# FOOD GRADE LIGHTING
# H6

Ultra-high efficiency up to 140 lm/W

**IP66 / IP69K**

**5 YEAR WARRANTY**

**QUICK SHIP**

**IK10**

**FC**

**CE**

**RoHS**

**Dimmable**

**UL CERTIFIED**

**TÜVRheinland ZERTIFIZIERT**

**GS geprüfte Sicherheit**

**Wet location**

**DLC QPL LISTED PREMIUM**

**SAA APPROVALS**

**NSF**

Note: Please refer to https://www.designlights.org/searcher for more details.

# HIGH LIGHT · DURABLE · SAVE COST
# 150W/200W

Widely used in food stores, food processing plants, workshops, etc.

# FOOD GRADE LIGHTING H6

## 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
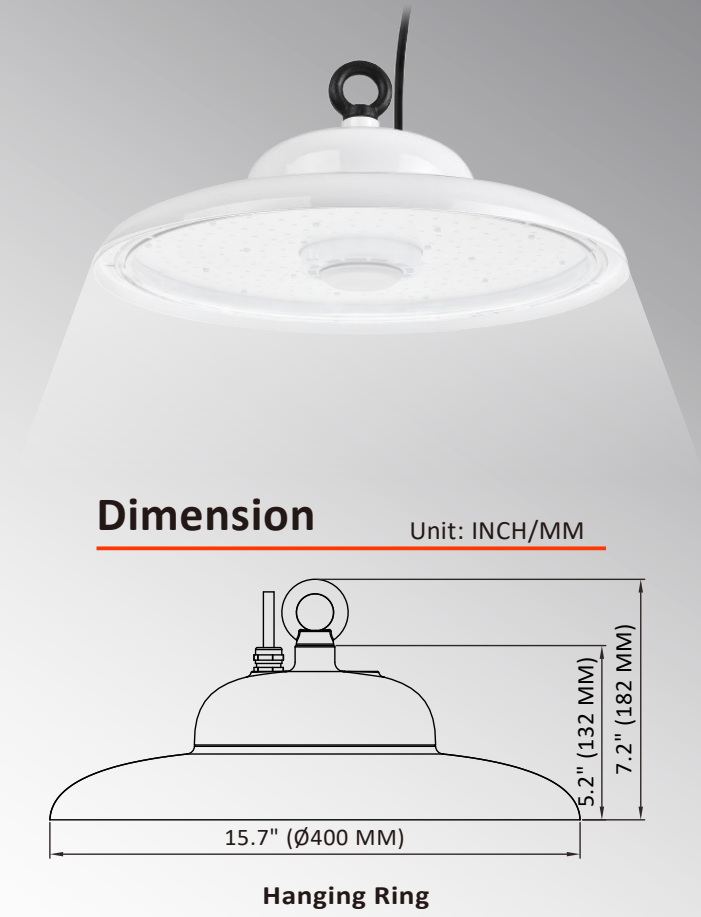
**Driver: 150W:**

Constant current, 50/60 Hz., 100-277V, 1.50A @ 100V, 0.72A @ 208V, 0.62A @ 240V, 0.54A @ 277V

**CCT:** 5000K color temperature per ANSI C78.377

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

**Finish:** White (standard)/Customerization
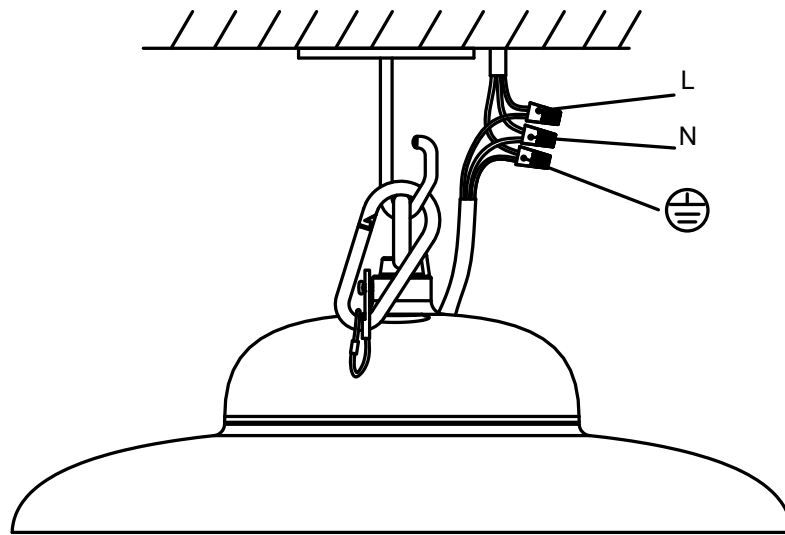
**Housing:** ADC12 die-cast aluminum

## Dimension

Unit: INCH/MM

5.2" (132 MM)

7.2" (182 MM)

15.7" (Ø400 MM)

**Hanging Ring**

| DATA SHEET | | |
|---|---|---|
| **OPTICS** | Input Power (W) | 150W |
| | Lumens Delivered @ 5000K | 21,000 lm |
| | Efficacy (lm/W) | >140lm/W |
| | CRI | >80 |
| | IES LM-80 results and TM-21 calculations | >100,000 hours |
| | CCT | Available in 5000K |
| **ELECTRICAL** | Input Voltage | AC100-277V ,50/60Hz |
| | Max THD % | <10% |
| | Power Factor | >95% |
| **PHYSICAL** | Housing | ADC12 die-cast aluminum |
| | Lens Tpye | PC |
| | Beam Angle | 110° |
| **CERTIFICATION** | Certification | NSF, UL listed, FCC, CE, RoHS, TUV, SAA |
| | Environment | Wet location listed, IP66, IP69K |
| **THERMAL** | Operating Temperature | -40°F - 113°F (-40°C - 45°C) |
| | Humidity | 10% - 90% RH, non condensing |
| **QUALIFICATION** | DesignLights Consortium | Listed on QPL DLC 5.1 Premium |
| **Surge Protection** | | Built-in 6kV surge protection |
| **Accessory** | | Ring bolt mounting accessory included with safety hanging kit |

## Classic Display



● Round arc-shaped fashion industrial design, die-casting aluminum heat dissipation shell, good heat dissipation performance, white piano paint appearance and surface treatment process.

●  There are no screws on the outer surface of the lamp. They are cleverly hidden inside to enhance safety.

● Top ten innovative products of the fourth Qianhai Bay Lighting Engineering Award.

● High Performance LED: Easily upgrade existing H.I.D and fluorescent fixtures with this high performance LED luminaire

●  IP69K (IP66) waterproof fully sealed construction and suitable for wet locations. It is also IK10 impact resistant.
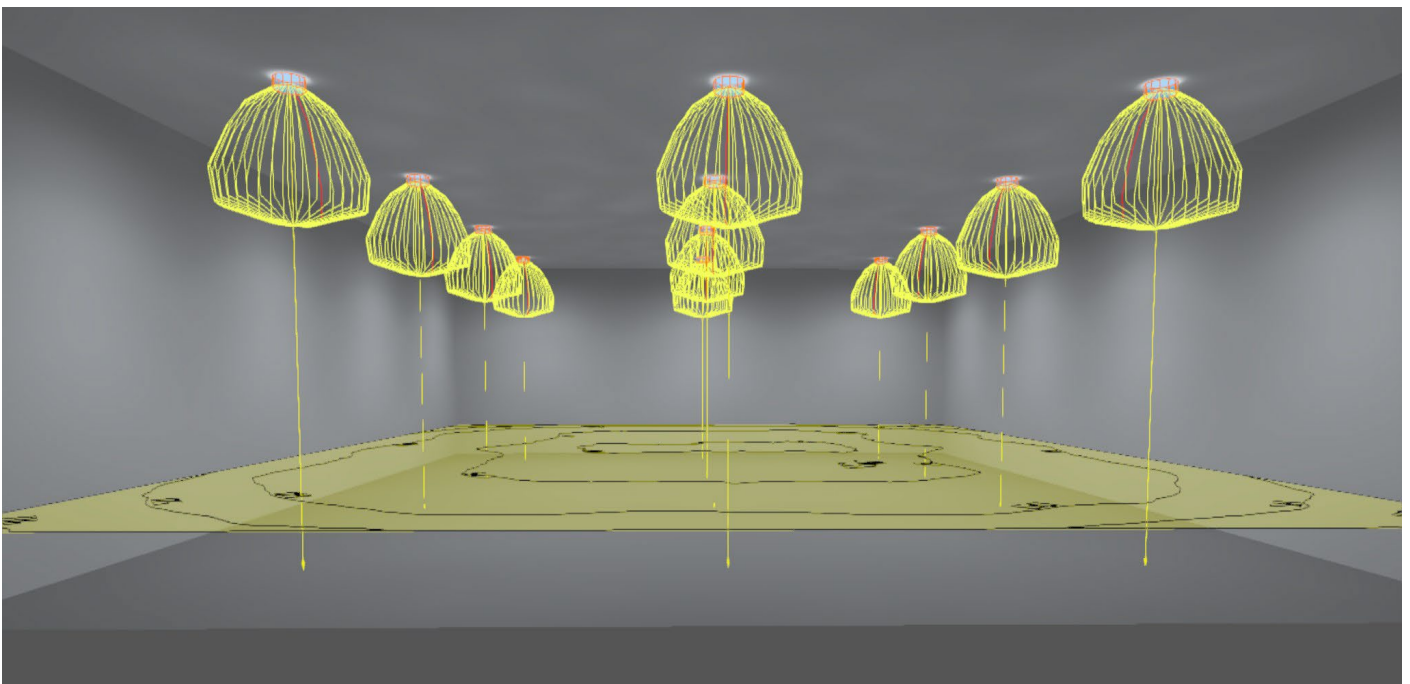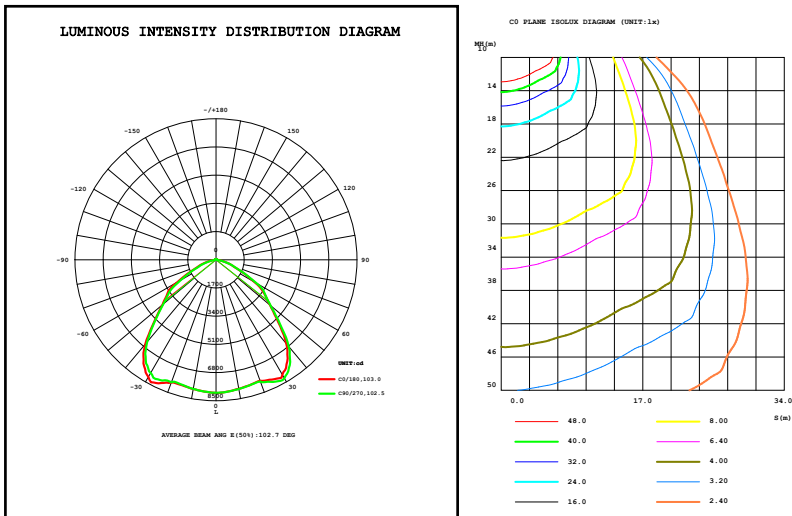
## Installation Diagram



**Hanging Ring**

## 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 fils are available upon request.

# FOOD GRADE LIGHTING H6

## Photometric Specification



LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

UNIT:cd
C0/180,103.0
C90/270,102.5

AVERAGE BEAM ANG E(50%):102.7 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)

| | |
|---|---|
| 48.0 | 8.00 |
| 40.0 | 6.40 |
| 32.0 | 4.00 |
| 24.0 | 3.20 |
| 16.0 | 2.40 |

## Wiring Diagram

### Wiring Connection

Turn off the power, connect AC wire. Dimmer connection (With dimmable driver.)

1. Compatible with 0-10V dimming.
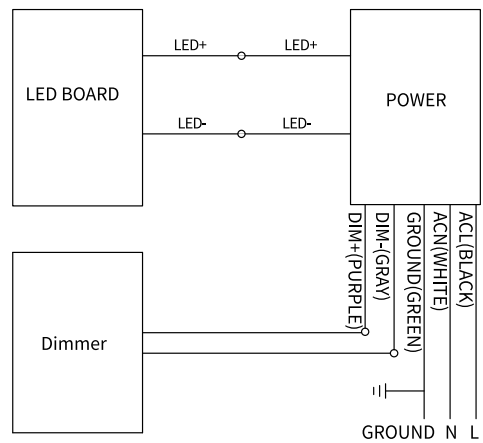2. Connect wires as below (Figure 1).



LED BOARD — LED+ — LED+ — POWER
LED- — LED-

Dimmer

DIM+(PURPLE)
DIM-(GRAY)
GROUND(GREEN)
ACN(WHITE)
ACL(BLACK)

GROUND   N   L

**Figure 1**

## Application