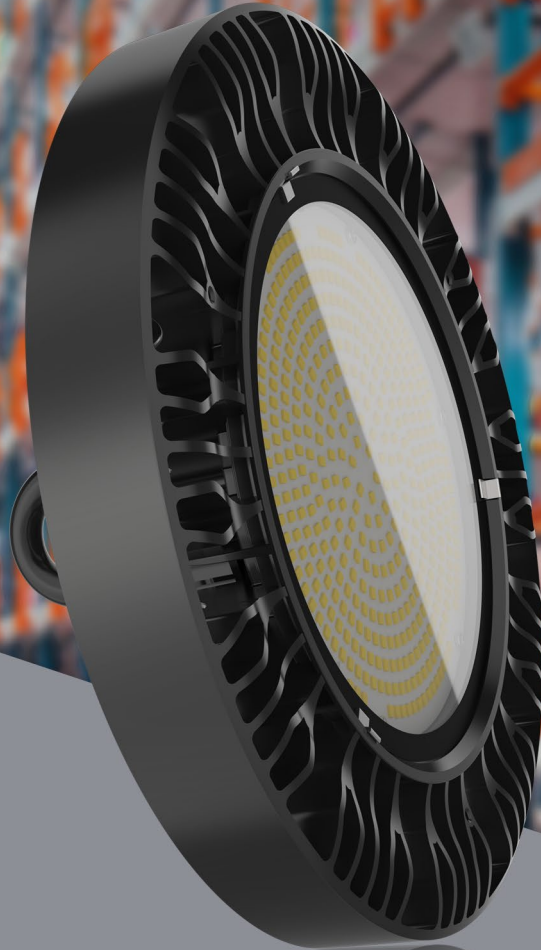


# HIGH BAY LIGHT FH7

Ultra-high efficiency  
up to 200 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

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;

**CCT:** Available 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

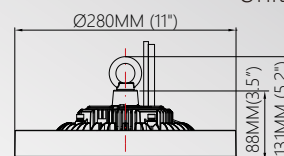


PC Reflector

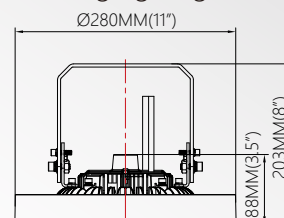


## Dimension

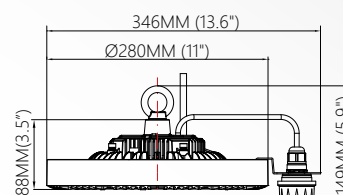
Unit:MM/INCH



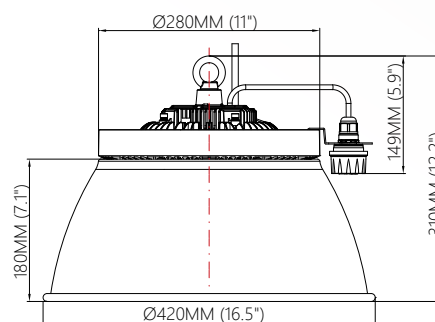
Hanging ring



U-Bracket(Options)



Microwave Sensor(Options)



Reflector(Options)

DATA SHEET			
OPTICS	Input Power (W)	80W	100W
	Lumens Delivered @ 5000K	16,000lm	20,000lm
	Efficacy (lm/W)	>200lm/W	
	CRI	>70	
	IES LM-80 results and TM-21 calculations	>100,000 hours	
	CCT	Available in 4000K, 5000K & 6000K	
ELECTRICAL	Input Voltage	AC120-277V ,50/60Hz	
	Max THD %	<10%	
	Power Factor	>95%	
PHYSICAL	Housing	ADC12 die-cast aluminum	
	Lens Type	Tempered glass lens	
	Weight	2.4KG(5.3LB)	
CERTIFICATION	Certification	UL listed, FCC	
	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 / PIR Sensor / Remote Control		
OTHER	Warranty	5-year standard warranty	

## Ordering Guide

Model: FH7-ABCD-EFGH-IHKLM, For example: FH7-80WLD-50K7023-S7BKGM

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	Dimension	Color	Installation	Lens	Sensor
80W 100W	L-≤277V H-≥277V	Blank or 1-5	Blank-No dimmable D-Dimmable	40K-4000K 50K-5000K 60K-6000K	70-Ra70	1-10	1-60° 2-90° 3-120°	S7-max80W M7-max100W	BK-Black WH-White	Blank-Ring U-U-bracket	Blank-PC G-Glass	Blank-No sensor M-Microwave Sensor P-PIR Sensor

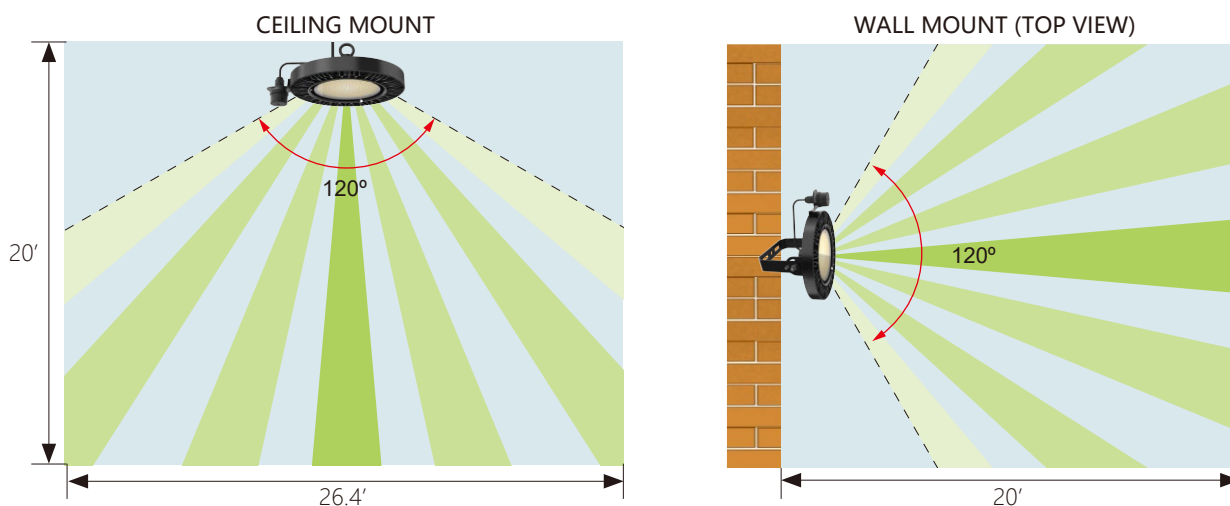
## Smart Optional

### 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'

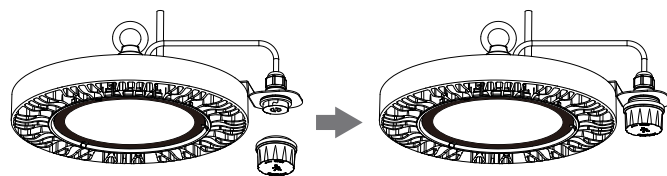
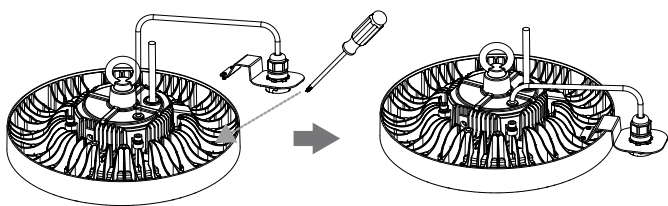
Typical Applications: warehouses, gymnasiums, corridors, parking garages



### Microwave Sensor (Installation Instruction)


Note: this description is for external version of microwave sensor

1. Fix the microwave sensor bracket with a cross screwdriver
2. Installing microwave sensor






Rotate and install according to sensor "OPEN、CLOSE" identifier





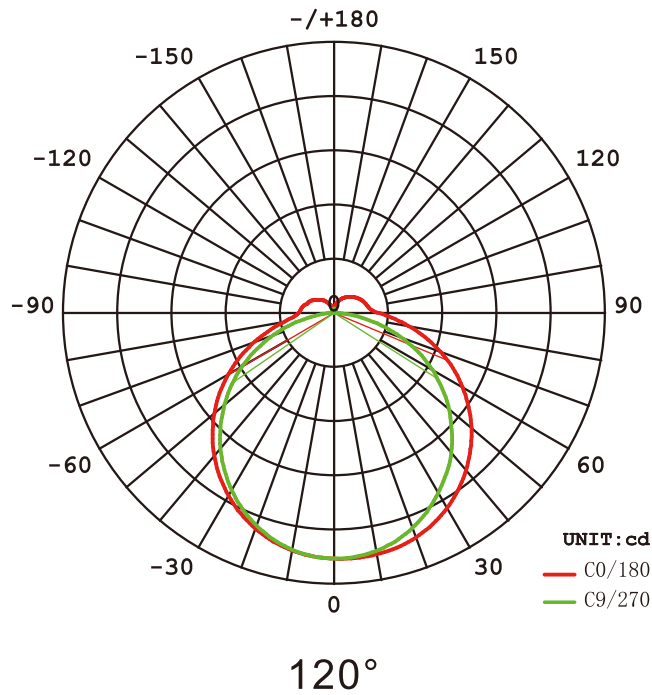
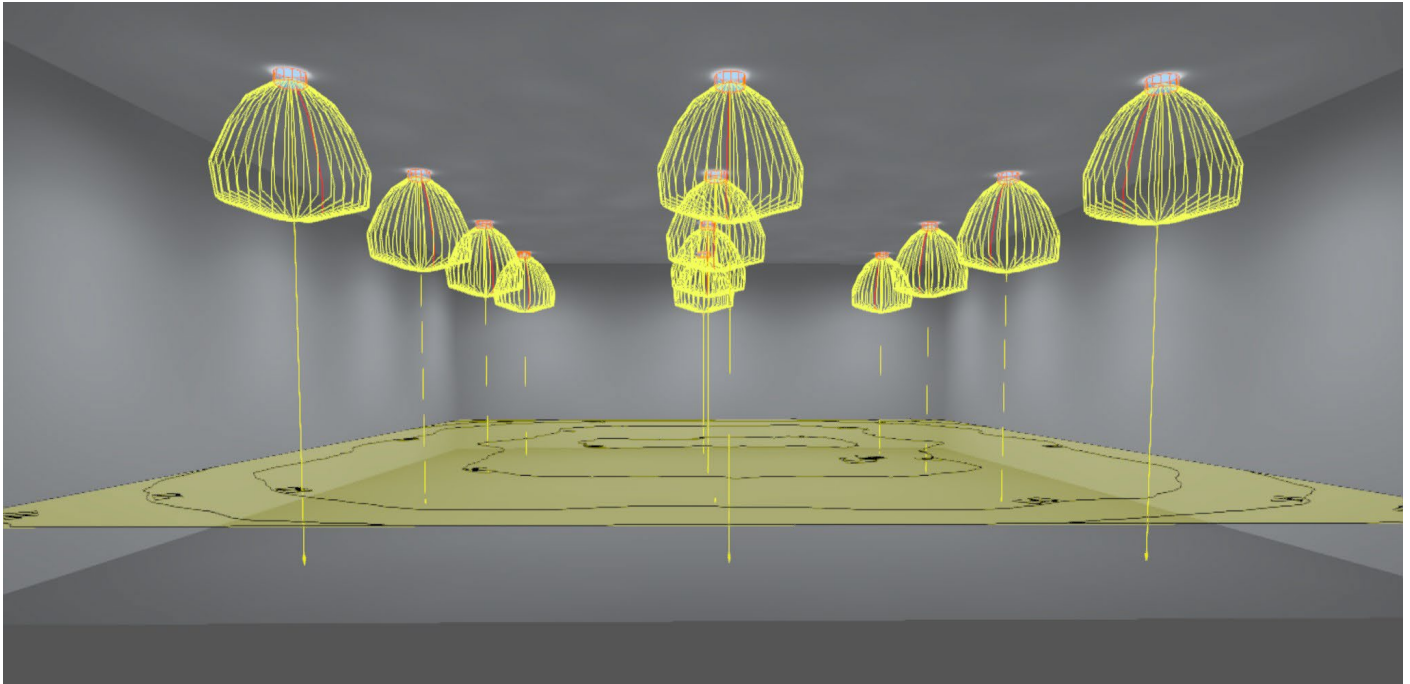
### Options

 Microwave Sensor	 PIR Sensor	 Remote Control
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## 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

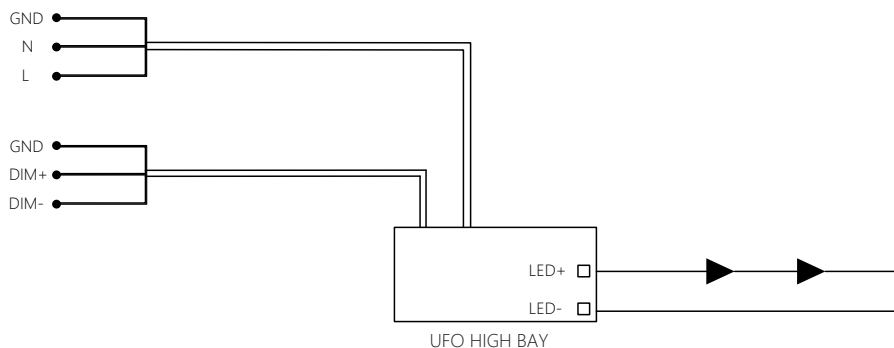
### Wiring Connection

Turn off the power, connect AC wire.

Dimmer connection ( With dimmable driver.)

1.Compatible with 0-10V dimming.

2.Connect wires as below.



## Package



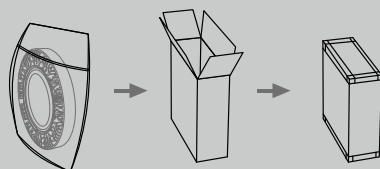
Inner box



Carton

Type	Package	
Model	80W/100W	
Packing	Inner box	Carton
Packing QTY	1pcs/CTN	5pcs/CTN
CTN SIZE	292x110x298 MM 11.4x4.3x11.7 INCH	594x308x320 MM 23.4x12.1x12.6 INCH
N.W.	2.4KG/5.3LB	12KG/26.4LB
G.W.	2.7KG/6LB	14.2KG/31.2LB
20GP	2205CTN	441CTN
40GP	4585CTN	917CTN
40HQ	5530CTN	1106CTN

Inner box  
1PCS



Carton  
5PCS

