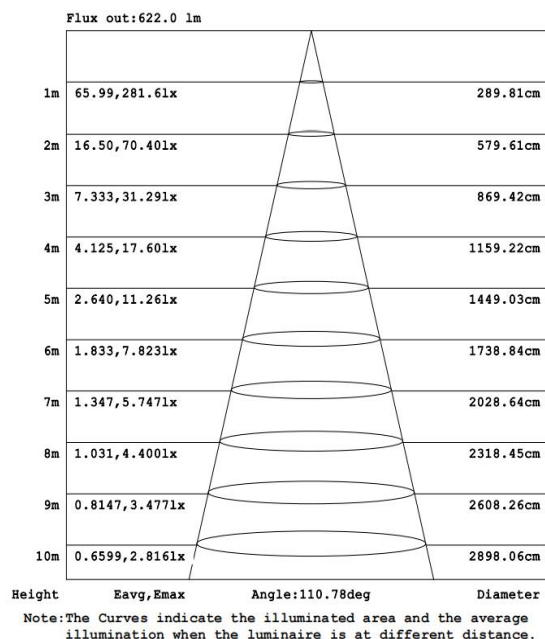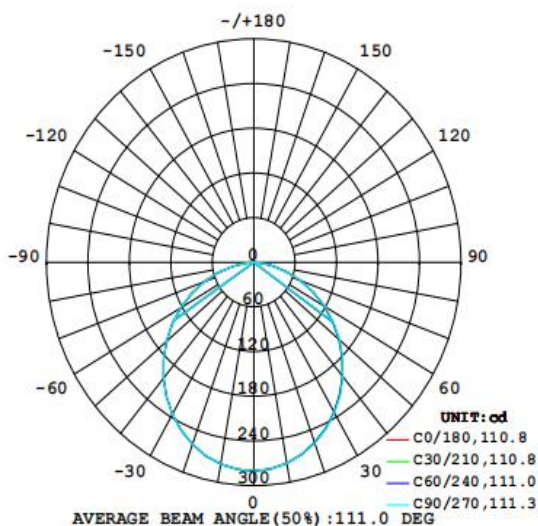• High light transmission mask to ensure uniform light

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)	**9W**
Nominal Voltage (V)	220-240 V
Mains Frequency (Hz)	50
Nominal Current (mA)	68
LED Driver Current (mA)	250
LED Driver Voltage (VDC)	30-42
LED Driver Efficiency (%)	83%
Power Factor λ	0.55C
Total harmonic distortion (%)	…
Operating mode	External LED Driver

Photometrical data

Luminous flux ±10% (lm)	785 lm
Luminous efficacy	93 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	280
Flickering	Flicker free
Beam angle	111 °

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

Flux out:622.0 lm

Height	Eavg,Emax	Angle:110.78deg	Diameter
1m	65.99,281.61x		289.81cm
2m	16.50,70.401x		579.61cm
3m	7.333,31.291x		869.42cm
4m	4.125,17.601x		1159.22cm
5m	2.640,11.261x		1449.03cm
6m	1.833,7.8231x		1738.84cm
7m	1.347,5.7471x		2028.64cm
8m	1.031,4.4001x		2318.45cm
9m	0.8147,3.4771x		2608.26cm
10m	0.6599,2.8161x		2898.06cm

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

4000K

Dimensions & Weight

Diameter (mm)	146
Height (mm)	35
Product weight (g)	219

Cut out 130mm

H 35mm

D 146mm
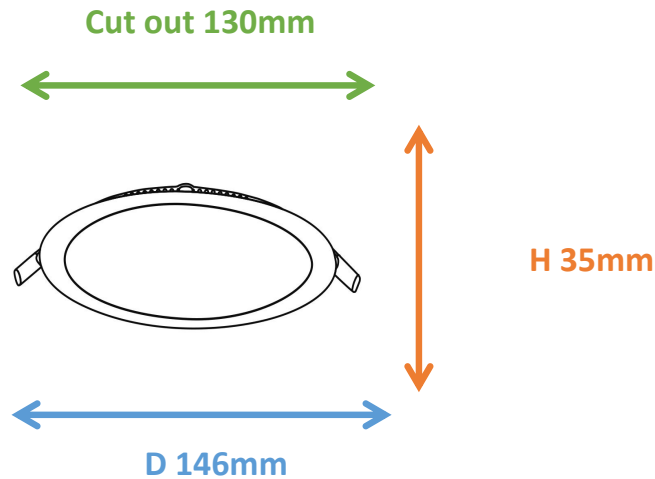
Material & Colors

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~+50 °C
Temperature range at storage	-25°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)	130
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-9W	53*20*42.5 cm	30	...	0.04505

Installation Method
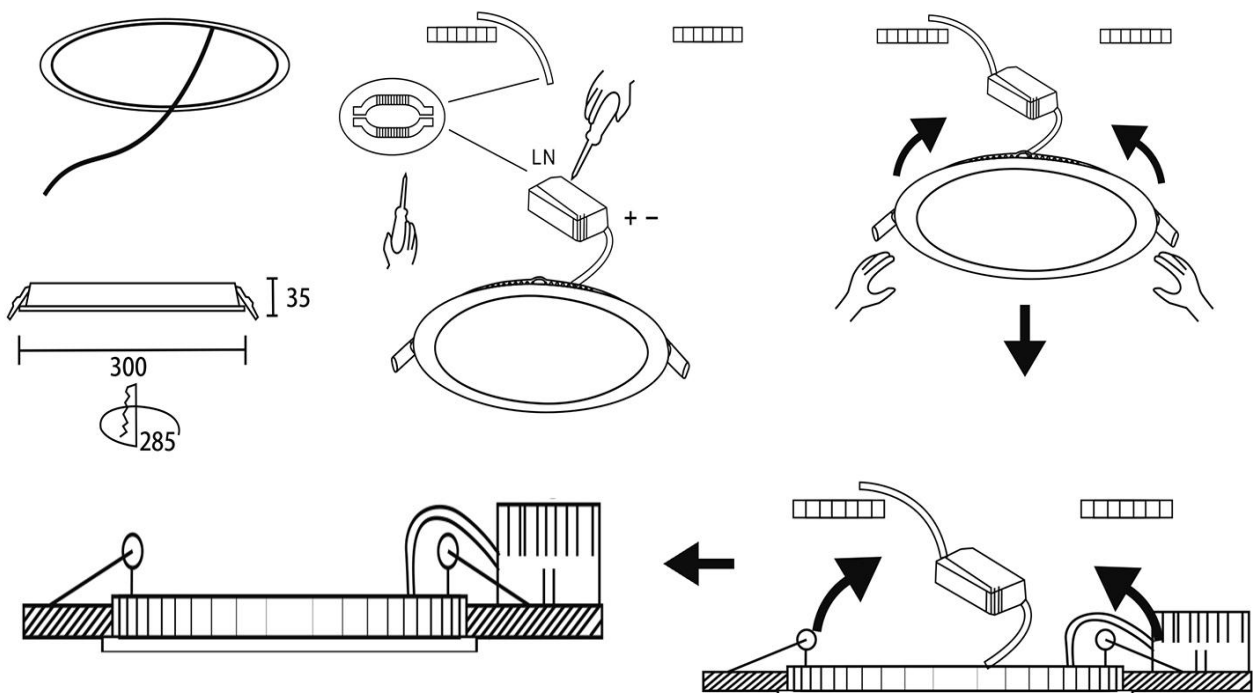
Disclaimer

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