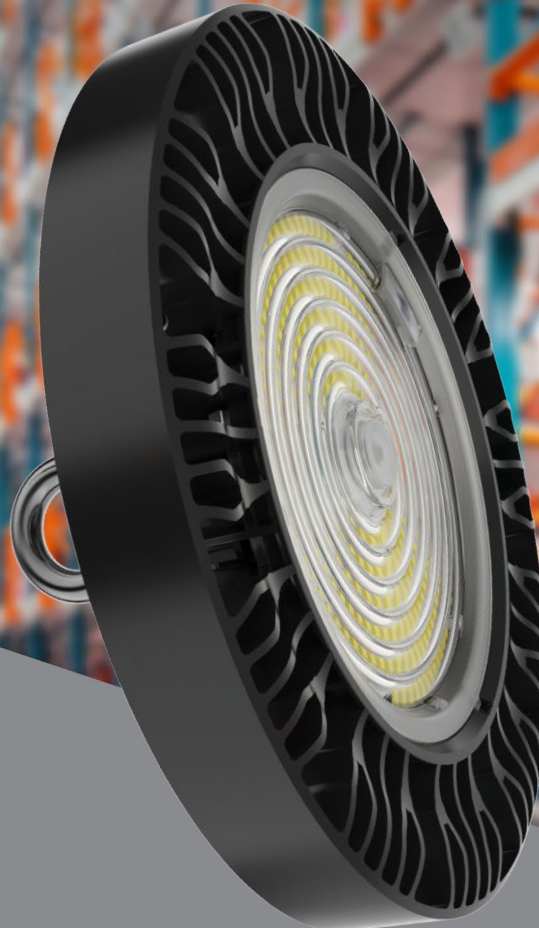


# HIGH BAY LIGHT FH7

Ultra-high efficiency  
up to 160 lm/W



Note: Not all of the products indicated in this specification are DLC premium qualified, please refer to <https://www.designlights.org/searcher> for more details.

HIGH LIGHT · DURABLE · SAVE COST  
80W/100W/120W/150W/200W

Suitable for Factory / Warehouse / Indoor Basketball / Court / Gym /  
Shopping mall and other Industrial and Commercial venues

## Features

**UL Listing:** Suitable for wet locations

**LEDs:** Long-life, high-efficiency, surface mount LEDs

**Lifespan:** 100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

**Drivers:**

**80W:**

Constant current, 50/60 Hz., 120-277V, 0.67A @ 120V, 0.38A @ 208V, 0.33A @ 240V, 0.29A @ 277V;

**100W:**

Constant current, 50/60 Hz., 120-277V, 0.83A @ 120V, 0.48A @ 208V, 0.42A @ 240V, 0.36A @ 277V;

**120W:**

Constant current, 50/60 Hz., 120-277V, 1.00A @ 120V, 0.58A @ 208V, 0.50A @ 240V, 0.43A @ 277V;

**150W:**

Constant current, 50/60 Hz., 120-277V, 1.25A @ 120V, 0.72A @ 208V, 0.62A @ 240V, 0.54A @ 277V;

**200W:**

Constant current, 50/60 Hz., 120-277V, 1.67A @ 120V, 0.96A @ 208V, 0.83A @ 240V, 0.72A @ 277V;

**CCT:** Vailable in 4000K, 5000K & 6000K color temperature per ANSI C78.377

**Dimming:** 0-10V dimming, Continuous

**Reflector Options:** white aluminum reflector available in 7" (180mm)height; PC reflector .

**Finish:** Black(standard)/Customerization.

**Housing:** ADC12 die-cast aluminum

## Reflectors



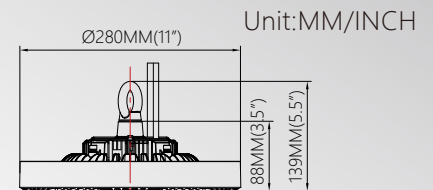
Aluminum Reflector



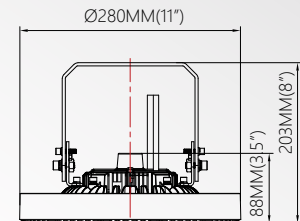
PC Reflector



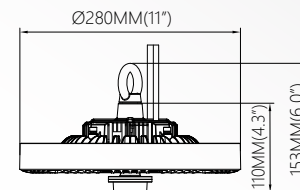
## Dimension



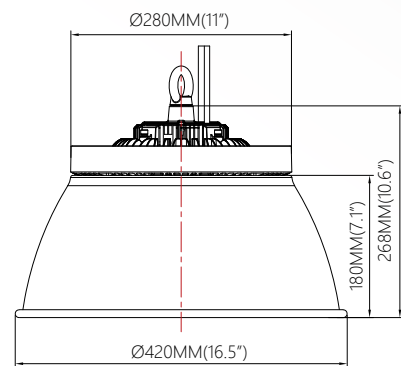
Hanging ring



U-Bracket(Options)



Microwave Sensor(Options)



Reflector(Options)

DATA SHEET						
OPTICS	Input Power (W)	80W	100W	120W	150W	200W
	Lumens Delivered @ 5000K	12,800lm	16,000lm	19,200lm	24,000lm	32,000lm
	Efficacy (lm/W)	160lm/W±5%				
	CRI	>80				
	IES LM-80 results and TM-21 calculations	>100,000 hours				
	CCT	Available in 4000K, 5000K & 6000K				
ELECTRICAL	Input Voltage	AC220-240V / AC120-277V ,50/60Hz				
	Max THD %	<10%				
	Power Factor	>95%				
PHYSICAL	Housing	ADC12 die-cast aluminum				
	Lens Type	PC				
	Weight	2.3KG(5.1LB)			2.5KG(5.5LB)	
CERTIFICATION	Certification	UL listed, FCC,CE,RoHS,SAA				
	Environment	Wet location listed, IP65				
THERMAL	Operating Temperature	-40°F - 122°F (-40°C - 50°C)				
	Humidity	10% - 90% RH, non condensing				
QUALIFICATION	DesignLights Consortium	DLC 5.1 Premium				
SMART OPTIONAL	Microwave Sensor / Microwave Sensor+WiFi+Bluetooth / Remote Control					
OTHER	Warranty	5-year standard warranty				

## Ordering Guide

Model: HG-HL-ABCD-EFGH-IHKLM, For example: HG-HL-150WL1D-50K8011-BKMG

Electric Character				Optics Character				Physical Character			Smart Optional	
A	B	C	D	E	F	G	H	I	J	K	L	M
Rated power	Input voltage	Driver brand	Dimming	CCT	CRI	LED CHIP	Beam Angle	Color	Installation	Lens	Sensor	Development Serial number
80W 100W 120W 150W 200W	L-100~277V H-277~480V	1-zhihe 2-sonsen 3-fahold	Blank-No dimmable D-Dimmable	30K-3000K 40K-4000K 50K-5000K 57K-5000K 60K-6000K	70-Ra70 80-Ra80 90-Ra90	1-Lumileds 2835 2-Osram3030 3-Philips3030 4-Osram2835 5-HWX3030 6-Runlite2835	1-90° 2-120°	BK-Black WH-White BR-Brown	Blank-Ring U-U-bracket	Blank-PC G-Glass	Blank-No sensor M-Microwave Sensor MWB-Microwave Sensor+WiFi+Bluetooth	Seventh generation - G

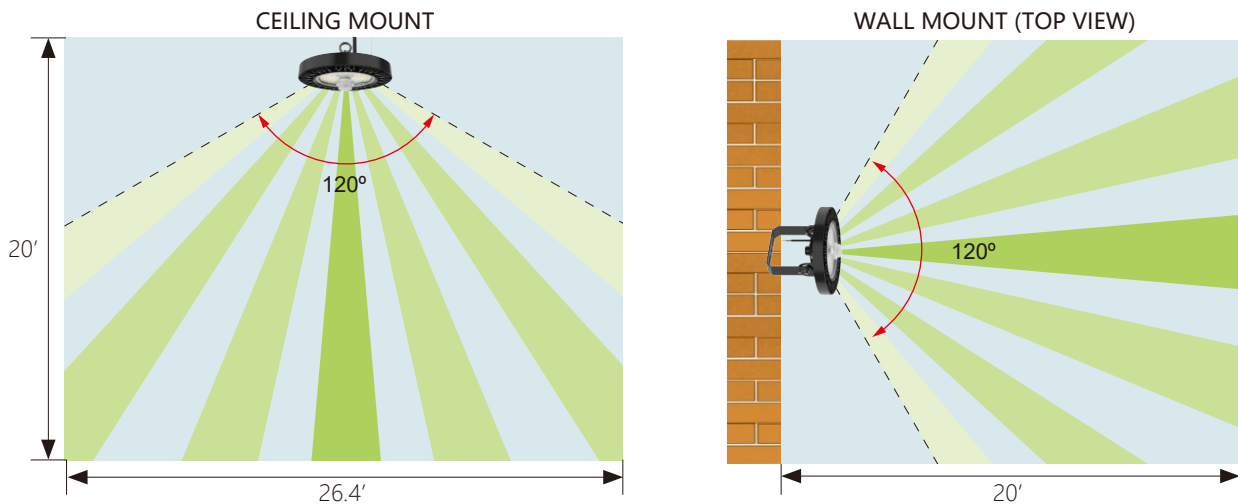
## Smart Optional

### Microwave Sensor:

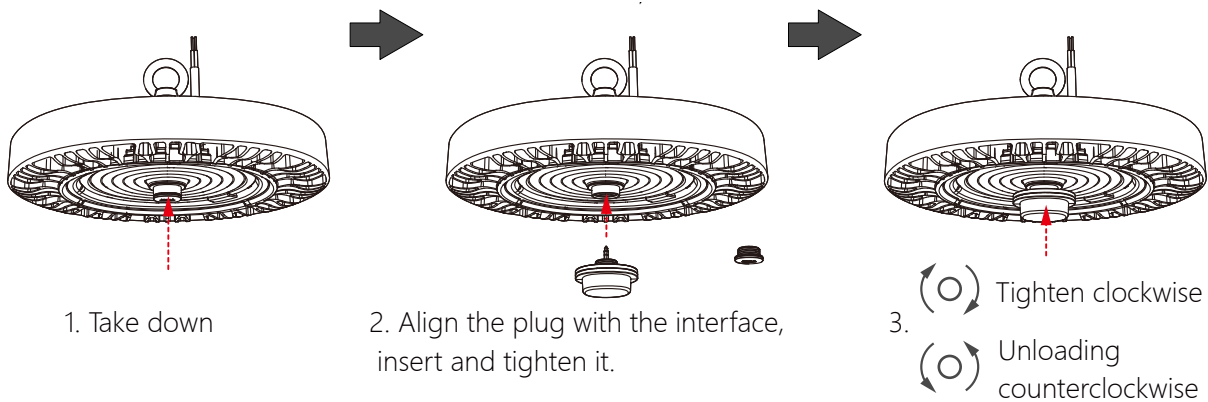
1. If no Microwave Sensor is detected: after 5 seconds, the lamp will switch to off.
2. If any Microwave Sensor is detected: lamp returns to 100% output for your pre-defined hold time.
3. If you need other control modes, you can set them by remote control.


Input Voltage	Output Voltage	Output Current	Detection Angle	Max. Mounting Height	Detection Diameter at Max. Mounting Height
12V	0-10V	20mA	120°	20'	26.4'

Typical Applications: warehouses, gymnasiums, corridors, parking garages








### Microwave Sensor (Installation Instruction)





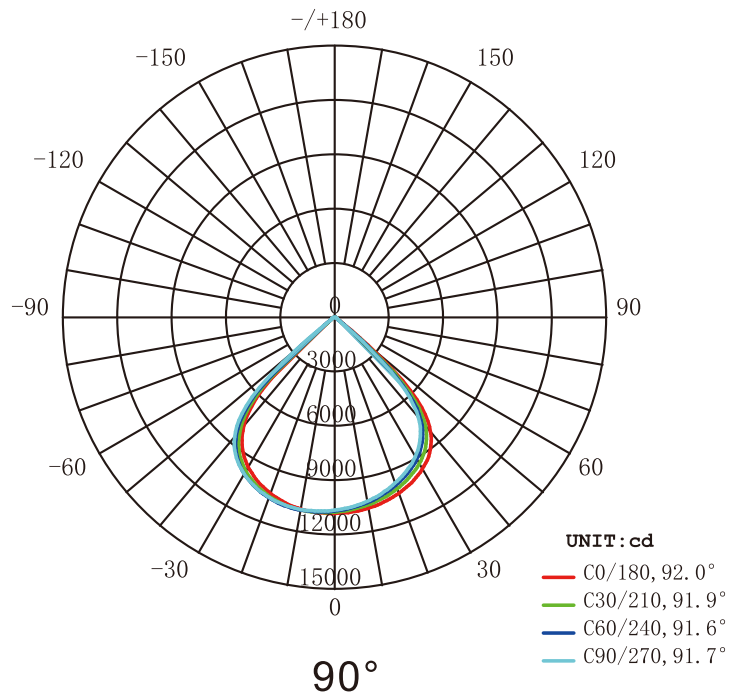
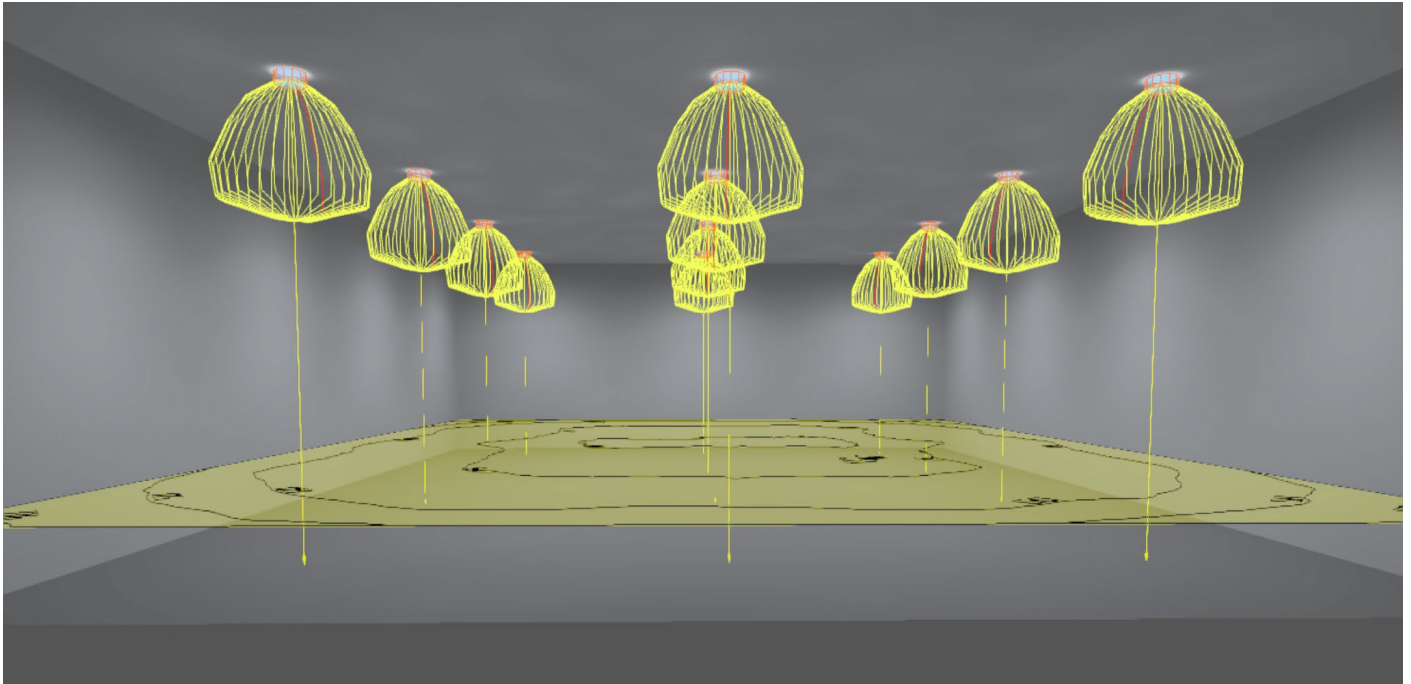
### Options

 Microwave Sensor	 +  +  Microwave Sensor    WiFi    Bluetooth	 Remote Control
---	--	---

## Optics

### Tech.Support:

Tell us the room L,W and usage,we have an engineer team to respond the DIALUX for lights quantity and effects, IES files are available upon request.



## Wiring diagram

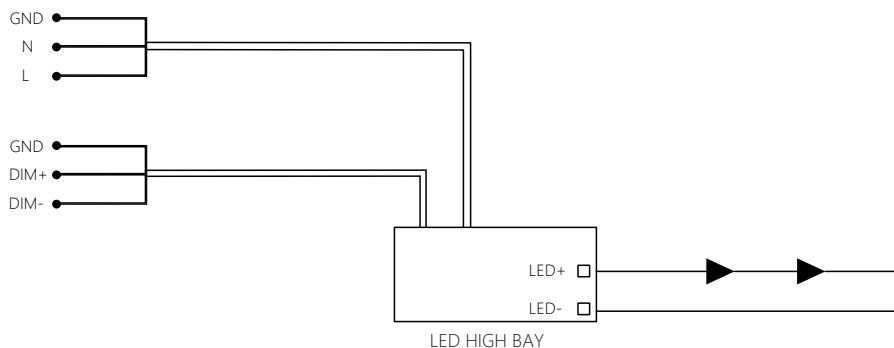
### Wiring Connection

Turn off the power, connect AC wire.

Dimmer connection ( With dimmable driver.)

1.Compatible with 0-10V dimming.

2.Connect wires as below.



## Package



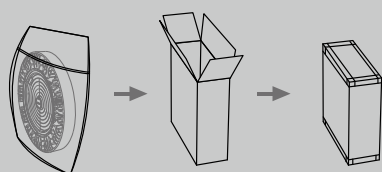
Inner box



Carton

Type	Package			
Model	80W/100W/120W/150W		200W	
Packing	Inner box	Carton	Inner box	Carton
Packing QTY	1pcs/CTN	5pcs/CTN	1pcs/CTN	5pcs/CTN
CTN SIZE	292x110x298 MM 11.4x4.3x11.7 INCH	594x308x320 MM 23.4x12.1x12.6 INCH	292x110x298 MM 11.4x4.3x11.7 INCH	594x308x320 MM 23.4x12.1x12.6 INCH
N.W.	2.3KG/5.1LB	11.5KG/25.3LB	2.5KG/5.5LB	12.5KG/27.6LB
G.W.	2.6KG/5.7LB	13.7KG/30.2LB	2.8KG/6.2LB	14.7KG/32.4LB
20GP	2205CTN	441CTN	2205CTN	441CTN
40GP	4585CTN	917CTN	4585CTN	917CTN
40HQ	5530CTN	1106CTN	5530CTN	1106CTN

Inner box  
1PCS



Carton  
5PCS

