



HiAir HB21 Introduction

Applications

- Food Processing Plants
- Warehouses
- Factories
- Pharmaceutical Manufacturing Facilities
- Chemical Facilities
- Beverage Processing
- Poultry and Meat Processing
- Pet-food Production
- Grain and Sugar Production



What's the basic requirement of LED fixture for food-processing application?

- **Smooth Body for Easy Cleaning**

Normal LED high bay with fins housing would be hard for cleaning, while simple and seamless exterior design fixture makes cleaning very easy and convenient.



V.S.



What's the basic requirement of LED fixture for food-processing application?

- **IP69K & IP66**

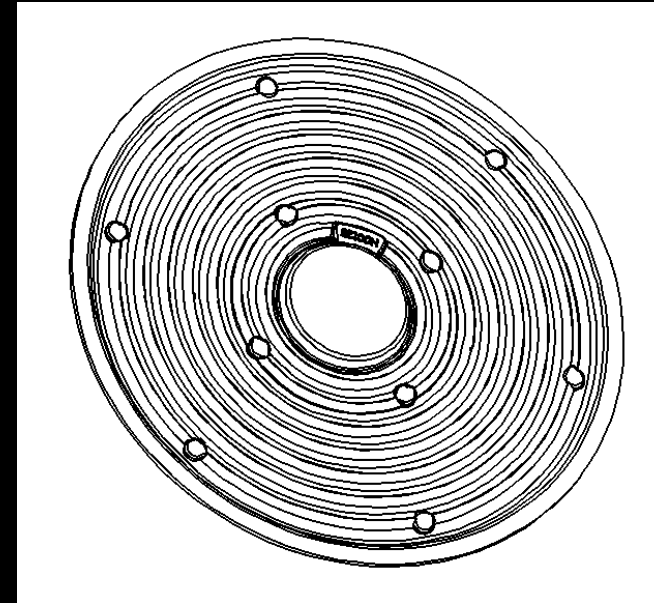
LED fixture in food-processing facility needs to be hosed down frequently for cleaning with high pressure & high temperature water jet. Fixture with IP66&IP69K would be perfect for this environment.



What's the basic requirement of LED fixture for food-processing application?

- No Glass
- No Exposed Screws

Food-processing facility allows no glass with fixture in case of its breaking into food. Screws might hide bacteria, and it is better to have no exposed screws.



PC Lens

Product Specification

Part Number	EGE-HB21-100	EGE-HB21-120	EGE-HB21-150	EGE-HB21-200	EGE-HB21-240
Lumen Output	14,000lm	16,800lm	21,000lm	28,000lm	36,000lm
Wattage	100W	120W	150W	200W	240W
Luminous Efficacy	140lm/W			150lm/W	
CCT	5000K(3000K, 4000K optional)				
CRI	>Ra70(>Ra80, Ra90 optional)				
IP	IP66				
Operating Temperature	-30°C to +50°C				
Input Voltage	100-240Vac/100-277Vac 50-60Hz				
Power Factor	≥0.92				
Life span	>50,000hrs				
HID Equivalent	200W	250W	400W	400W	600W



Product Features

- Cost-effective 140lm/W with 100W, 120W, 150W, 200w, 240W
- Smooth body with no exposed screws, greatly diminishing dust and water accumulation.
- NSF, IP66, IP69K, suitable for food-processing applications.
- Integral microwave motion sensor
- PC reflector, aluminum reflector and wire guard available.
- Easy and reliable installation. All fixtures come with safety cable.



Integrated Microwave Sensor

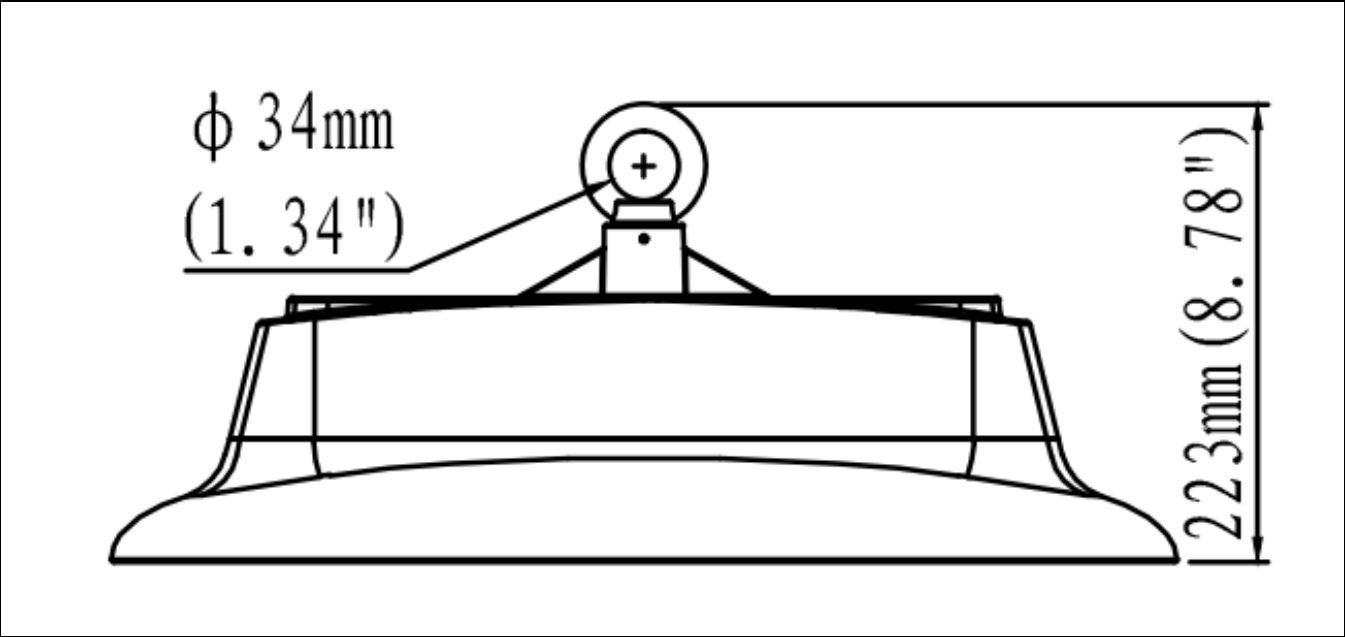
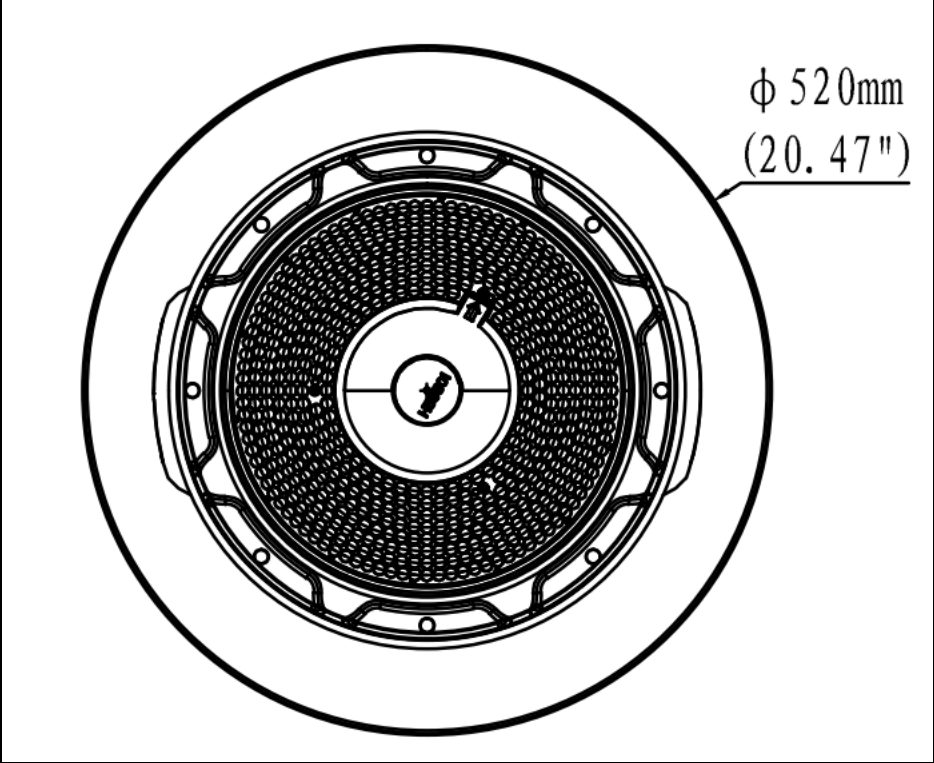


The microwave motion sensor is built inside and can be configured by a remote controller.





HiClean Gen III's Dimension



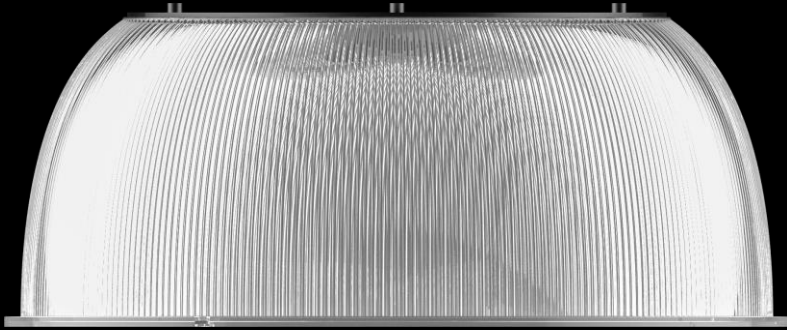
Higher Efficiency up to 145LPW@4000K 80RA

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.0V I:0.6722A P:149.3W PF:0.9656 Lamp Flux:21719.4x1 lm		
NAME: HB21-150	TYPE:150W	WEIGHT:
SPEC.:4000K Ra80 H55501	DIM.:	SERIAL No.:
MFR.:	SUR.:0.07544	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA		Eff: 145.49 lm/W	
MODEL	NICHIA3030	Imax (cd)	12920	S/MH (C0/180)	1.26
NOMINAL POWER (W)	150	LOR (%)	100.0	S/MH (C90/270)	1.26
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	21719	η UP, DN (C0-180)	0.0, 50.0
NOMINAL FLUX (lm)	21719.4	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 50.0
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE (V)	230	η down (%)	100.0	CIBSE SHR MAX	0.90

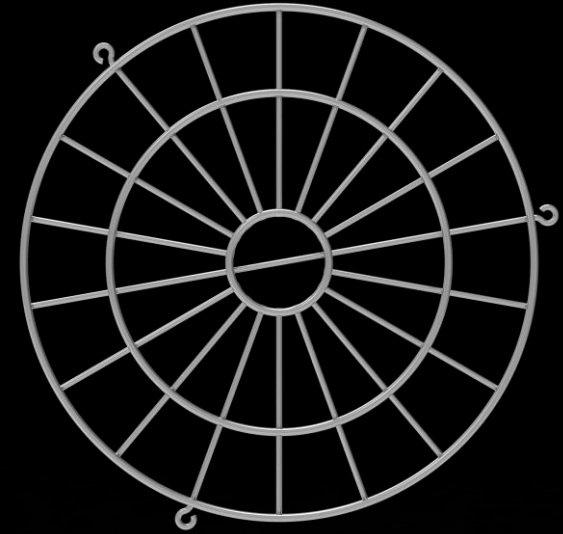
Accessories



PC reflector



Aluminum reflector 90D



Wire Guard

Reflector Installation

