HiClean Plus

Specially Designed for Food Processing Applications

reddot award 2018

90% Energy Saving

We use Nichia chips and Meanwell driver, 140lm/w and 160lm/w are available.The light performance is much better than traditional LED high bay, which saves 90% energy.

NSF IP69K 160 LM/W

AGC Lighting Co.,Ltd

HB06-100, HB06-100/T, HB06-120, HB06-120/T
HB06-150, HB06-150/T, HB06-200, HB06-200/T

In food processing applications, getting lighting right is critical. It require luminaires that contain no toxic materials, are highly resistant to corrosion, low cost in maintenance and especially be safe.

No Exposed Screws

Instead of glass, it is covered by high-transmittance PC with no exposed screws. Besides its beautiful outlook, it has high lumen efficiency and is safe in food processing applications.

No Toxic Chemicals

Safe polyester powder coating surface treatment support a safe, sanitary, aesthetic, corrosion-resistant and long lifespan light.

Smooth Surface Easy to Clean

The lamp is arched perfectly which contributes to be aesthetic, dust-proof and easy to clean.

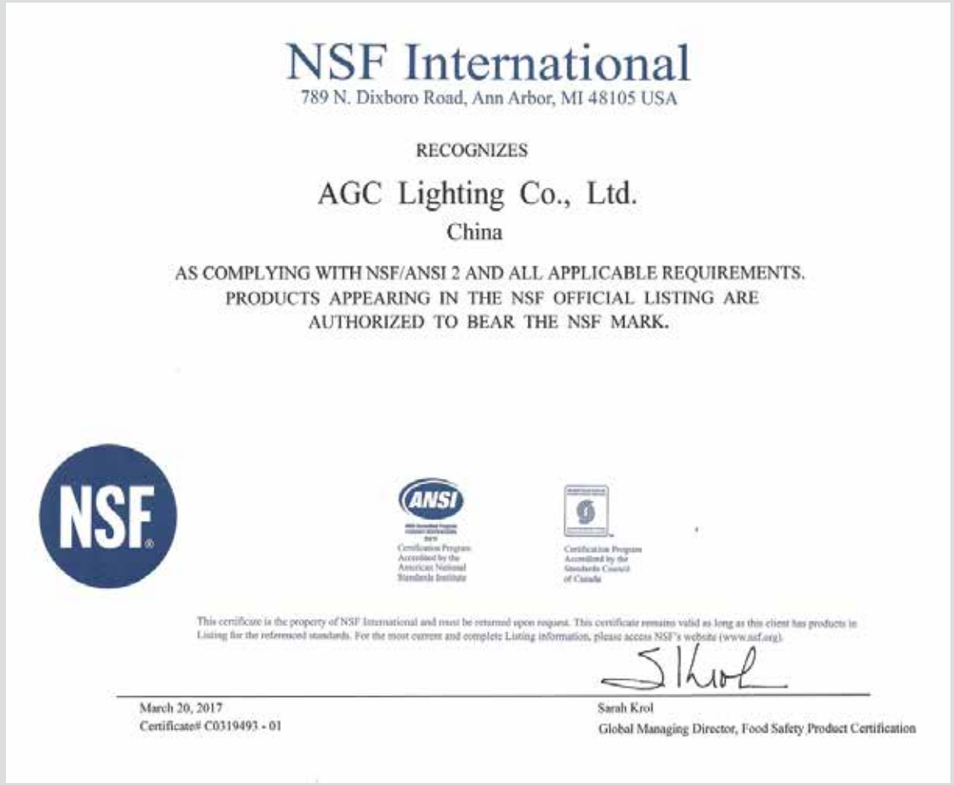
IP66 & IK10

With outstanding IP rating, it is also IK10 listed for high-pressure wash-downs.

Power-off Protection

Automatic Power-off for safe maintenance.

NSF Certificate



NSF International
789 N. Dixboro Road, Ann Arbor, MI 48105 USA

RECOGNIZES

AGC Lighting Co., Ltd.
China

AS COMPLYING WITH NSF/ANSI 2 AND ALL APPLICABLE REQUIREMENTS.
PRODUCTS APPEARING IN THE NSF OFFICIAL LISTING ARE
AUTHORIZED TO BEAR THE NSF MARK.

NSF

ANSI
Certification Program Accredited by the American National Standards Institute

Certification Program Accredited by the Standards Council of Canada

This certificate is the property of NSF International and must be returned upon request. This certificate remains valid as long as this client has products in Listing for the referenced standards. For the most current and complete Listing information, please access NSF's website (www.nsf.org).

March 20, 2017
Certificate# C0319493 - 01

Sarah Krol
Global Managing Director, Food Safety Product Certification

IP69K TEST PEPORT

Test according to the standard of IEC 60529:2013 Degrees of protection

1. Personal protection.
2. The protection of electrical equipment to prevent the entry of solid matter, including dust.
3. The protection of electrical equipment to prevent damage to the equipment caused by water.

Tests Summary

NO	Name of sample	Test item	Test standard	Judg-ment
1	LED High Bay Light	IPX6	IEC60529:2013	P
2	LED High Bay Light	2IXP	ISO20653:2013	P

2Degrees of protection provided by enclosures (IPX9K)

2.1 General description

The test is according to the standard of ISO20653-2013.
The sample is installed on the turntable.
Speed 5 r/min sprays at 0°, 30°, 60°, 90°.
Distance: 150mm.
Water flow rate: 15Umin.
Water pressure: 9000kPa.
Water temperature: 80°C.
Exposure time: 30s per position.

2.2 Technical requirements

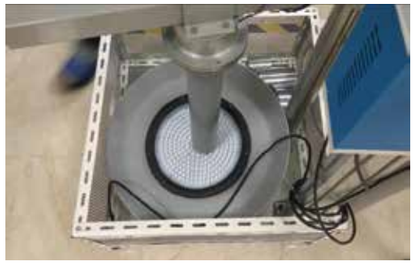
Water which is directed against the enclosure from any direction shall not have any detrimental effect.

2.3 Test results

Name of sample	Sample code	Test result	Judgment
LED High Bay Light	1-1	After the test, the function of the sample is normal. No water enters the charged part of the sample.	P

2.4 Test equipment

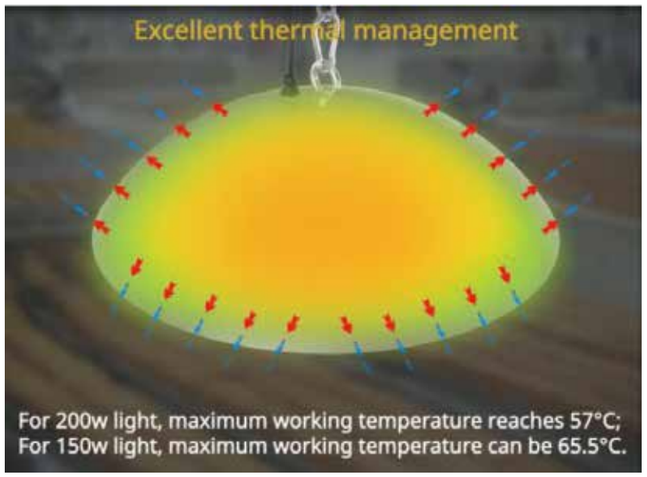
NO	Type /" Model	Equipment name	Next due calibration date
1	KXT1398	Spray waterproof testing machine	2018-06-04



IK Test

IPX6 Test

IP6X Test



Excellent Thermal Management

Thermal management solution without the tradition external finning whilst maintaining the highest led and optical efficiency was a considerable challenge.

CRI>80 CRI>90 optional

High CRI index accurate color rendering.

Private Tooling, Unique in the Market

1. Ultra-high safety performance without glass or exposed screws, it covered by high-transmittance PC and PMMA to avoid glass fragments or screws falling into food.
2. Smoothly and seamless surface, easy to be cleaned.
3. NSF certified, a necessary report for luminaire using in food processing applications.
4. Unique design with excellent cooling performance and ingenious structure ensure safe maintenance.

High Efficiency, Low Energy Cost

Direct HID metal halide replacement ideal for open area illumination Efficacy up to 160lm/W

100W (16000 Lumens)	REPLACES 200W HID
120W (19200 Lumens)	REPLACES 250W HID
150W (24000 Lumens)	REPLACES 400W HID
200W (32000 Lumens)	REPLACES 400W HID

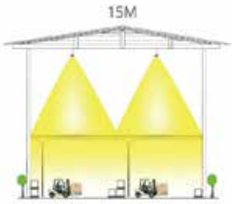
Energy savings up to 90%, making the best use of energy.
(140lm/W, 160lm/W)

Types of Light Distribution

Types of Light Distribution for Your Reference.

H25201

H25202, H53201



H25203, H53202

Technical Data

Part Number	Standard Version				High Efficiency Version			
	HB06-100	HB06-120	HB06-150	HB06-200	HB06-100/H	HB06-120/H	HB06-150/H	HB06-200/H
Lumen Output	14,000lm	16,800lm	21,000lm	28,000lm	16,000lm	19,200lm	24,000lm	32,000lm
Wattage	100W	120W	150W	200W	100W	120W	150W	200W
Luminous Efficacy	140lm/W				160lm/W			
CCT	5000K(3000K, 4000K optional)							
CRI	>Ra70(>Ra80 optional)							
IP Rating	IP66							
Working Temperature	-30°C to +50°C							
LED Driver	MEANWELL							
Input Voltage	100-240Vac/100-277Vac/277-480Vac, 50-60Hz							
Power Factor	≥0.92							
Warranty	5 years							
Lifespan	>50,000hrs							
HID Equivalent	200W	250W	400W	400W	250W	400W	400W	600W

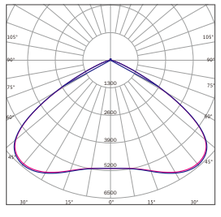
Color Optional

White

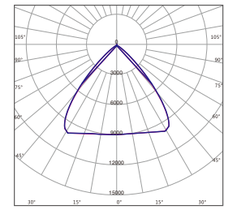
Silvery Gray

Light Distribution

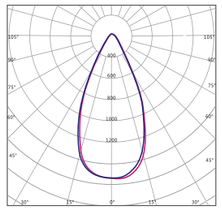
Our optical engineers advise you the best lighting solution by DIALUX simulation.



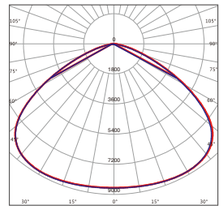
H25201



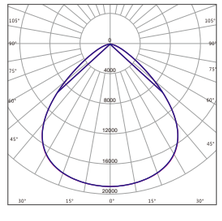
H25202



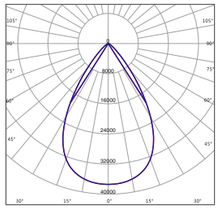
H25203



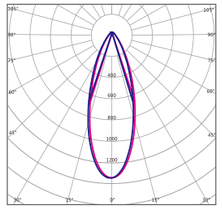
H53204



H53201



H53202

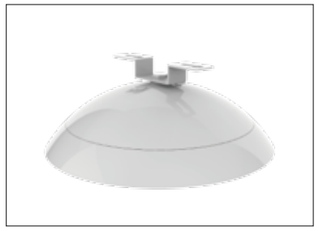


H53203

Mounting

Loop Hanging

Pipe Mounting



Ceiling Mounting

Controls and Dimming

- **DALI Control**
- **1-10V Dimming**
- **Motion Sensor**

Certification

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