DUALRAYS
Intelligent . Industrial

SPECIFICATION

5 YEAR WARRANTY

HB3™ UFO HIGH BAY
(Eco Version)

CE RoHS TÜV SÜD GS LM79 SAA

Features

DUALRAYS
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HB3
UFO High Bay
(Eco Version Non-isolated Driver)

> ADC12 Die-castign Al,Integrally Mold Forging,Excellent Thermal Conductivity;
> High Brightness SMD3030 LEDs, DUALRAYS Own-developed Driver;
> IP65 / IK08 Protection;
> 60°/90° (with Pearl Lens)/120° (with Toughened Glass Cover) beam angle optional;
> Corrosive Resistant Powder Coated Finish;
> D-Mark tested for the use in paper production,wood processing etc with toughened glass;
> Multiple Installations: Loop Hanging, Ceiling Mounting, Wall Mounting;
> Various intelligent control: 1-10V, Motion sensor, Daylight sensor,Zigbee and Emergency;
> Customized supported for special projects;

CE RoHS LM-79 LM-80 SAA D

> ADC12 Die-castign Al,Integrally Mold Forging,Excellent Thermal Conductivity;
> High Brightness LUMILEDS LUXEON SMD3030 2D LEDs, SOSEN/Meanwell HBG/ELG/HLG Round/Rectangle Driver;
> Built-in Plug and Play Motion Sensor with Compact Structure;
> IP65 / IK08 Protection;
> 60°/90° (with Pearl Lens)/120° (without Toughened Glass Cover) beam angle optional;
> Corrosive Resistant Powder Coated Finish;
> D-Mark tested for the use in paper production,wood processing etc with toughened glass;
> Multiple Installations: Loop Hanging, Ceiling Mounting, Wall Mounting;
> Various intelligent control: 1-10V,Motion sensor,Daylight sensor,Zigbee and Emergency;
> No UV or IR and completely mercury free;
> L70/B20 @ 60.000h;
> Customized supported for special projects;

Options:
> Driver: DUALRAYS Non-isolated Driver;
> Controls and Dimming: 1-10V, Motion sensor,Daylight sensor,Zigbee and Emergency;
> Reflector : PC reflector / Al reflector;
> Lens : 60°/90° (with Pearl Lens)/120° (with Toughened Glass Cover) beam angle optional;
> Installation: Loop Hanging, Ceiling Mounting, Wall Mounting;

Application

> Factories / Warehouses / Supermarket
> Exhibitions / Showrooms / Animal Farm
> Barns and Riding Halls / Logistic Center
> High Rooms and Halls / Stadium / Chemical Plant
> Traditional lamp replacement

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Fax: +86-(0)755-6164 1072 | Email: info@DUALRAYS.com
Add: 3rd Floor,Building A3 | Tianrui Industrial Park | #35,Fuyuan 1st Road,Fuyong Town,Bao'an Dist | Shenzhen 518103

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Technical Parameters

Model No.	DR-HB100-CGXP	DR-HB150-CGXP	DR-HB200-CGXP	DR-HB240-CGXP
System Watts/W	100W	150W	200W	240W
System Efficiency/LPW	140LPW			
Lumen Output/lm	14.000±5%	21.000±5%	28.000±5%	33.600±5%
Rated Input Voltage/V	AC100~277V, 50/60Hz			
LEDs Light Source	SMD3030			
SDCM	<5			
CCT/K	5000K for Standard (3000K/4000K/5700K/6500K Optional)			
CRI/Ra	>70Ra (>80Ra for Option)			
Power Factor	>0.95			
THD	<10%			
Beam Angle(Optional)	60°/90°/120°			
UGR	<25			
Surge Protection	3.75~4KV SPD built in Driver,Exterior SPD 20KV Meanwell Optional			
LED Driver	DUALRAYS Own-developed High PF Non-isolated Driver			
IP Rating	IP65			
Dimming(Optional)	0/1-10V/Zigbee			
Sensor(Optional)	Motion Sensor,Daylight Sensor			
Emergency(Optional)	Available (30W @ 3Hrs for Standard)			
Protection Class	ClassⅠ			
Finishing Color(Optional)	Black RAL9017(Standard) / White RAL9016 Optional			
Material	Aluminum+PC (Toughened Glass Cover Optional）			
Lifespan/hrs	60.000 Hrs (Ta=30℃@L70)			
Operation Temp/℃	−40°C to + 50°C(-40°F to 122°F)			
Storage Temp/℃	−40°C to + 65°C(-40°F to 149°F)			
Installation(Optional)	Loop Hanging, Ceiling Mounting, Wall Mounting			
Certificate	CE(EMC+LVD),RoHS,ENEC ,D-Mark,SAA,RCM Available			

Dimensions

Character/Power	100W	150W	200W	240W
A	Ø250mm	Ø300mm	Ø345mm	Ø345mm
B	178mm	181mm	183mm	183mm
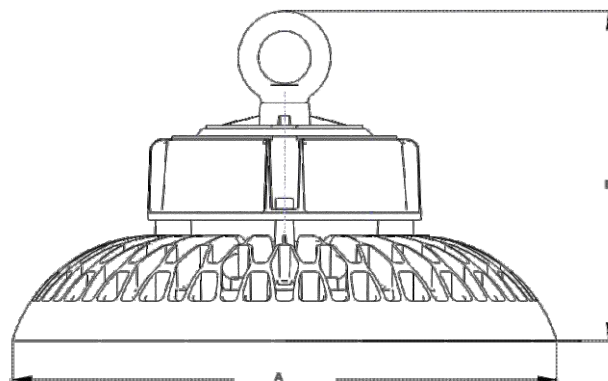
Photometry Disgram

60°   90°   120°
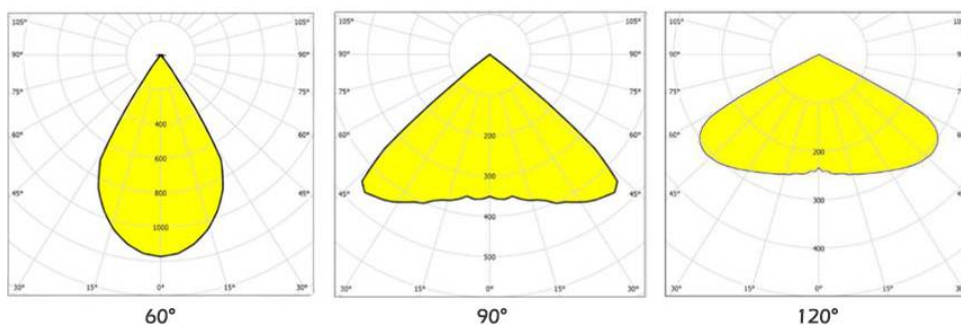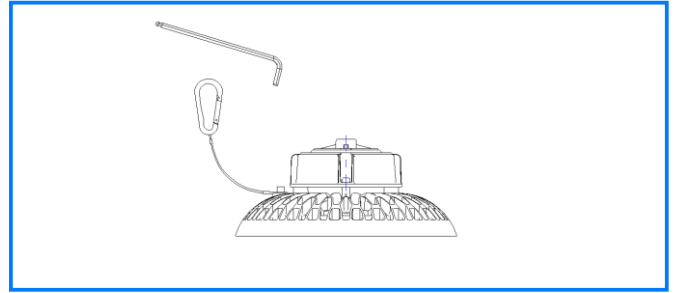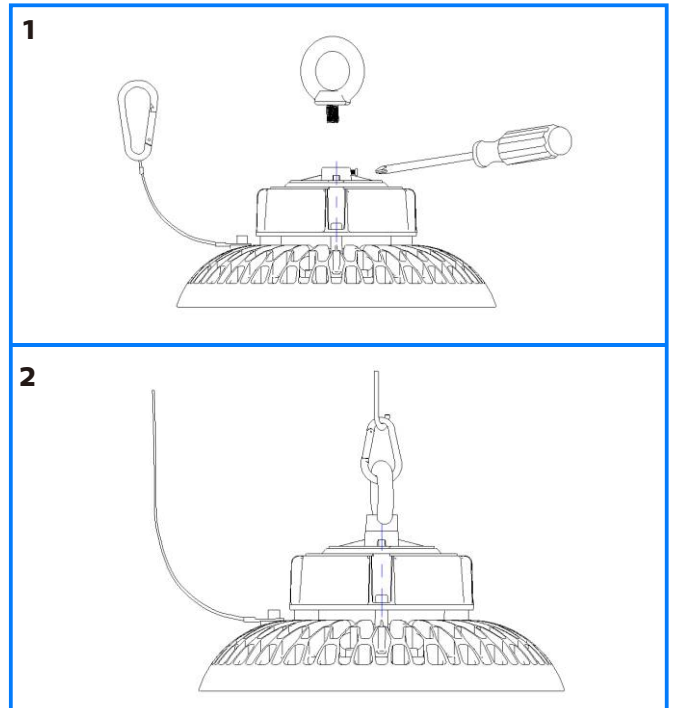
Installation

Preparatory Work

1. Loosen the screw with a screwdriver,tighten the ring of the safety chain.

2.Tighten the screw and fix the cable with screwdriver.

Loop Hanging

1. Take out the light fixture and match with the hang or chain in the ceiling.

2.Connect the safety chain to a fixed support.

3. Connect the wires according to the wiring diagram.

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Adjustable Surface Mounting

1. Drill 2 holes in the ceiling or wall according to the size of U-bracket.(Figure 1)

2.Tighten the light fixture with expand screws or M10 bolts.

3. Connect the wires according to the wiring diagram.

4. Loosen fixed bolts with screwdriver and adjust the right position.

5. Fastern the fixed bolts.

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10.5 [0.41]
Ø13.5 [Ø0.53]
123.9 [4.88]
183.1 [7.21]

2
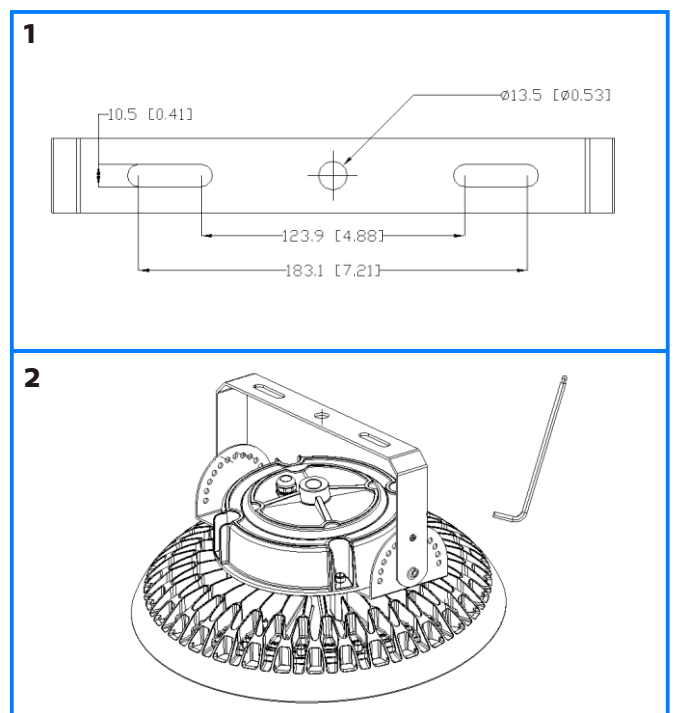
IMPORTANT SAFETY INFORMATION:
Please read all the instructions below before installation
> Make sure that the supply voltage corresponds to the rated product voltage;
> The product must be installed by a qualifed electrician in accordance with the National Electrical Code and corresponding local codes.
> If the product is damaged, do not use it!

⚠ Turn Off Power Supply

Wiring Diagram

L	brown	black
N	blue	white
⊕ GND	yellow/green	green

Dimmable

| DIM+ | blue | brown | purple | white |
| DIM- | white | blue | gray | black |

RISK OF PERSONAL INJURY – READ and follow all WARNINGS and installation instructions.
Keep or give to the owner for future reference.

Risk of cuts: Wear gloves to prevent cuts or abrasions when removing from carton, handling, installing, and maintaining this product.
Risk of electric shock: This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.
Risk of Fire: Minimum 194°F supply conductors. Consult a qualifed electrician to ensure correct branch circuit conductor.

DUALRAYS® assumes no responsibility for claims arising out of improper or careless Installation or handling of this product.

Packaging Information

Model No.	Net Weight/Kg	Outer Carton Size/mm	Gross Weight/Kg	QTY"/CTN
DR-HB100-CGXP	2.2	320*320*165	2. 9	1PCS
DR-HB150-CGXP	2.4	355*350*165	3.1	1PCS
DR-HB200-CGXP	2.5	410*410*175	3.3	1PCS
DR-HB240-CGXP	2.9	410*410*175	3.8	1PCS

Details Demo
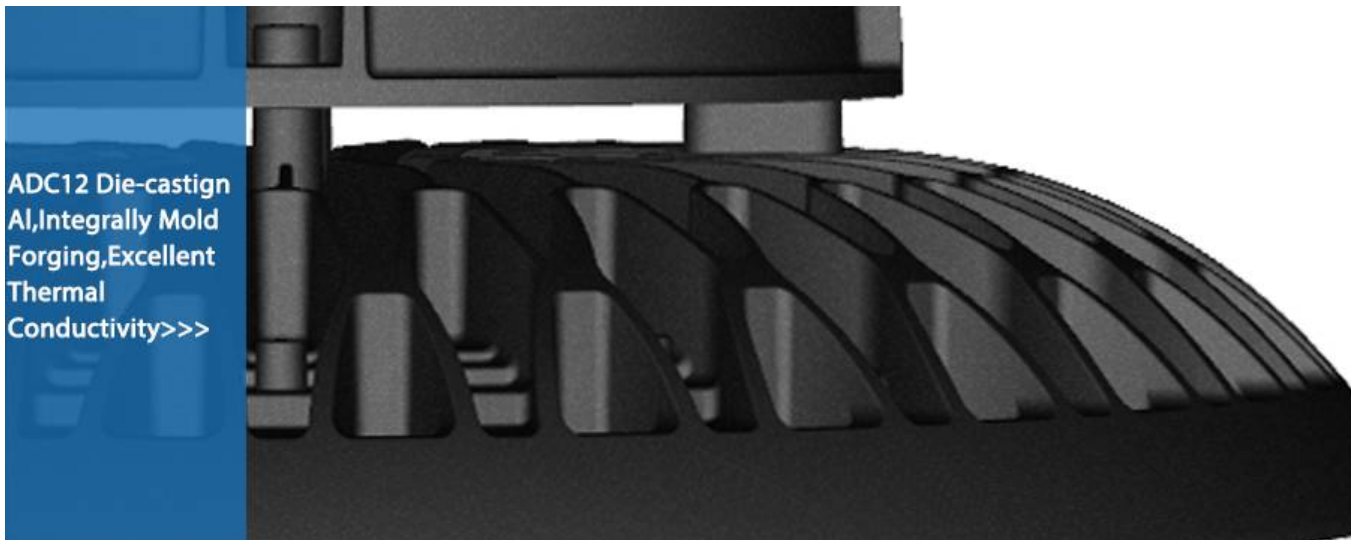
ADC12 Die-castign Al,Integrally Mold Forging,Excellent Thermal Conductivity>>>

DUALRAYS
Own-developed
High PF
Non-isolated
Driver>>>
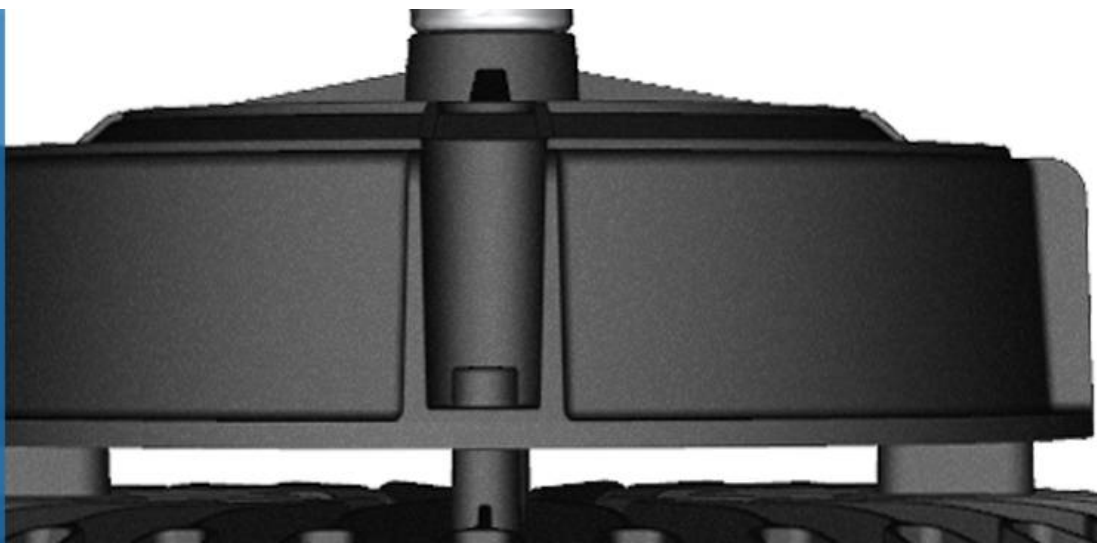
Zigbee Wireless Smart Control>>>

Multi-function Switch

Terminal

Remote Controller

Router

Gateway

Mobile App

KNX Protocal Device with KNX Bus (2/4/8/12 Channel for Option)>>>

KNX®

Wi Fi

Termostato 1   Termostato 2   Termostato 3   Termostato 4   Termostato 5

LAN
TCP/IP

Web Server KNX/IP

Bus KNX

Attuatore

Alimentatore

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