

Datasheet

MatePro UFO Highbay

Honeycomb Low Glare , Up to 160LM/W



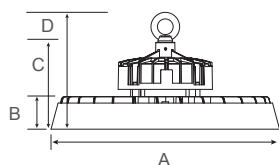
• Product Features

- > Highly energy efficient - up to 160 lm/w
- > Special heat sink design for excellent heating dissipation
- > IP65 / IK10 for all industrial applications
- > Driver and housing separated by spacers
- > Superior honeycomb-reflector-optic for low glare with 60° or 90°
- > Newest generation 1W SMD2835 as light source
- > D-Mark tested for the use in paper production, wood processing etc.
- > No UV or IR and completely mercury free
- > L80/B10 @ 50.000h
- > 5 years warranty

• Options

- > Drivers: Meanwell, Philips, Sosen
- > Controls and Dimming
 - Zigbee wireless control · 1-10V Dimming
 - Motion sensor · Emergency
 - DALI control · Daylight sensor
- > Driver shape: round or rectangular
- > Reflector : See page of accessories
- > Installation: See page of accessories
- > Lumen efficacy: 140Lm/w or 160Lm/w
- > UP-Light 8W/1000LM

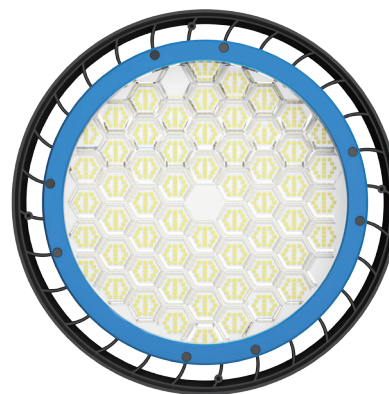
• Dimension



| Product Name | A | B | C | D |
|--------------|------|----|-----|-----|
| D300 | Φ300 | 65 | 155 | 205 |
| D350 | Φ350 | 65 | 155 | 205 |

Unit:mm

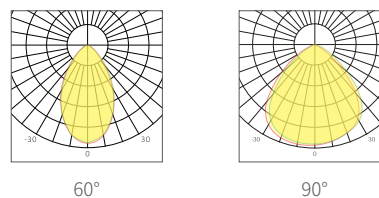
• Product Picture



• Applications

- > Factories / Warehouses /Workshops
- > Exhibitions & showrooms
- > Barns and riding halls
- > High rooms and halls
- > Traditional lamp replacement

• Photometry Curve



• Product code policy

HB XX -XX X XX - X X X X X- XXX
 01 02 03 04 05 06 07 08 09 10 11

01. Product category: HB: High Bay Light
02. Product dimension: eg: 30:Φ300mm;
03. Rated power: eg: 1A: 100W; 1B: 150W
04. Luminous Efficacy: A:Advanced 140LM/W
05. Color Temperature: eg:N1: 4000~4500K
06. Product name: U: UFO Highbay
07. Product version: H:Honeycomb
08. Electrical function:N:ON/OFF
- 09.Power attribute:5:AC100-277V Flicker free power drive
- 10.Power supply manufacturer
- 11.Series No.: 001-499.

• Technical / Electrical Characters (at TA=25°C)

| Item | Symbol | Advance:140LM/W | | | | Deluxe:160LM/W | | | |
|--------------------------------|---------|----------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | | D300 | D300 | D350 | D350 | D300 | D300 | D350 | D350 |
| Unit Power | W | 100W | 150W | 200W | 240W | 100W | 150W | 200W | 240W |
| Product Code | / | HB30-1AAN1 -UHN5M-001 | HB30-1BAN1 -UHN5M-001 | HB30-2AAN1 -UHN5M-001 | HB30-2BAN1 -UHN5M-001 | HB30-1ADN1 -UHN5M-001 | HB30-1BDN1 -UHN5M-001 | HB35-2ADN1 -UHN5M-001 | HB35-2BDN1 -UHN5M-001 |
| LED Type/Qty | SMD2835 | 444 | 444 | 636 | 636 | 444 | 444 | 636 | 636 |
| Lumen Efficacy | Lm/w | typ.140 | typ.140 | typ.140 | typ.140 | typ.160 | typ.160 | typ.160 | typ.160 |
| Luminous Flux | LM | typ.14000 | typ.21000 | typ.28000 | typ.36600 | typ.16000 | typ.24000 | typ.32000 | typ.38400 |
| Color Index | CRI(Ra) | Ra>80 | | | | | | | |
| UGR | / | UGR<22 | | | | | | | |
| Color Temperature | TC(K) | WW:3000K, NW:4000K, PW:5000K, CW:6000K | | | | | | | |
| Beam Angle | Degree | 60°/90° | | | | | | | |
| Dimming Function | / | · Zigbee wireless control | | · 1-10V Dimming | | · Motion sensor | | · Emergency | |
| LED current | mA | Constant 60mA | | | | | | | |
| Input Voltage | V | AC100~277V/50Hz | | | | | | | |
| Working Voltage | V | Constant DC36~60V | | | | | | | |
| Housing material | / | Aluminum + PC | | | | | | | |
| Protection Class | IP | IP65/IK10 | | | | | | | |
| Temperature | °C | Operation:-15°C~+50°C | | | | Storage:-25°C~+55°C | | | |
| Life Span | h | 50,000 hours | | | | | | | |
| Switching Cycle before Failure | / | >100,000 times | | | | | | | |
| Warranty | / | 5 years | | | | | | | |

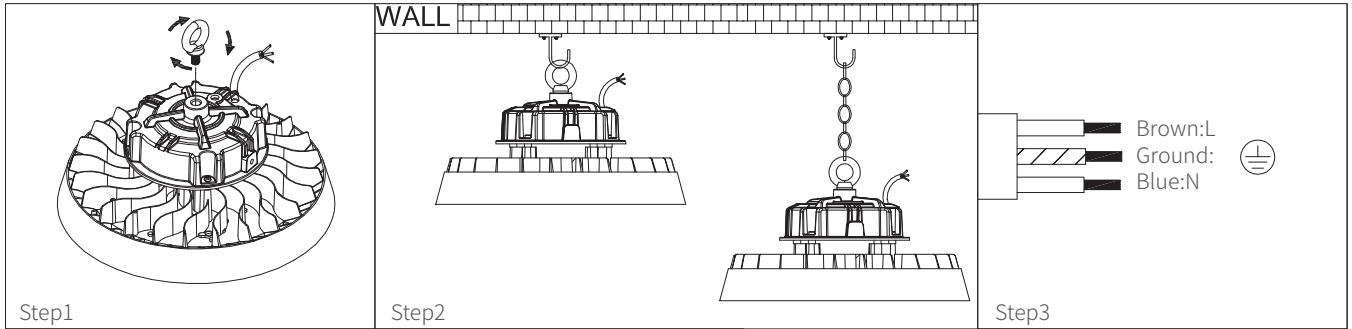
• ErP Technical Specification

| Item | Symbol | Specification / Data |
|--------------------------------------|--------|-----------------------------------|
| Power factor | PF | >0.95 |
| Efficiency in | % | >93% |
| Energy efficiency Class | / | A++ |
| Standard deviation of color matching | / | <5 |
| Starting Time | S | <0.25 |
| Warm-up time to 60% | S | <0.55 |
| Rated nominal Lifetime | / | >50,000 hours |
| Driver MTBF | / / | 200,000 hours.MIL-HDBK-217F(25°C) |
| Lumen Maintenance at e.o.l. | % | >70% |
| LED Device Lifetime | / | L80/B10@50,000 hours |

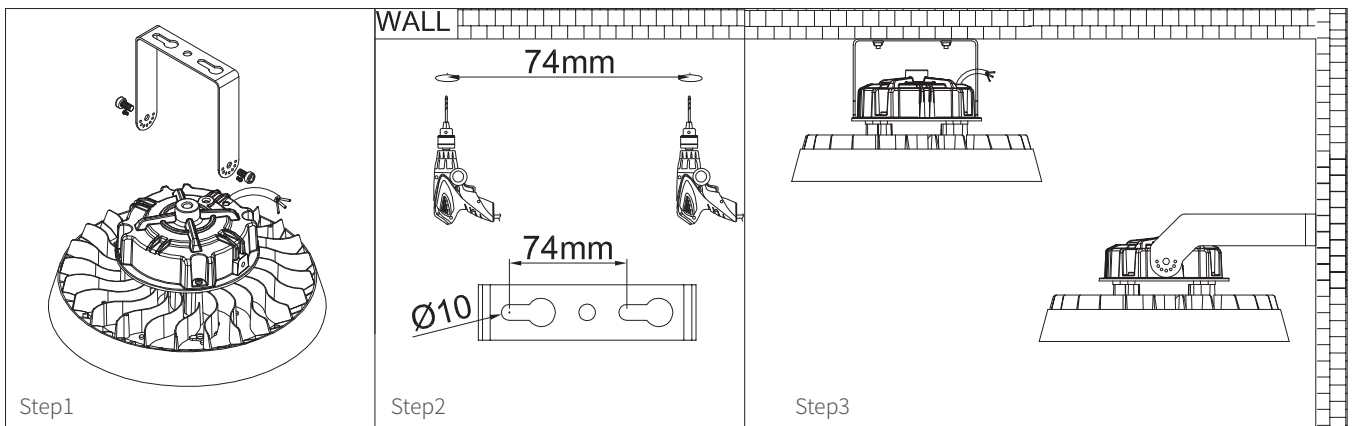


• Installation Instructions

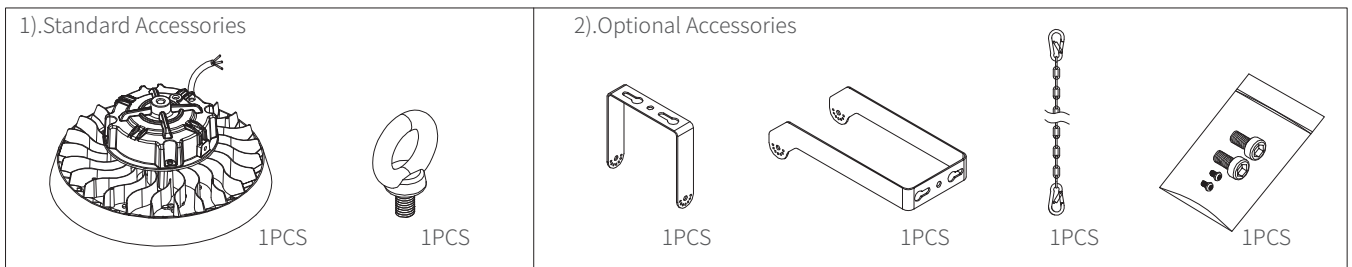
1. Hook mounted



2. Bracket mounted



3. Parts included



• Package

| Product Type | Rated Power | Inner Box | Qty/Carton | Unit N.W | G.W/Carton |
|--------------|-------------|--------------------|------------|----------|------------|
| D300 | 100/150W | 340 x 340 x 200 mm | 1Pcs | 4.1Kg | 4.3Kg |
| D350 | 200/240W | 390 x 390 x 205 mm | 1Pcs | 5.4Kg | 5.6Kg |

! CAUTION

- ※ In case of electric shock, please make sure the power is off before installation.
- ※ The lamp should be installed and operated by a qualified electrician or technician in accordance with relevant local codes.
- ※ Do not use sharp tools near or on the surface of the lamp.
- ※ Unpack and examine the product carefully. Report any damage and save all packing materials if any portion of the product was damaged during transportation.