

Item # HGBY240 (240 WATT) LED HIGH BAY LIGHT INSTRUCTION MANUAL

READ ALL INSTRUCTIONS AND WARNINGS BEFORE USING THIS PRODUCT.

This manual provides important information on proper operation & maintenance. Every effort has been made to ensure the accuracy of this manual. These instructions are not meant to cover every possible condition and situation that may occur. We reserve the right to change this product at any time without prior notice.

**IF THERE IS ANY QUESTION ABOUT A CONDITION BEING SAFE OR UNSAFE,
DO NOT OPERATE THIS PRODUCT!**

DO NOT RETURN THIS PRODUCT TO THE RETAILER!

If you experience a problem, have questions or need parts for this product, call
Customer Service at **1-888-287-6981, Monday-Friday, 8 AM - 4 PM Central Time.**

A copy of the sales receipt is required.

**FOR CONSUMER USE ONLY – NOT FOR PROFESSIONAL USE.
KEEP THIS MANUAL, SALES RECEIPT & APPLICABLE WARRANTY FOR FUTURE
REFERENCE.**

 DANGER

YOU MAY NEED TO SEEK THE ADVISE OF A LICENSED ELECTRICIAN FOR WIRING

WARNING: CALIFORNIA PROP 65: According to the State of California, this product contains or emits chemicals known to cause cancer, birth defects and other reproductive harm.

SPECIFICATIONS

Power	HGBY240 (240W)
LED Type	PHILIPS
LED Qty	336 PCS
System Efficacy	130LM/W
CCT	3000K, 4000K, 5000K, 5700K
Beam Angle	120°
CRI	> 80Ra
System Power Consumption	240W±5W
Fixture Material	AL 1070
Ingress Protection	IP65
Net Weight	5.4 ± 0.5 kg
Gross Weight	46.4± 0.5 kg
Life span	> 50,000 Hours (Ta=30°C @L70)
Input Voltage	AC100-277V
Power Frequency	50-60Hz
Output Voltage	DC28.8-48V
Power Efficiency	> 93%
Power Factor	> 0.93
Total Harmonic Distortion	< 15%
Junction Temperature	< 75°C (Ta=30°C)
Storage Temperature	(-40~+70°C)
Operating Temperature	(-30~+50°C)
Operating Humidity	15-90%RH
Dimensions	Φ 320*H151.5mm



FEATURES:

This LED High Bay Light offers Hard-Wire Connection.

The lamp can be controlled by 1-10V dimmer, microwave sensor and daylight sensor using the dimmer wire. (Sensors and dimmers not included.)

UGR of the light with lens is lower than 25.

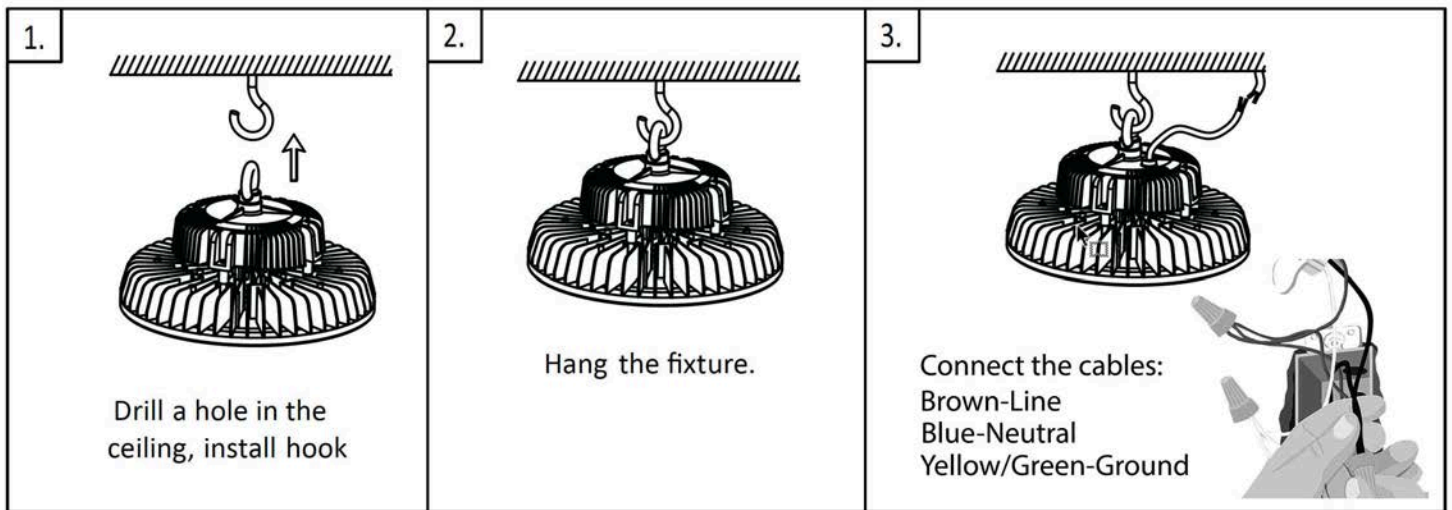
The life span of the light is 54,000 hours.

Housing is made of 1070 pure aluminum, (thermal conductivity 226 w/m.k). It uses cold forging technology and electrophoresis surface treatment. The weight of the lamp is about 40% lighter than die-casting lamp.

Usual Voltage is AC100-277V or AC200-480V

The wattage is from 80-300 watts which can replace 200-1000 watts HID





APPLICATION

High bay is designed for factories, workshops, warehouses, highway toll stations, gas stations, supermarkets, exhibition halls, stadiums and similar places.

Please read the instruction manual before installation and keep it for future reference.

WARNING: To avoid damage, electric shock or fire, please do not modify the lamp without confirming with the supplier first.

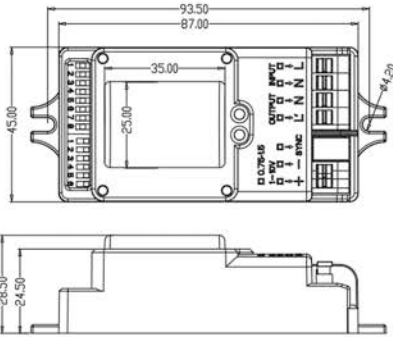
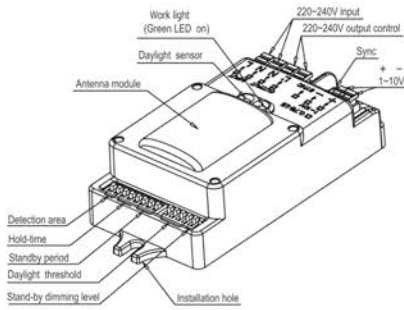
Only qualified personnel should install the lamp and ensure they follow the instruction manual. Any improper installation might cause falling, electric shock, fire, or other injury, damage or hazard.

Please disconnect power before installation or any maintenance of the lamp.

Please disconnect power if it begins to smoke or emit odors, since fire or electric shock may occur. Ask qualified electrician to inspect and maintain the light. Please do not touch the power supply when the lamp is operating.

If the external flexible cable or cord of the lamp is damaged, it should only be replaced by the supplier, a service agent or qualified person.

DESCRIPTION OF MICROWAVE SENSOR



MC601V	
Operating voltage	120~277Vac, 50Hz/60Hz
Rated capacitive load	120V@400W;220-240V@800W;277V@1000W
HF system	5.8GHz±75MHz, ISM wave band
Transmitting power	<0.5mW
Power consumption	≤0.5W(standby), <1W(operation)
Detection zone	Max.(D x H): 16m x 15m
Detection sensitivity	10% / 50% / 75% / 100%
Hold time	5s / 30s / 90s / 3min / 20min / +∞
Daylight sensor	2lux/5lux / 10lux / 25lux / 50lux / 100lux / Disable
Stand-by period	0s / 5s / 5min / 10min / 30min / 1h / +∞
Stand-by dimming level	10% / 20% / 30% / 50%
Mounting height	15m Max.
Motion detection	0.5~3m/s
Detection angle	150°(wall installation), 360°(ceiling installation)
Operating temperature	-35°C ~70°C
IP rating	IP20

Setting

By selecting the combination on the DIP switches, sensor data can be precisely set for each specific application.

	1	2	
I	ON	ON	100%
II	ON	-	75%
III	-	ON	50%
IV	-	-	10%

Detection area

Detection area can be reduced by selecting the combination on the DIP switches to fit precisely each application .

	3	4	5	
I	ON	ON	ON	5S
II	-	ON	ON	30S
III	ON	-	ON	90S
IV	-	-	ON	3min
V	ON	ON	-	20min
VI	-	-	-	+∞

Hold time

Refers to the time period the lamp remains at 100% illumination after no motion detected.

	6	7	8	
I	ON	ON	ON	0S
II	-	ON	ON	5S
III	ON	-	ON	5min
IV	-	-	ON	10min
V	ON	ON	-	30min
VI	-	ON	-	1h
VII	-	-	-	+∞

Stand-by period

Refers to the time period the lamp remains at a low light level before it completely switches off in the long absence of people.
When set to "+∞" mode, the low light is maintained until motion is detected.

	1	2	3	4	
I	-	-	ON	ON	2Lux
II	-	-	-	ON	5Lux
III	-	ON	ON	-	10Lux
IV	-	-	ON	-	25Lux
V	-	ON	-	-	50Lux
VI	ON	-	-	-	100Lux
VII	-	-	-	-	Disable

Daylight sensor

The sensor can be set to only allow the lamp to illuminate below a defined ambient brightness threshold.
When set to Disable mode, the daylight sensor will switch on the lamp when motion is detected regardless of ambient light level.
50lux, 30lux: twilight operation, 10lux, 5lux: darkness operation only.
Note that daylight sensor is active only when lamp totally switches off.

	5	6	
I	ON	ON	50%
II	-	ON	30%
III	ON	-	20%
IV	-	-	10%

Stand-by dimming level

The low light level you would like to have after the hold time in the long absence of people.

CONNECTION OF MICROWAVE SENSOR

