



香港認證中心

The Hong Kong Certification Centre Ltd

# HONG KONG SAFETY MARK LICENSE

Product Certification Scheme for LED Lighting Products

License Number: L20006A

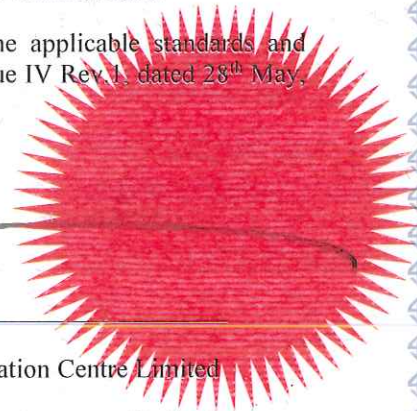
Date of Issue: 2019-11-12

**Issued To:** Guangdong Pak Corporation Co., Ltd.  
No. 132 Weiyong Industrial Park,  
Shibi Street, Panyu District,  
Guangzhou, China

**Manufacturer:** Guangdong Pak Optoelectronic Industrial Co., Ltd.  
Factory A, B, Liangdi Bu Industrial Park,  
Lanhe Town, Nansha District,  
Guangzhou City,  
Guangdong Province, China.

The products listed below have been evaluated and found to comply with the applicable standards and requirements in the Product Certification Scheme for LED Lighting Products, Issue IV Rev.1, dated 28<sup>th</sup> May, 2019.

Issued By : Richard Fung  
Managing Director



For and on behalf of  
The Hong Kong Certification Centre Limited

**Product Category**

LED Bulkhead

**Product**

LED Bulkhead Light

**Types / Models**

PAK417431  
PAK417510

**Rating**

220-240V 50-60Hz 10W IP54  
220-240V 50-60Hz 20W IP54

**Brand Name:** 三雄极光Pak / Pak

**Applicable standard(s) / requirement(s)**

IEC60598-1:2014	Luminaires - Part 1: General requirements and tests
IEC60598-2-1:1979+A1:1987	Luminaires. Part 2: Particular requirements. Section One: Fixed general purpose luminaires
CISPR15:2013	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
IEC61547:2009	Equipment for general lighting purposes - EMC immunity requirements
IEC61000-3-2:2014	Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)
IEC61000-3-3:2013	Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection
IEC62471:2006	Photobiological safety of lamps and lamp systems
IES LM-79:2008	Electrical and Photometric Measurements of Solid-State Lighting Products
IES LM-80:2008	Measuring Lumen Maintenance of LED Light Sources
Performance test	Annex B.1 "LED in situ TMPLD temperature measurement and requirement" of the LED Lighting Product Certification Scheme Issue IV Rev.1
Supplementary requirements	Table A.2.1 Note 2 & 4 of the LED Lighting Product Certification Scheme Issue IV Rev.1

**Certification Report**

L20006-1 (replaced 2019-01-21)

*Product certification system is Type no. 5 as defined in ISO/IEC 17067:2013.  
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Original Certification: 2019-01-25

Expiry: 2022-12-31