SPECIFICATION

5 YEAR WARRANTY

HB3™ UFO HIGH BAY
(Eco Version)

CE RoHS TÜV SÜD GS LM79 SAA

Features

HB3
UFO High Bay

(Eco Version Non-isolated Driver)

> ADC12 Die-castign Al,Integrally Mold Forging,Excellent Thermal Conductivity;
> High Brightness SMD2835 LEDs(1W), DUALRAYS Own-developed Driver;
> IP65 / IK08 Protection;
> 60°/90° /120° 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

> ADC12 Die-castign Al,Integrally Mold Forging,Excellent Thermal Conductivity;
> High Brightness SMD2835 LEDs (1W), DUALRAYS Own-developed Non-isolated Driver;
> IP65 / IK08 Protection;
> 60°/90° /120°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 Own-developed Non-isolated Driver;
> Controls and Dimming: 1-10V, Motion sensor,Daylight sensor,Zigbee and Emergency;
> Reflector : PC reflector / Al reflector;
> Lens : 60°/90°/120° beam angle optional;
> Installation: Loop Hanging, Ceiling Mounting, Wall Mounting;

Application

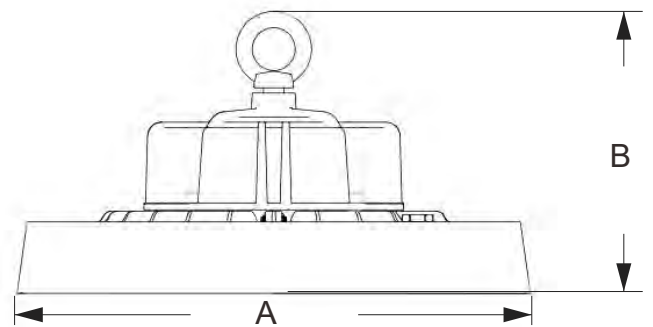> Factories / Warehouses / Supermarket
> Exhibitions / Showrooms / Animal Farm
> Barns and Riding Halls / Logistic Center
> High Rooms and Halls / Stadium / Chemical Plant
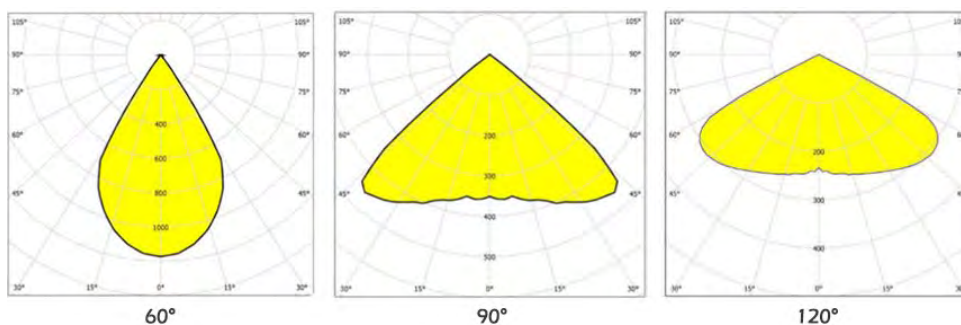> Traditional lamp replacement

Web: www.DUALRAYS.com | Tel: +86-(0)755-2306 6948
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
System Watts/W	100W	150W	200W
System Efficiency/LPW	140LPW / 160LPW		
Lumen Output/lm	14.000/16.000±5%	21.000/24.000±5%	28.000/32.0000±5%
Rated Input Voltage/V	AC100~277V, 50/60Hz		
LEDs Light Source	SMD2835 (1W)		
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	Class Ⅰ		
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	120W	160W	200W
A	Ø241mm	Ø299mm	Ø350mm
B	147mm	149mm	170mm

Photometry Disgram

60°   90°   120°

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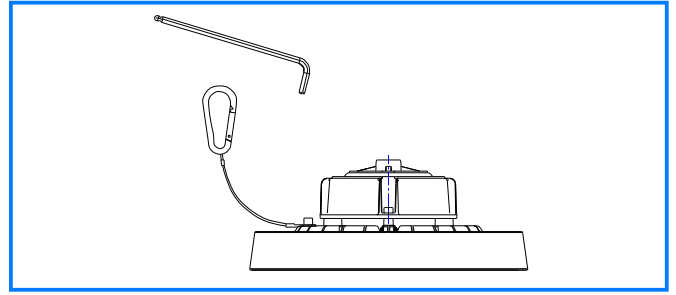Add: 3rd Floor,Building A3 | Tianrui Industrial Park | #35,Fuyuan 1st Road,Fuyong Town,Bao'an Dist | Shenzhen 518103
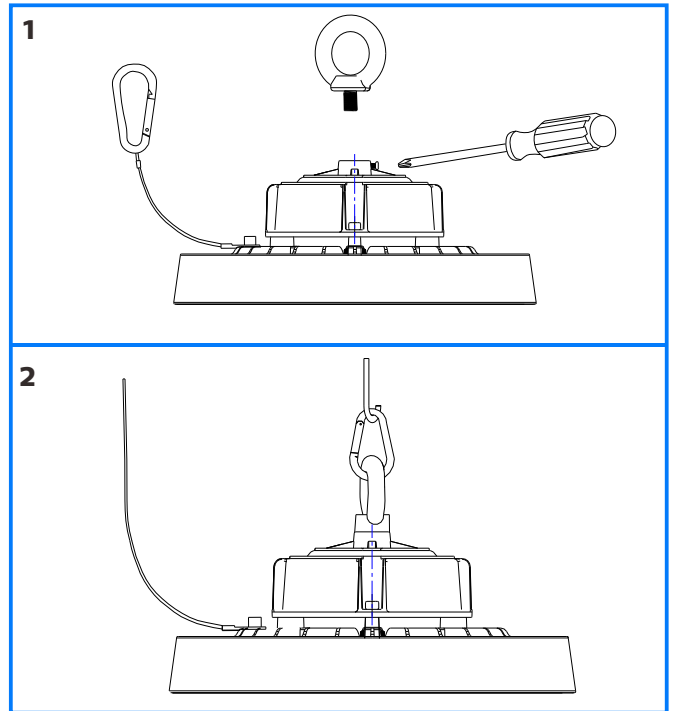
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Installation

Preparatory Work

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

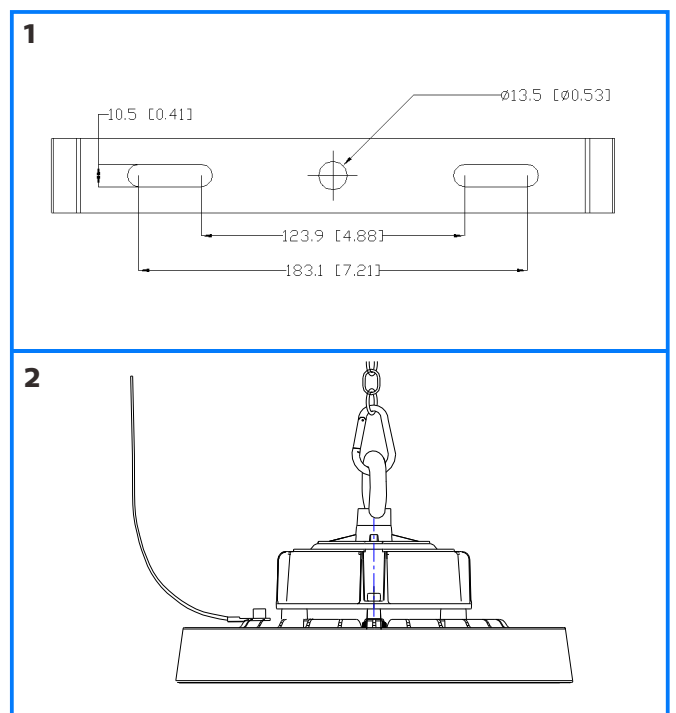2. Tighten the screw and fix the cable with screwdriver.

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

INSTALLATION GUIDE
IMPORTANT SAFETY INFORMATION:

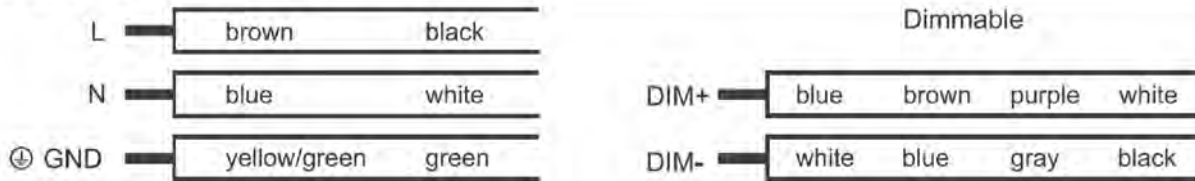**Please read all the instructions below before installation**

> 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

					Dimmable			
L	brown	black		DIM+	blue	brown	purple	white
N	blue	white		DIM-	white	blue	gray	black
⊕ GND	yellow/green	green						

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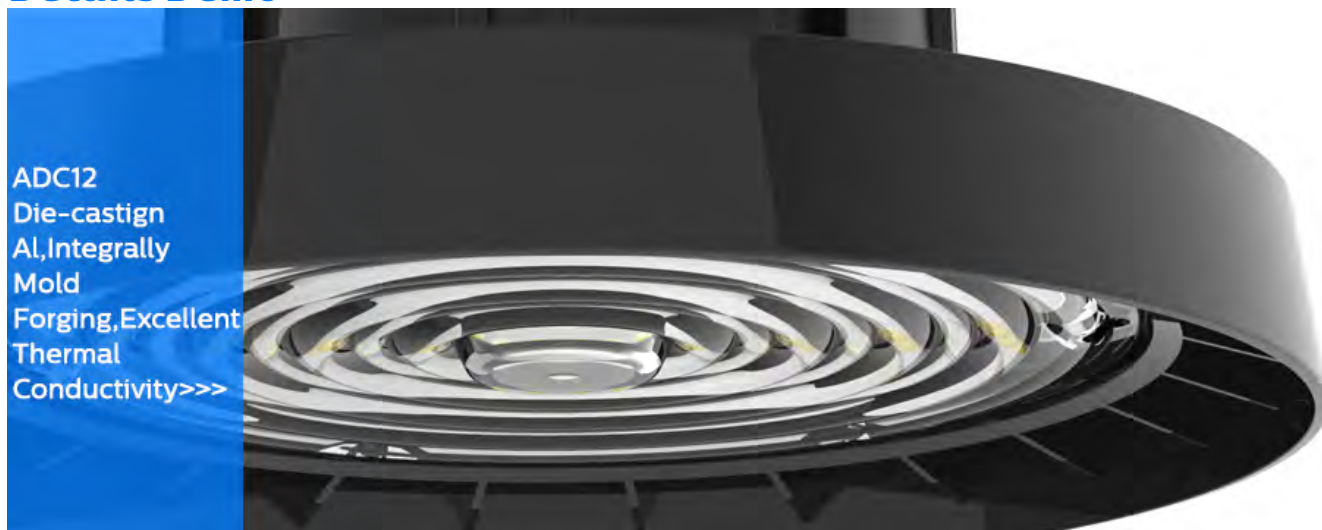Keep or give to the owner for future reference.

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	2.1	300*300*170	2. 6	1PCS
DR-HB150-CGXP	2.3	330*330*170	3.1	1PCS
DR-HB200-CGXP	2.5	370*370*170	3.4	1PCS

Details Demo

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

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DUALRAYS Own-developed High-efficiency Non-isolated Driver>>>

Zigbee Wireless Smart Control>>>

Gateway

Router

Terminal

Multi-function Switch

Remote Controller

Mobile App

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

KNX®

Wi Fi

Bus KNX

Termostato 1 Termostato 2 Termostato 3 Termostato 4 Termostato 5

Attuatore

Alimentatore

Web Server KNX/IP

LAN TCP/IP

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