HYUNDAI
LIGHTING

PRODUCT DATASHEET

Five years warranty - Flood Light
HYD-407-45W 6500K

Application

• Stadium
• Park
• Large area workplace
• Packing lots
• Gymnasiums

Benefits

• Flicker free
• Lighting coverage area is wide
• Protection against water & dust, IP65
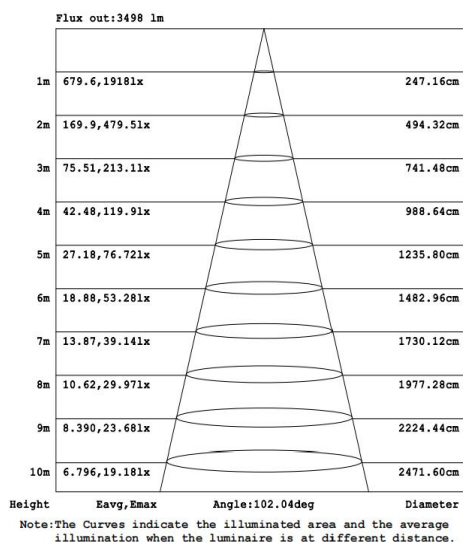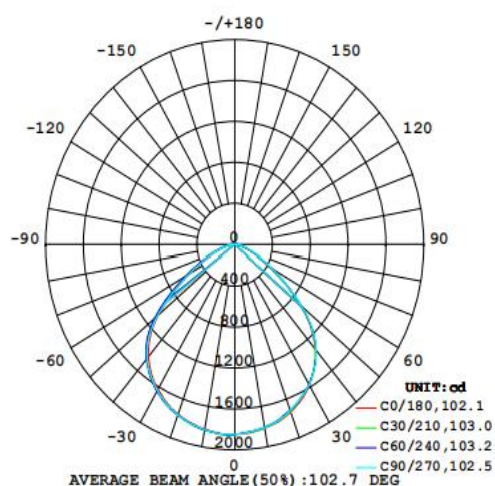• Adjustable support, any Angle, flexible adjustment of light direction

Features

• Warranty 5 years
• Highly transparent glass mask
• Easy and quick installation
• Thick aluminum lamp body, corrosion resistance, good heat dissipation, long service life

Electrical Data

Nominal wattage (W)	**45W**
Nominal Voltage (V)	220
Mains Frequency (Hz)	50
Nominal Current (mA)	219
Power Factor λ	0.92
Operating mode	DOB

Photometrical data

Luminous flux ±10% (lm)	4496 lm
Luminous efficacy	101 lm/w
Color temperature	**6500K**
Light color (designation)	Cold White
Color rendering index Ra	≥80
Standard deviation of color matching	≤5 SDCM
Luminous intensity/cd	1853
Flickering	Flicker free
Beam angle	103 °

UNIT: cd
C0/180,102.1
C30/210,103.0
C60/240,103.2
C90/270,102.5
AVERAGE BEAM ANGLE(50%):102.7 DEG

Flux out:3498 lm

Height	Eavg,Emax	Angle:102.04deg	Diameter
1m	679.6,19181x		247.16cm
2m	169.9,479.51x		494.32cm
3m	75.51,213.11x		741.48cm
4m	42.48,119.91x		988.64cm
5m	27.18,76.721x		1235.80cm
6m	18.88,53.281x		1482.96cm
7m	13.87,39.141x		1730.12cm
8m	10.62,29.971x		1977.28cm
9m	8.390,23.681x		2224.44cm
10m	6.796,19.181x		2471.60cm

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

IES

![HYUNDAI LIGHTING]

Dimensions & Weight

Diameter (mm)	239*199
Height (mm)	42
Product weight (g)	891

L239 mm

W&H 199&42 mm
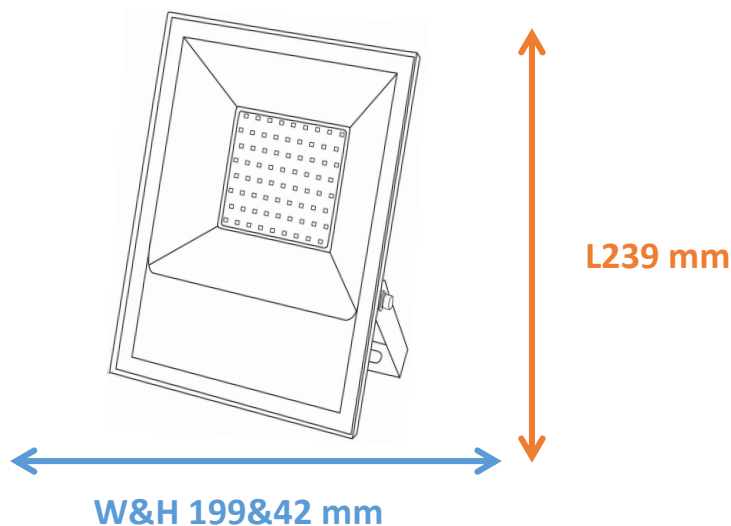
Material & Colors

Product color	Black housing and Green Frame
Housing color	Black
Body material	Aluminum
Cover material	Glass
Mercury content	0.0 mg

Application & Mounting

|	
Ambient temperature range	-10-45 °C
Temperature range at storage	-25-60 °C
Type of connection	Screwless terminal
Type of protection	IP65
Dimmable	No
Mounting type	Put / Suspension
Mounting location	Underground / Wall / Ceiling
Application environment	Indoor / Outdoor
Cut size (mm)	No
LED module replaceable	Not replaceable
With light source	Yes

Certificates & Lifespan

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

Logistical Data

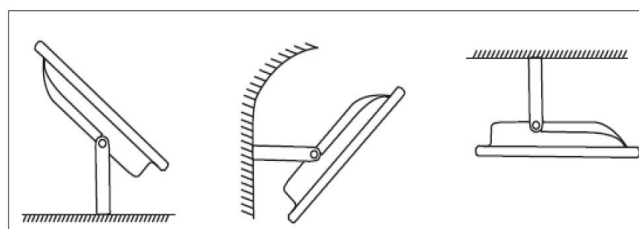| Product code	Dimensions (L*W*H)	Pcs/ carton	G.W. kg	Volume CBM
HYD-407-45W	52*24*29 cm	10	...	0.03619

Installation Method
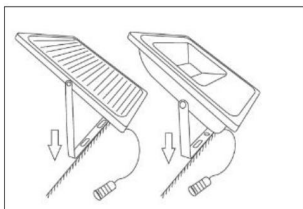
Fix the lamp and the solar panel with stainless steel screws.
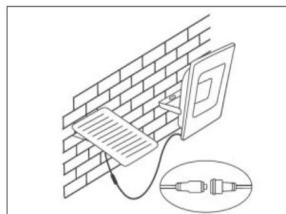
Make sure to connect the plug firmly.

Install the LED flood lights in the ground, wall, and ceiling

Disclaimer

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