HYUNDAI
LIGHTING

PRODUCT DATASHEET

Recessed Panel light
HYD-102R-20W 4000K

Application

• Office
• Kitchen
• Rest room
• Corridor
• Shop

Benefits

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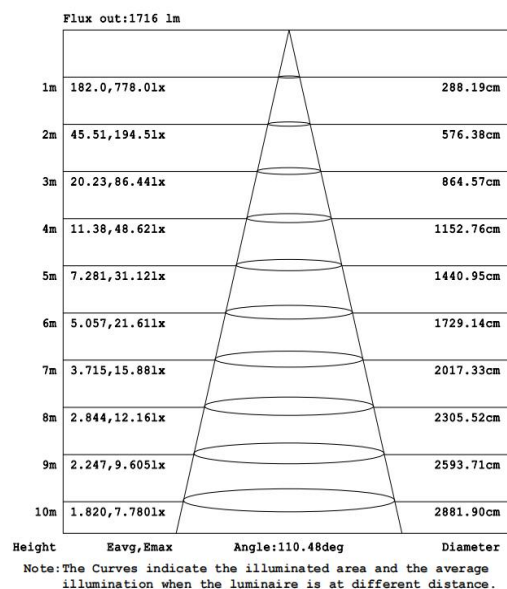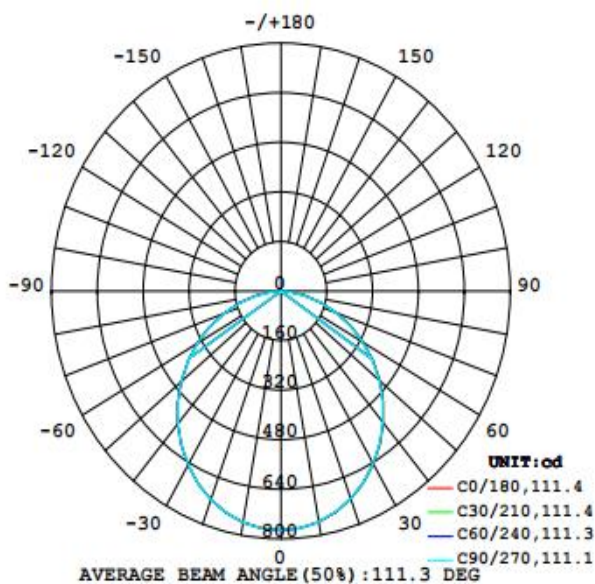• High light transmission mask to ensure uniform light

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)	**20W**
Nominal Voltage (V)	220-240 V
Mains Frequency (Hz)	50
Nominal Current (mA)	168
LED Driver Current (mA)	600
LED Driver Voltage (VDC)	27-39
LED Driver Efficiency (%)	85%
Power Factor λ	0.55C
Total harmonic distortion (%)	...
Operating mode	External LED Driver

Photometrical data

Luminous flux ±10% (lm)	102 lm/w
Luminous efficacy	2181 lm
Color temperature	**4000K**
Light color (designation)	Natural White
Color rendering index Ra	≥80
Standard deviation of color matching	≤5 SDCM
Luminous intensity/cd	772
Flickering	Flicker free
Beam angle	111 °

UNIT:cd
C0/180,111.4
C30/210,111.4
C60/240,111.3
C90/270,111.1
AVERAGE BEAM ANGLE(50%):111.3 DEG

Flux out:1716 lm

Height	Eavg,Emax	Angle:110.48deg	Diameter
1m	182.0,778.01x		288.19cm
2m	45.51,194.51x		576.38cm
3m	20.23,86.441x		864.57cm
4m	11.38,48.621x		1152.76cm
5m	7.281,31.121x		1440.95cm
6m	5.057,21.611x		1729.14cm
7m	3.715,15.881x		2017.33cm
8m	2.844,12.161x		2305.52cm
9m	2.247,9.6051x		2593.71cm
10m	1.820,7.7801x		2881.90cm

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

4000K

Dimensions & Weight

Diameter (mm)	237
Height (mm)	35
Product weight (g)/housing	480

Cut out 220mm

H 35mm

D 237mm
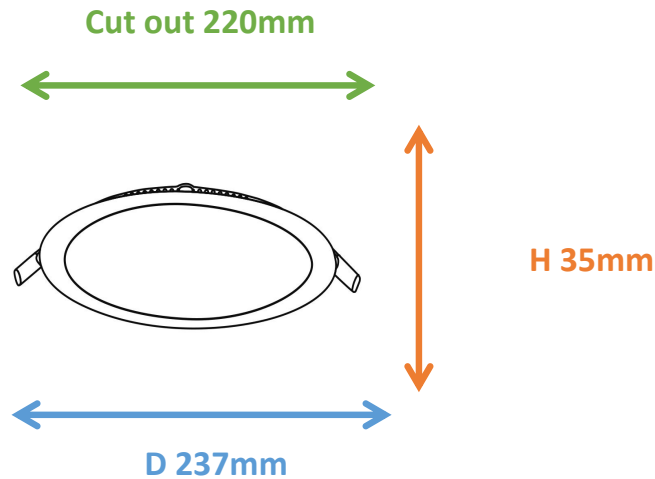
Material & Colors

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	-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)	220
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-20W	54*30*37.5 cm	20	...	0.06075

Installation Method
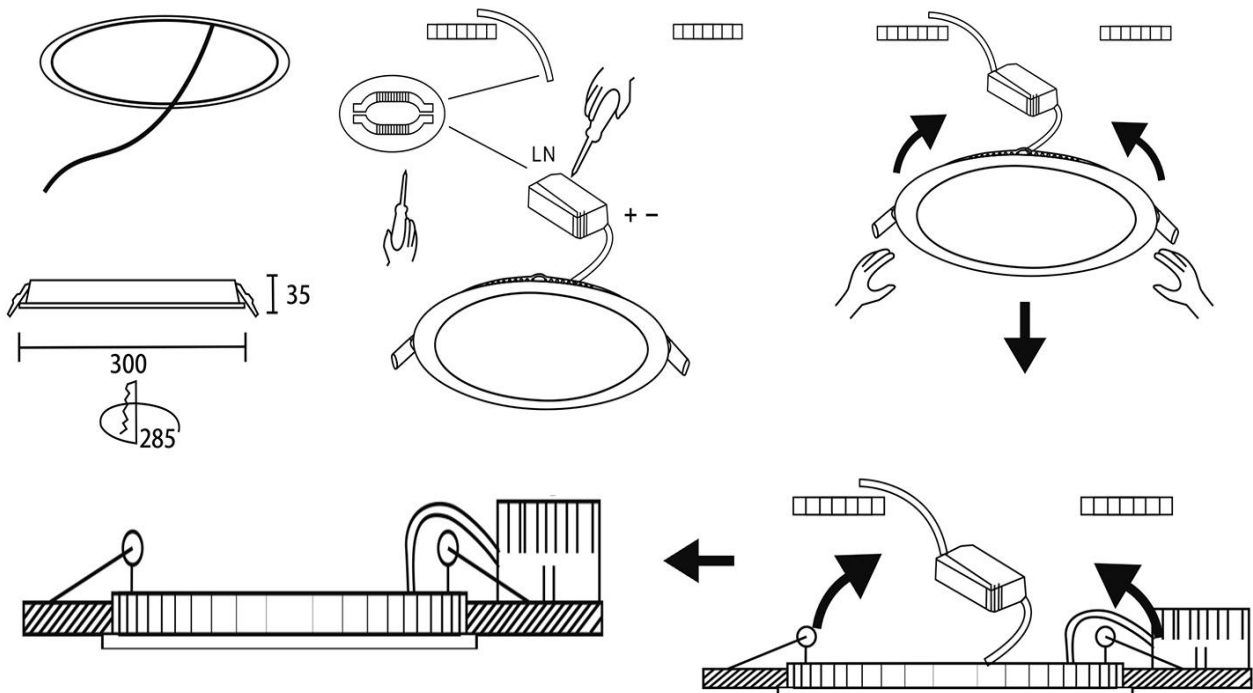
Disclaimer

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