

HiPro

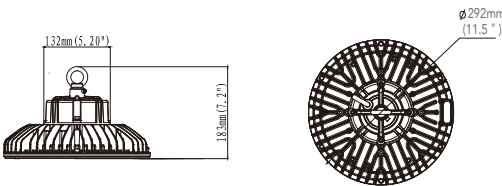
Stability, Endurability, and Cost-effective Combined



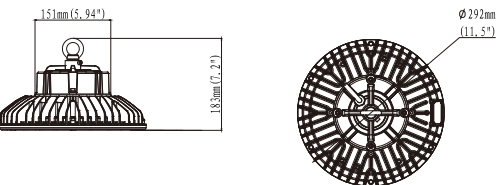
HiPro

If you are looking for high bay for project, please stop by HiPro. It engineered multiple beam angles and installations which is suitable for any project. HiPro also is born for technicals, architects and distributors. Moreover, high efficiency is optional. And when customers ask for low UGR, HiPro meet the demands and compatible with UGR < 19. The lighting fixture is suitable for use in gyms / volleyball / basketball / tennis playground.

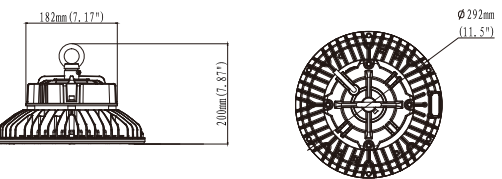
Wattage:
100W, 120W
Luminaire Net Weight:
4.6±0.3kg



Wattage:
150W
Luminaire Net Weight:
4.6±0.3kg



Wattage:
200W
Luminaire Net Weight:
5.2±0.3kg





Mounting Options



Loop Hanging



Hook Mounting



Ceiling Mounting



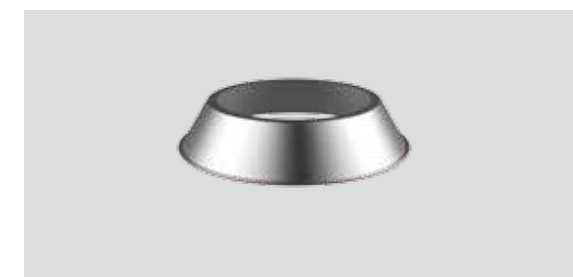
Bracket Mounting

4 Reflectors

H00C01A+H00C01B PC ANTI GLARE Reflector



H00D02 AL Reflector 90°



H00D04 AL Reflector 110°



H00D03 AL Reflector 65°



Alternatives : PC Anti-glare Reflector Cover (compatible with H00C01A for anti-glare improval) PMMA Anti-glare Cover.

Human Centric Solution

NRGSAVE always following up market and meeting the demands. When customers ask for low UGR, we did it!
IK06 Normal Version - IK08 with front protection grid

130 lm/W



UGR < 19

Background

Literally speaking, It means unified glare rating. High UGR makes human fatigue which result in strong feeling of eyes and low productivity of workers. Light is vital in our life, however, more than light, what we matter is the disadvantage of light for human being. It is said that when UGR rate is less than 19, our eyes have best feeling of light. After a period of time's test, an eruptive technology come out.

65 Degree

Wattages Optional

100W, 120W, 150W, 200W

How Reduces UGR?

Engineered grille textured lens to change the light distribution, the fixture is 65 degree and no glaring. The UGR rate is exceptionally less than 19 after testing.

ceiling/ cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x=2Hy=2H	17.9	18.9	18.1	19.1	19.2	17.6	18.6	17.9	18.8	19.0
3H	17.7	18.6	18.0	18.8	19.1	17.5	18.4	17.7	18.6	18.8
4H	17.6	18.5	18.9	18.7	19.0	17.4	18.2	17.7	18.5	18.7
6H	17.6	18.4	18.9	18.6	18.9	17.3	18.1	17.6	18.3	18.6
8H	17.5	18.3	18.8	18.5	18.8	17.2	18.0	17.6	18.3	18.5
12H	17.5	18.2	18.8	18.5	18.8	17.2	17.9	17.5	18.2	18.5
4H 2H	17.6	18.5	17.9	18.7	19.0	17.4	18.2	17.7	18.5	18.7
3H	17.5	18.2	17.8	18.5	18.8	17.2	17.9	17.5	18.2	18.5
4H	17.4	18.0	17.7	18.3	18.7	17.1	17.8	17.5	18.1	18.4
6H	17.3	17.9	17.7	18.2	18.5	17.0	17.6	17.4	17.9	18.3
8H	17.2	17.8	17.6	18.1	18.5	17.0	17.5	17.4	17.9	18.2
12H	17.2	17.7	17.6	18.0	18.4	16.9	17.4	17.3	17.8	18.2
8H 4H	17.2	17.8	17.6	18.1	18.5	17.0	17.5	17.4	17.9	18.2
6H	17.1	17.6	17.6	18.0	18.4	16.9	17.3	17.3	17.7	18.1
8H	17.1	17.5	17.5	17.9	18.3	16.8	17.2	17.3	17.6	18.1
12H	17.0	17.4	17.5	17.8	18.3	16.8	17.1	17.2	17.5	18.0
12H 4H	17.7	17.7	17.6	18.0	18.4	16.9	17.4	17.3	17.8	18.2
6H	17.5	17.5	17.5	17.9	18.3	16.8	17.2	17.3	17.6	18.1
8H	17.4	17.4	17.5	17.8	18.3	16.8	17.1	17.2	17.5	18.0

Dimensions

	100W	120W
Luminaire Net Weight	4.3±0.3kg (9.48±0.66Lbs)	4.6±0.3kg (10.14±0.66Lbs)
Outlook Dimensions	φ292×183mm(φ11.5"×7.2")	φ292×183mm(φ11.5"×7.2")
Export Carton Size	332×332×210mm(13.07"×13.07"×8.27")	332×332×210mm(13.07"×13.07"×8.27")

	150W	200W
Luminaire Net Weight	4.6±0.3kg (10.14±0.66Lbs)	5.2±0.3kg (11.46±0.66Lbs)
Outlook Dimensions	φ292×191mm(φ11.5"×7.52")	φ292×199mm(φ11.5"×7.83")
Export Carton Size	332×332×210mm(13.07"×13.07"×8.27")	332×332×230mm(13.07"×13.07"×9.06")

IP65 & IK10

140m/W & 160m/W

High Efficiency, Low Energy Cost

The efficiency is up to 160lm/W which replace traditional HID lights as below.

100W (16000 Lumens) >	REPLACES 250W HID
120W (19200 Lumens) >	REPLACES 400W HID
150W (24000 Lumens) >	REPLACES 400W HID
200W (32000 Lumens) >	REPLACES 600W HID

Energy savings up to 90%, Make the most of your energy

UGR Standard

European Standard BSEN 12464: 2002 specifies the ideal UGR values for typical environments, e.g.:

LIMITING	GI OCCUPATIONS
16	Drawing offices, very fine visual inspections
19	Offices, libraries, keyboard and VDT, work (reflections from screen), reading, writing, training meeting
22	Kitchen, reception area, fine assembly,craft and light industry
25	Stock rooms, assembly line for easy tasks/heavy industry
28	Indoor car park, Railway Platform

In accordance with the Lighting of indoor work places standards, BSEN 12464: 2002, “glare must be limited to avoid errors, fatigue and accidents.” It states that a glare rating should be calculated by the UGR tabular method and must be below the rating listed for the application.



Product Parameters

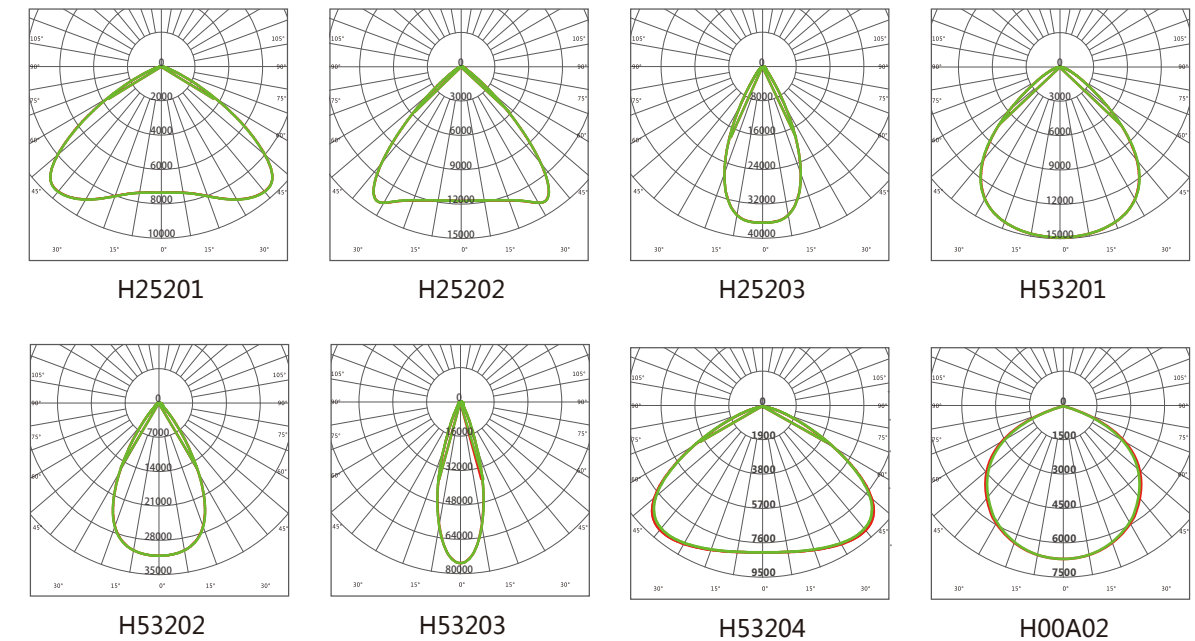
Standard Version

Part Number	nrg HB12-100	nrg HB12-120	nrg HB12-150	HB12-200
Lumen Output	14,000lm	16,800lm	21,000lm	28,000lm
Wattage	100W	120W	150W	200W
Luminous Efficacy	140lm/W			
CCT	5000K (3000K, 4000K optional)			
CRI	>Ra70 (>Ra80 optional)			
IP Rating	IP65			
Working Temperature	-30°C to +50°C			
LED Driver	Sosen			
Input Voltage	100-240Vac/100-277Vac, 50-60Hz, ≥0.93			
Warranty	5 years			
Lifespan	> 50,000hrs			
HID Equivalent	250W	250W	400W	400W

High Efficiency Version

Part Number	nrg HB12-100/H	nrg HB12-120/H	nrg HB12-150/H	HB12-200/H
Lumen Output	16,000lm	19,200lm	24,000lm	32,000lm
Wattage	100W	120W	150W	200W
Luminous Efficacy	160lm/W			
CCT	5000K(3000K, 4000K optional)			
CRI	> Ra70(>Ra80 optional)			
IP Rating	IP65			
Working Temperature	-30°C to +50°C			
LED Driver	Sosen			
Input Voltage	100-240Vac/100-277Vac, 50-60Hz, ≥0.93			
Warranty	5 years			
Lifespan	> 50,000hrs			
HID Equivalent	250W	250W	400W	400W

Light Distribution Optional



Color Optional



Intelligent Control

- ▶ Zigbee Wireless Control
- ▶ Motion Sensor
- ▶ DALI Control
- ▶ Daylight Sensor Control
- ▶ 1-10V Dimming
- ▶ PIR Sensor
- ▶ Emergency Module
- ▶ DMX Control

Certificates

