道路与街路照明灯具、投光灯具
安全与电磁兼容认证实施规则

Implementation Rules for Safety and EMC Certification of Road and Street Lighting Luminaires and Floodlights

2026-10-20 Issued on 发布　　2026-10-22 Implemented on 实施

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0 引言 Introduction

本规则由精准通检测认证（广东）有限公司发布，版权归精准通检测认证（广东）有限公司所有，任何组织及个人未经精准通检测认证（广东）有限公司许可，不得以任何形式全部或部分使用。

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本规则的制定符合GB/T 27065（ISO/IEC 17065）等标准及本机构产品认证质量手册、程序文件的要求，并向各方传达认证程序和要求，使各项认证相关活动得以规范有效开展。

This rule is developed in compliance with GB/T 27065 (ISO/IEC 17065) and other standards, as well as the requirements of the Product Certification Quality Manual and procedure documents of this body. It communicates certification procedures and requirements to all parties to ensure that all certification-related activities are conducted in a standardized and effective manner.

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This rule is a public document. PTC shall make the current effective version of this rule and its revision records freely available on its official website (www.ptc-lab.com), accessible to any interested party without request. Information on the development, revision and withdrawal of this rule shall also be published on PTC's website and filed with the CNCA as required.

1 适用范围 Scope of Application

本规则适用于额定电源电压不超过1000V的下列灯具的安全与电磁兼容认证：

This rule applies to safety and EMC certification of the following luminaires with a rated supply voltage not exceeding 1000 V:

a）道路与街路照明灯具：用于道路、街路照明和其他室外公共场所照明的灯具，以及隧道照明等适用GB 7000.203的灯具；

Road and street lighting luminaires: luminaires for road and street lighting and other outdoor public places, and luminaires for tunnel lighting and similar applications to which GB 7000.203 applies;

b）投光灯具：使用电光源、额定电源电压不超过1000V的投光灯具。

Floodlights: floodlights using electric light sources with a rated supply voltage not exceeding 1000 V.

列入强制性产品认证目录的固定式通用灯具、嵌入式灯具、可移式通用灯具等通用灯具，不属于本规则范围；本规则为自愿性认证规则。灯具中使用的光源（灯泡、灯管、LED模块等）本身不在本规则认证范围内。

General-purpose luminaires listed in the Catalogue of Products Subject to Compulsory Product Certification, such as fixed general-purpose luminaires, recessed luminaires and portable general-purpose luminaires, are not within the scope of this rule; this rule is a voluntary certification rule. The light sources used in luminaires (lamps, tubes, LED modules, etc.) are not themselves within the certification scope of this rule.

2 认证模式 Certification Mode

认证模式：
Certification Mode:

型式试验+获证后监督
Type test + post- certification surveillance

认证的基本环节包括：
The basic certification procedures include:

A.认证的申请
A. Certification application

B.产品型式试验
B. Product type test

C.认证结果评价与批准
C. Evaluation and approval of certification results

D.获证后的监督
D. Post- certification surveillance

3 认证单元划分 Certification Unit Division

同时符合下列条件的灯具可以划分到同一认证单元：

Luminaires meeting all of the following conditions may be grouped into the same certification unit:

a）适用相同的认证依据标准；

They apply the same certification standards;

b）使用相同光源；

they use the same light source;

c）使用同类的关键零部件/元器件（见附件2）；

they use key components/parts of the same type (see Annex 2);

d）防触电保护类别、外壳防护等级、安装方式和额定最高环境温度（ta）相同；

they have the same class of protection against electric shock, enclosure protection rating, mounting method and rated maximum ambient temperature (ta);

e）保护装置相同；

they have the same protective device;

f）结构相似；

they have similar construction;

g）同一生产厂。

they are produced by the same manufacturing plant.

道路与街路照明灯具和投光灯具作为不同的产品类别分别申请。以ODM、OEM方式认证的，按PTC有关ODM/OEM认证的规定执行，证书有效期不超过相关协议有效期。

Road and street lighting luminaires and floodlights shall be applied for separately as different product categories. For certification in ODM or OEM mode, the relevant provisions of PTC on ODM/OEM certification shall apply, and the certificate validity period shall not exceed the validity period of the relevant agreement.

4 认证委托 Certification Entrustment

4.1 认证委托的提出与受理 Submission and Acceptance of Certification Entrustment

认证委托人可通过PTC官方网络途径或书面向PTC提出认证委托。认证委托人需按要求准确填写必要的企业信息和产品信息。

The certification client may submit a certification entrustment to PTC via PTC's official online channel or in written form. The certification client shall accurately fill in required enterprise and product information as requested.

PTC依据相关要求对认证申请进行审核后发出受理或不予受理的通知，或要求认证委托人整改后重新提出认证申请。

After reviewing the certification application in accordance with relevant requirements, PTC shall issue a notice of acceptance or non- acceptance, or require the certification client to make rectifications and resubmit the certification application.

资料评审一般不超过 15 个工作日。

Document review shall normally take no more than 15 working days.

4.2 申请资料 Application Documents

认证委托人应在申请受理后，向PTC提交有关的申请资料和技术资料，包括：

Upon acceptance of the application, the certification client shall submit relevant application and technical documents to PTC, including:

认证申请书；

Certification application form;

认证委托人、生产者、生产厂的注册证明（如营业执照、组织机构代码证等）；

Registration certificates of the certification client, producer and manufacturing plant (e.g. business license, organization code certificate, etc.);

代理人委托书（如有）；

Power of attorney for agent (if applicable);

认证协议书；

Certification agreement;

产品描述信息，必要时包括：型号规格、技术参数（光源类型、额定电压、额定功率、防触电保护类别、外壳防护等级、安装方式、额定最高环境温度等）、结构、关键零部件和/或元器件清单、产品照片、同一认证单元内不同规格产品的差异说明等；

Product description information, including where necessary: model and specification, technical parameters (light source type, rated voltage, rated power, class of protection against electric shock, enclosure protection rating, mounting method, rated maximum ambient temperature, etc.), construction, list of key components and/or parts, product photos, explanation of differences among products of different specifications within the same certification unit, etc.;

认证委托人、生产者、生产企业之间签订的有关协议书或合同（如ODM/OEM协议）；

Relevant agreements or contracts concluded among the certification client, producer and manufacturing enterprise (such as ODM/OEM agreements);

其它需要的文件。

Other documents as required.

认证委托人应对提供资料的真实性负责。

The certification client shall be responsible for the authenticity of the submitted documents.

PTC对认证委托人提供的认证资料进行管理、保存，并负有保密义务。

PTC shall manage and retain the certification documents provided by the certification client and shall be under a confidentiality obligation.

4.3 实施安排 Implementation Arrangement

PTC在受理后制定认证实施的具体方案，并将其通知认证委托人。认证实施的具体方案通常包括以下内容：

After acceptance, PTC shall formulate a specific certification implementation plan and notify the certification client thereof. The specific certification implementation plan generally includes the following contents:

a) 需要提交的申请资料清单；
a) List of application documents to be submitted;

b) 实验室信息；
b) Laboratory information;

c) 有关PTC 工作人员的联系方式；
c) Contact information of relevant PTC staff;

d) 其他需要说明的事项。
d) Other matters requiring explanation.

5 认证实施 Certification Implementation

5.1 型式试验 Type Test

5.1.1 型式试验方案 Type Test Plan

PTC在受理认证申请后，指定实验室实施型式试验，由实验室制定型式试验方案，并告知认证委托人。试验和验证方案包括：样品要求和数量、检测和验证标准及项目、实验室信息等。

After accepting the certification application, PTC shall designate a laboratory to carry out the type test. The laboratory shall formulate the type test plan and inform the certification client. The test and verification plan includes: sample requirements and quantity, test and verification standards and items, laboratory information, etc.

5.1.2 型式试验样品要求Sample Requirements for Type Test

通常情况下，型式试验的样品由认证委托人按PTC的要求选送代表性样品用于检测或技术验证。必要时，PTC也可采取现场抽样/封样方式获得样品，委托人对样品负责。样品应是已完成设计定型并形成批量生产的合格产品。

Under normal circumstances, the certification client shall select and submit representative samples for testing or technical verification in accordance with PTC's requirements. Where necessary, PTC may also obtain samples through on-site sampling/sample sealing. The client shall be responsible for the samples. Samples shall be qualified products that have completed design finalization and are in batch production.

5.1.2.1 送样原则 Sample Submission Principle

a）PTC从申请认证单元中选取代表性样品进行产品检验。试验样品应为出厂检验合格的产品。申请单元中只有一个型号的，送本型号的样品。

PTC shall select representative samples from the applied certification unit for product testing. Test samples shall be products that have passed factory inspection. Where there is only one model in the application unit, samples of that model shall be submitted.

b）以系列产品申请认证时，应从系列产品中选取一种具有代表性的产品作为主检型号样品进行检验。具有代表性的产品应该是该系列产品中具有对安全和性能影响最不利的元件和外壳组合的型号产品，主检型号样品应能覆盖系列产品的性能、安全、保护和环境要求，不能覆盖时，还应选择申请单元内的其它型号产品做补充试验。

When applying for certification of a series of products, one representative product shall be selected from the series as the principal test model sample for testing. The representative product should be the model in the series with the combination of components and enclosure most unfavourable to safety and performance. The principal test model sample shall be able to cover the performance, safety, protection and environmental requirements of the series products; where it cannot cover them, other models within the application unit shall also be selected for supplementary tests.

c）申请人负责按PTC的要求选送样品到指定检测机构，并对样品负责。

The applicant shall be responsible for selecting and submitting samples to the designated testing laboratory as required by PTC and shall be responsible for the samples.

5.1.2.2 样品数量 Sample Quantity

送样数量见附件1。主检样品数量为 2 只；同一认证单元中有多个型号时，必要时根据PTC要求加送被覆盖型号的样品；另送未单独认证的起防触电保护作用的绝缘外壳及支承带电体的绝缘材料样品各 3 件。关键零部件/元器件的送样数量按附件2表A.2的规定执行。

The sample quantities are set out in Annex 1. The principal test sample quantity is 2 pieces; where there are multiple models in the same certification unit, samples of covered models shall be additionally submitted as required by PTC where necessary; in addition, 3 pieces each of the insulating enclosure serving for protection against electric shock and the insulating material supporting live parts, which are not separately certified, shall be submitted. The sample quantities for key components/parts shall be in accordance with Table A.2 of Annex 2.

5.1.2.3 样品及资料处置Disposal of Samples and Documents

试验结束并出具试验报告后，有关资料由检测机构保存，样品按PTC有关规定处置。

Upon completion of tests and issuance of test reports, relevant documents shall be retained by the testing laboratory, and samples shall be disposed of in accordance with relevant provisions of PTC.

5.1.3 型式试验依据标准 Standards for Type Test

型式试验依据标准如下：

The standards for type test are as follows:

a）道路与街路照明灯具：

Road and street lighting luminaires:

国内标准Domestic standards:

GB/T 7000.1-2023《灯具 第1部分：一般要求与试验》

GB/T 7000.1-2023《Luminaires—Part 1: General requirements and tests》

GB 7000.203-2013《灯具 第2-3部分：特殊要求 道路与街路照明灯具》

GB 7000.203-2013《Luminaires—Part 2-3: Particular requirements—Luminaires for road and street lighting》

注：道路与街路照明灯具同时引用推荐性标准 GB/T 7000.1-2023 与强制性标准 GB 7000.203-2013，两者要求不一致时以较严者为准；检测报告应分别列明所依据的标准及条款。

Note: For road and street lighting luminaires, both the recommended standard GB/T 7000.1—2023 and the mandatory standard GB 7000.203—2013 are cited. Where their requirements are

inconsistent, the stricter one shall prevail; the test report shall separately state the standards and clauses on which it is based.

出口标准Export standards:

IEC 60598-1:2024《灯具 第 1 部分：一般要求与试验》

IEC 60598-1:2024《Luminaires—Part 1: General requirements and tests》

IEC 60598-2-3:2002+A1:2011《灯具 第 2-3 部分：特殊要求 道路与街路照明灯具》

IEC 60598-2-3:2002+A1:2011《Luminaires—Part 2-3: Particular requirements—Luminaires for road and street lighting》

b）投光灯具 Floodlights：

国内标准Domestic standards:

GB/T 7000.1-2023《灯具 第1部分：一般要求与试验》；

GB/T 7000.1-2023《Luminaires—Part 1: General requirements and tests》

GB/T 7000.205-2023《灯具 第2-5部分：特殊要求 投光灯具》

GB/T 7000.205-2023《Luminaires—Part 2-5: Particular requirements—Floodlights》

出口标准Export standards:

IEC 60598-1:2024《灯具 第 1 部分：一般要求与试验》

IEC 60598-1:2024《Luminaires—Part 1: General requirements and tests》

IEC 60598-2-5:2015《灯具 第 2-5 部分：特殊要求 投光灯具》

IEC 60598-2-5:2015《Luminaires—Part 2-5: Particular requirements—Floodlights》

c）电磁兼容EMC：

国内标准Domestic standards:

GB/T 17743-2021《电气照明和类似设备的无线电骚扰特性的限值和测量方法》

GB/T 17743-2021《Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment》

GB 17625.1-2022《电磁兼容 限值 第1部分：谐波电流发射限值（设备每相输入电流≤16A）》

GB 17625.1-2022《Electromagnetic compatibility—Limits—Part 1: Limits for harmonic current emissions (equipment input current ≤16 A per phase)》

出口标准Export standards:

出口标准——CISPR 15:2018、IEC 61000-3-2:2018+AMD1:2020、IEC 61547:2020；以LED为光源的道路与街路照明灯具和投光灯具还应满足 GB/T 18595-2014《一般照明用设备电磁兼容抗扰度要求》第5.7条款浪涌要求。

CISPR 15:2018, IEC 61000-3-2:2018+AMD1:2020 and IEC 61547:2020; road and street lighting luminaires and floodlights using LED light sources shall also meet the surge requirements of Clause 5.7 of GB/T 18595—2014 Electromagnetic compatibility—Immunity requirements for general lighting equipment.

5.1.4 型式试验的实施 Execution of Type Test

5.1.4.1 试验项目及要求 Test Items and Requirements

安全试验项目为认证依据标准规定的涉及安全要求的试验，包括：标志；防触电保护；绝缘电阻和电气强度；爬电距离和电气间隙；接地连续性；接线端子；外部和内部接线；耐久性试验；热试验（正常工作、异常工作）；防尘、防固体异物和防水（外壳防护等级）；机械强度（含耐冲击试验）；耐热、耐火和耐起痕；光生物安全等通用项目，以及相应分册标准规定的特殊要求项目。

Safety test items are the tests involving safety requirements specified in the certification standards, including: marking; protection against electric shock; insulation resistance and electric strength; creepage distances and clearances; earthing continuity; terminals; external and internal wiring; endurance test; thermal test (normal operation and abnormal operation); dust-proof, protection against solid foreign objects and water (enclosure protection rating); mechanical strength (including impact resistance test); resistance to heat, fire and tracking; photobiological safety and other general items, as well as particular requirement items specified in the relevant part standards.

电磁兼容试验项目包括：无线电骚扰特性（依据GB/T 17743-2021）；谐波电流发射（依据GB 17625.1-2022）；以LED为光源的道路与街路照明灯具和投光灯具的浪涌（依据GB/T 18595-2014第5.7条）。对于直流输入电压不超过36V的III类灯具，认证委托人可以选择与产品相适应的上述电磁兼容项目。

EMC test items include: radio disturbance characteristics (according to GB/T 17743—2021); harmonic current emission (according to GB 17625.1—2022); surge for road and street lighting luminaires and floodlights using LED light sources (according to Clause 5.7 of GB/T 18595—2014). For Class III luminaires with a DC input voltage not exceeding 36 V (source: “川类”,

evidently Class III), the certification client may select the above EMC items appropriate to the product.

5.1.4.2 试验方法 Test Methods

依据标准规定的和/或引用的检测方法和/或标准进行检验。

Testing shall be conducted in accordance with test methods and/or standards specified and/or referenced in the relevant standards.

5.1.4.3 型式试验时限 Time Limit for Type Test

型式试验时限：自实验室收到样品和检测费用之日起，一般为 140 个日历日（约 100 个工作日），其中光电性能与耐久性试验占主要周期；因不合格整改和复试的时间不计入。

Type-test time limit: generally 140 calendar days (about 100 working days) from the date the laboratory receives the samples and testing fees, of which photoelectric performance and endurance tests account for the main period; time for rectification and retest due to non-conformity is excluded.

必要时，实验室可安排技术人员对认证产品进行现场技术验证。

Where necessary, the laboratory may assign technical personnel to conduct on-site technical verification for the certified product.

5.1.4.4 判定Judgement Criteria

型式试验应符合认证依据标准的要求。当型式试验或验证项目部分不合格时，原则上，整改应在6个月内完成，超过该期限的视为认证终止；允许认证委托人整改后重新提交样品进行试验，重新试验的样品数量和试验项目视不合格情况由检测机构决定。

The type test shall comply with the requirements of the certification standards. If partial non-conformities are found in type test or verification items, rectification shall in principle be completed within 6 months; failure to meet this time limit shall be deemed termination of the certification process. The certification client is permitted to resubmit samples for testing after rectification; the number of samples and test items for retesting shall be determined by the testing laboratory according to the non-conformity.

5.1.5 检测报告 Test Report

实验室按照标准完成型式试验后，按照规定出具检测和验证报告。

After completing the type test in accordance with standards, the laboratory shall issue test and verification reports as stipulated.

5.1.6 关键零部件的要求Requirements for Key Components

关键零部件、元器件清单及送样数量见附件2。为确保获证产品的一致性，关键零部件、元器件的技术参数/规格型号/制造商（生产厂）发生变更时，持证人应及时提出变更申请，并送样进行检验（或提供书面资料确认），经PTC批准后方可在获证产品中使用。

The list of key components and parts and the sample quantities are set out in Annex 2. To ensure the consistency of certified products, where the technical parameters/specifications and models/manufacturer (production plant) of key components or parts change, the certificate-holder shall promptly submit a change application and submit samples for testing (or provide written confirmation). Such changes may be used in certified products only after approval by PTC.

5.2 认证评价与决定Certification Assessment and Decision

PTC对申请资料、型式试验结论、有关资料/信息等进行综合评价，做出认证决定。对符合认证要求的，批准并颁发认证证书。

PTC shall conduct a comprehensive evaluation of the application documents, type-test conclusions and relevant materials/information, and make the certification decision. For products complying with certification requirements, certification approval shall be granted and a certification certificate shall be issued.

5.3 认证时限 Certification Time-Limit

认证时限指自受理认证申请之日起至颁发认证证书时止所实际发生的工作日。包括型式试验时间、认证结果评价和批准时间，及证书制作时间。

The certification time-limit refers to the actual working days from the acceptance of the certification application to the issuance of the certification certificate, including the duration of type test, evaluation and approval of certification results, and certificate preparation.

PTC 对认证各环节的时限做出明确规定，并确保相关工作按时限要求完成。认证委托人须对认证活动予以积极配合。认证时限：自受理之日起至颁发证书止，一般为 180 个日历日（不含型式试验、委托方准备资料及整改时间）。

PTC shall specify clear time limits for each certification phase and ensure relevant work is completed within such time limits. The certification client shall actively cooperate with certification activities. Certification time limit: generally 180 calendar days from acceptance to certificate issuance (excluding type test, document preparation by the client and rectification time).

型式试验时间一般为30个工作日（因检测项目不合格整改和复试时间不计算在内）。当整机零部件和材料需要进行随机试验时，如果其试验所需时间超过整机试验时间，型式试验时间按零部件/材料最长的试验时间计算。

The type-test duration is generally 30 working days (excluding time for rectification and retest due to non-conforming test items). Where random tests are required for components and materials of the complete unit, if the test duration for components or materials exceeds that of the complete-unit test, the type-test duration shall be calculated based on the longest test duration of the relevant components/materials.

6 获证后的监督 Post-Certification Surveillance

6.1 获证后监督方式和频次 Methods and Frequency of Post-Certification Surveillance

获证后监督方式包括：生产现场抽取样品检测或市场抽样检测两种方式之一或组合。

Post-certification surveillance shall adopt either or a combination of the following methods: sample testing by sampling at the production site, or sample testing by market sampling.

通常情况下，对获证企业及产品，从颁发首张证书之日起12个月内进行第一次监督检测，以后每年至少一次。

Under normal circumstances, the first surveillance test for certified enterprises and products shall be conducted within 12 months from the date of issuance of the first certificate, and at least once per year thereafter.

6.2 生产现场抽取样品检测 Sample Testing by Sampling at Production Site

6.2.1生产现场抽取样品检测原则

Principles for Sample Testing by Production-Site Sampling

对获证产品进行生产现场抽样检测，抽样检测的样品应在生产合格品中随机抽取。

For sampling-testing of certified products at the production site, samples shall be randomly selected from qualified finished products.

6.2.2生产现场抽取样品检测内容

Contents of Sample Testing by Production-Site Sampling

认证检测采用的标准所规定的项目均可作为抽样检测项目。

All items specified in the standards adopted for certification testing may be used as sampling-test items.

6.3 市场抽样检测 Market-Sampling Testing

6.3.1市场抽样检测原则 Principles for Market-Sampling Testing

对获证产品必要时，进行市场抽样。认证委托人、生产者、生产企业应积极配合，如提供获证产品的销售信息，以及使用方、经销商和/或销售网点信息等。

Market sampling shall be performed for certified products where necessary. The certification client, producer and manufacturer shall cooperate actively, e.g. by providing sales information of certified products, as well as information on users, distributors and/or sales outlets.

6.3.2市场抽样检测内容 Contents of Market-Sampling Testing

市场抽样包括产品一致性核查和/或产品检测。认证检测采用的标准所规定的项目均可作为抽样检测项目。PTC根据不同产品的质量情况，进行部分或全部项目的检测。

Market sampling includes product consistency verification and/or product testing. All items specified in the standards adopted for certification testing may be used as sampling-test items. PTC shall conduct partial or full-item testing according to the quality status of different products.

6.4 非例行监督检测 Non-Routine Surveillance Testing

持证人若发生下列情况之一，PTC将增加非例行监督检测：

PTC shall impose additional non-routine surveillance testing if the certificate-holder falls under any of the following circumstances:

1）获证产品发生严重质量问题或用户提出严重投诉、产品问题较多的持证人；

The certificate-holder whose certified products have serious quality defects, or receive serious user complaints, or suffer frequent product problems;

2）有足够的信息表明持证人因变更组织机构、生产条件、管理体系等可能影响产品符合性或一致性时。

Where sufficient information indicates that changes to the certificate-holder's organizational structure, production conditions, management system, etc. may affect product conformity or consistency.

6.5 获证后监督结果的评价 Evaluation of Post-Certification Surveillance Results

PTC对抽取样品的检测结论和有关资料/信息进行综合评价。评价通过，可继续保持认证证书、使用认证标志；评价不通过，PTC应当根据相应情形做出暂停或撤销认证证书的处理，并予以公布。

PTC shall carry out a comprehensive evaluation of test conclusions of sampled products and relevant documents / information. Upon passing evaluation, the certification certificate may remain valid and the certification mark may continue to be used. In case of failure in evaluation, PTC shall take measures to suspend or revoke the certification certificate according to specific circumstances and make such decision public.

6.6 获证后监督的组成

获证后监督由下列活动的一项或多项组成：

Composition of Post-Certification Surveillance Surveillance shall comprise one or more of:

a）生产现场生产一致性核查（含关键零部件、结构、标识与认证批准状态的一致性）；

on-site production consistency verification (key components, construction, marking and conformity with the approved status);

b）生产现场抽取样品检测；

sampling and testing at the production site;

c）市场抽样检测；

market sampling and testing;

d）与获证产品生产、质量管理有关的文件与记录核查。首次获证后监督应包含 a）项。本规则不设独立的初次工厂检查，产品持续符合性由上述监督活动结合持证人质量保证能力自我声明保证；采用该方式的理由（产品风险等级、生产技术成熟度、获证后监督有效性及历史不合格数据）见认证方案风险说明。

review of documents and records relating to production and quality management. The first surveillance shall include item a). No separate initial factory inspection is applied; continued conformity is assured by the above activities together with the holder's declaration of quality assurance capability, the justification being given in the scheme risk statement.

7 认证证书 Certification Certificate

7.1 认证证书的保持Maintenance of Certification Certificate

本文件覆盖的认证证书有效期一般为 3 年。有效期内，证书的有效性依赖 PTC 的获证后监督获得保持。

Certification certificates covered by this document are generally valid for 3 years. Within the validity period, the validity of the certificate shall be maintained subject to PTC's post-certification surveillance.

ODM 和 OEM 证书的有效期按其相关协议中的有效期，但不超过 3 年；ODM 证书的有效期还应不超过初始认证证书的有效期。

The validity period of ODM and OEM certificates shall follow the validity period specified in their relevant agreements, and shall not exceed 3 years; the validity period of ODM certificates shall also not exceed the validity period of the original certification certificate.

认证证书有效期届满，需要延续使用的，认证委托人应当在认证证书有效期届满前90 天内提出认证委托。证书有效期内最后一次获证后监督结果合格的，PTC 在接到认证委托后直接换发新证书。

Where continued use is required upon expiry of the certification certificate, the certification client shall submit a certification entrustment no later than 90 days before the certificate expires. If the result of the last post-certification surveillance within the certificate validity period is satisfactory, PTC shall directly issue a new certificate upon receipt of the entrustment.

7.2 认证证书覆盖产品的变更Changes to Products Covered by the Certification Certificate

产品获证后，如果其产品发生变更以及认证证书的相关信息、标准等发生变更时，认证委托人应向PTC提出变更批准/备案的申请。

After product certification is granted, in case of product changes or changes to relevant certificate information, standards, etc., the certification client shall submit an application for change approval / filing to PTC.

7.2.1变更委托和要求Change Entrustment and Requirements

以下内容发生变更时，认证委托人应向PTC提交变更申请：

A change application shall be submitted to PTC by the certification client when any of the following items is modified:

a. 获证产品名称、型号命名方式、技术参数更改；
a. Changes to the name, model designation or technical parameters of the certified product;

b. 在证书上增加或减少同种产品其它型号；
b. Addition or removal of other models of the same product on the certificate;

c. 产品认证所依据的国家标准、认证规则变化；
c. Revision of national standards or certification rules upon which product certification is based;

d. 认证委托人、生产者、生产企业名称和/或地址更改；
d. Changes to the name and/or address of the certification client, producer or manufacturer;

e. 产品中关键件、材料更改；
e. Modification of key components and materials in the product;

f. 产品的关键零部件、结构或材料发生了涉及本规则涉及检测标准项目的变化；

g. 生产企业的质量体系发生变化（例如所有权、组织机构或管理者发生了变化）。

h. 其他。
h. Other items.

对于隶属同一生产者的多个生产企业的相同产品、相同内容的变更，认证委托人可仅提交一次变更委托，PTC对变更涉及的认证证书予以关联使用。

For identical-content changes to the same product manufactured by multiple manufacturers under the same producer, the certification client may submit only one change entrustment. PTC shall associate and apply the change to all relevant certification certificates.

7.2.2变更评价和批准 Change Evaluation and Approval

PTC根据变更的内容，对提供的资料进行评价，确定是否可以批准变更。如需样品检测（和/或技术验证），应在检测（和/或技术验证）合格后方能批准变更。原则上，应以最初进行全项型式试验的代表性型号样品作为变更评价的基础。

PTC shall evaluate the submitted documents according to the content of the change to determine whether the change can be approved. Where sample testing (and/or technical verification) is required, the change shall only be approved upon satisfactory testing (and/or technical verification) results. In principle, the representative model sample that underwent the original full-item type test shall serve as the basis for change evaluation.

7.2.3变更备案 Change Filing

对于不涉及关键零部件、结构和材料的变更，在不需要提供样品试验的情况下，可由本机构认可的生产企业认证技术负责人确认批准，保存相应记录并报本机构备案。

For changes not involving key components, construction or materials, and where sample testing is not required, the change may be confirmed and approved by the certification technical responsible person of the manufacturing enterprise recognized by PTC, with corresponding records retained and filed with PTC.

认证技术负责人由生产者任命/授权，并经PTC考核认定；认证技术负责人应具有独立行使其职能的权力，具备实施其职能的能力；认证技术负责人不得兼任其他生产者的认证技术负责人；认证技术负责人变更时，生产者负责上报PTC并重新申请考核认定。

The certification technical responsible person shall be appointed/authorized by the producer and assessed and recognized by PTC; the certification technical responsible person shall have the power to exercise his/her functions independently and the ability to perform such functions; the certification technical responsible person shall not concurrently serve as the certification technical responsible person of another producer; when the certification technical responsible person changes, the producer shall report to PTC and re-apply for assessment and recognition.

7.3 认证证书覆盖产品的扩展Expansion of Products Covered by Certification Certificate

认证委托人需要扩展已经获得的认证证书覆盖的产品范围时，应向PTC提出变更申请。

When the certification client needs to expand the product scope covered by an existing certification certificate, a change application shall be submitted to PTC.

PTC根据认证委托人提供的扩展产品有关技术资料，核查扩展产品与原认证产品的差异，确认原认证结果对扩展产品的有效性，并针对差异做补充试验或生产现场产品进行检查。核查通过的，PTC根据认证委托人的要求单独颁发或换发认证证书。

Based on the technical documents of the expanded product provided by the certification client, PTC shall verify the differences between the expanded product and the originally certified product, confirm the validity of original certification results for the expanded product, and carry out supplementary tests or on-site product inspections targeting such differences. Upon passing verification, PTC shall issue a separate certificate or re-issue the certification certificate as requested by the certification client.

原则上，应以最初进行全项型式试验的代表性型号样品作为扩展评价的基础。

In principle, the representative model sample that underwent the original full-item type test shall serve as the basis for expansion evaluation.

7.4 认证证书的注销、暂停和撤销Cancellation, Suspension and Revocation of Certification Certificate

7.4.1 发生下列情形之一，本机构暂停认证证书并书面通知持证人：

PTC shall suspend the certificate, with written notice, where:

a）获证后监督检测结论不合格，经整改仍不符合要求；

surveillance test results are unsatisfactory and remain so after correction;

b）关键零部件、结构、材料发生变更未按规定申请并获批准；

changes to key components, construction or materials are made without application and approval;

c）无正当理由未在规定期限内接受获证后监督；

surveillance is refused without justification;

d）未按期缴纳认证费用；

fees remain unpaid;

e）获证产品与认证批准状态不一致且未在限期内纠正；

the certified product is inconsistent with the approved status and not corrected within the given period;

f）持证人主动申请。暂停期限最长 6 个月。

the holder applies. Suspension shall not exceed 6 months.

7.4.2 暂停期间持证人应停止使用认证证书和认证标志；完成整改后可提出恢复申请，经核查（必要时含检测）合格后恢复，恢复日期为核查合格之日。

During suspension the holder shall cease use of the certificate and the mark; reinstatement may be applied for after correction and shall take effect on the date of satisfactory verification.

7.4.3 发生下列情形之一，本机构撤销认证证书：

PTC shall withdraw the certificate where:

a）暂停期满未完成整改或整改后仍不合格；

correction is not completed within the suspension period or remains unsatisfactory;

b）以欺骗、贿赂等不正当手段获得认证；

certification was obtained by fraud or bribery;

c）转让、伪造、变造认证证书或认证标志；

the certificate or mark is transferred, forged or altered;

d）获证产品存在严重缺陷造成人身、财产损害。

the product causes personal injury or property damage due to serious defects.

7.4.4 持证人主动放弃认证、产品停产且不再恢复生产或企业依法注销的，本机构注销认证证书。

PTC shall cancel the certificate upon voluntary withdrawal by the holder, discontinuation of production, or deregistration of the enterprise.

7.4.5 上述处理按 PTCRZ-QP-12a《产品认证 批准、保持、延长、暂停、恢复、撤销和注销的条件和程序》执行；作出暂停、撤销、注销决定的同时按第 11 条报送证书状态信息，并在本机构网站公告。

Handling shall follow PTCRZ-QP-12a; status information shall be reported per Clause 11 simultaneously with the decision and announced on PTC's website.

7.5 认证证书的使用Use of Certification Certificate

持证人应遵守PTC有关产品认证证书管理的相关规定。

The certificate-holder shall comply with PTC's relevant provisions for the administration of product certification certificates.

8 认证标志 Certification Mark

认证标志的管理、使用应当符合PTC有关认证标志管理的相关规定。

The administration and use of the certification mark shall comply with PTC's relevant provisions governing certification-mark management.

8.1 准许使用的标志式样 Permitted Mark Specimen

式样如下图所示：

The specimen is shown in the figure below:



8.2 标注方式 Marking Method

如施加标志，证书持有者应按照PTC有关产品认证标识的相关规定执行。可以在产品本体、铭牌、说明书、包装上施加认证标志。

Where the mark is affixed, the certificate-holder shall act in accordance with PTC's relevant provisions on product certification marking. The certification mark may be affixed on the product itself, nameplate, instruction manual or packaging.

9 收费 Fees

认证收费按PTC《认证收费规则》收取。

Certification fees shall be charged in accordance with PTC's Rules for Certification Charges.

10 认证责任 Certification Liabilities

PTC应对做出的认证结论负责。

PTC shall be liable for its certification conclusions.

指定实验室应对检测结果和检测报告负责。

The designated laboratory shall be liable for test results and test reports.

认证委托人应对其所提交的委托资料及样品的真实性、合法性负责。

The certification client shall be liable for the authenticity and legality of the submitted entrustment documents and samples.

11 技术争议及申诉 Technical Disputes and Appeals

认证委托人提出的申诉、投诉和争议按照PTC的相关规定处理。

Appeals, complaints and disputes raised by the certification client shall be handled in accordance with relevant provisions of PTC.

12 认证证书有效性查询与认证信息报送 Validity Verification of Certification Certificates and Reporting of Certification Information

12.1 本机构在官方网站（www.ptc-lab.com，下同）“证书查询”栏目，向公众提供免费、实时、便捷的玩具认证证书有效性查询服务，无需注册、无需付费；查询结果至少包括证书编号、认证委托人名称、生产者名称、生产企业名称及地址、产品名称与型号、认证依据标准名称与版本、认证模式、发证日期、证书有效期及证书状态（有效 / 暂停 / 撤销 / 注销）。

PTC shall provide, on its official website (www.ptc-lab.com, the same below) under the “Certificate Verification” section, a free, real-time and easily accessible service for verifying the validity of toy certificates, without registration or payment; the result shall at least include the certificate number, client name, producer name, manufacturer name and address, product name and model, certification standards and versions, certification mode, date of issue, validity period and certificate status (valid / suspended / withdrawn / cancelled).

12.2 本规则为本机构自行制定并发布的认证规则，依据本规则出具的认证证书按 12.1 规定的方式查询；本机构不以提示引导、链接跳转或任何其他方式，将国家认监委网站作为本机构认证证书有效性的查询途径。

This rule is a certification scheme developed and issued by PTC itself; certificates issued under this rule shall be verified as specified in 12.1, and PTC shall not, by prompts, hyperlinks, redirection or any other means, use the CNCA website as the means of verifying the validity of its own certificates.

12.3 本机构将 12.1 规定的查询方式报送国家认监委并向社会公开，查询方式发生变更的，应于变更前 10 个工作日在网站公告。

PTC shall report the verification method in 12.1 to the CNCA and make it public, and shall announce any change on its website 10 working days in advance.

12.4 本机构按《市场监管总局关于加强认证信息报送和认证证书信息查询管理的公告》（2026 年第 28 号）通过“认证认可业务信息统一上报平台”报送下列信息：

In accordance with Announcement No. 28 of 2026 of the State Administration for Market Regulation, PTC shall report the following through the unified reporting platform for certification and accreditation:

a）认证计划，于计划实施 3 日前报送，计划变更的，于原计划开始日期前 1 日 23 点前报送，计划撤销的于实施前报送，计划终止的，于实施结束前报送；

certification plans, 3 days before implementation, changes before 23:00 of the day preceding the original start date, cancellations before implementation and terminations before the end of implementation;

b）认证结果信息，于结果产生后 1 日内报送认证活动、认证人员、认证对象信息；

certification results, within 1 day after the result is generated, covering certification activities, personnel and objects;

c）证书状态信息，于出具认证证书以及作出暂停、注销、撤销证书决定的同时报送；

certificate status, at the same time as the certificate is issued or a decision to suspend, cancel or withdraw is made;

d）分支机构信息，于设立后 10 日内报送。
branch information, within 10 days after establishment.

12.5 本机构对报送信息的全面性、真实性、准确性负责，不得有虚假、误导或遗漏的情况。

PTC shall be responsible for the completeness, truthfulness and accuracy of the reported information and shall not report false, misleading or omitted information.

12.6 认证委托人、生产者、生产企业应按本机构要求及时、准确提供报送所需的企业信息、产品信息及认证活动信息，并对其真实性负责，信息变更的应在变更后 5 个工作日内书面告知本机构。

The client, producer and manufacturer shall provide the required information in a timely and accurate manner and be responsible for its truthfulness, and shall notify PTC in writing within 5 working days of any change.

附件1：道路照明灯具和投光灯具送样要求及检验时限Sampling Requirements and Inspection Deadlines for Road Lighting Fixtures and Floodlight Fixtures

道路照明灯具和投光灯具送样要求及检验时限见表A.1。

The sample submission requirements and testing time limits for road lighting luminaires and floodlights are shown in Table A.1.

表A.1 道路照明灯具和投光灯具送样要求及检验时限

Table A.1 Sample Submission Requirements and Testing Time Limits for Road Lighting Luminaires and Floodlights

产品 Product	检测项目 Test item	认证依据国内标准 Certification basis: domestic standard	出口标准 Certification basis: export standard	送检数量 Sample quantity
道路照明灯具 Road and street lighting luminaires	标记 Marking	GB/T 7000.1-2023 第 3 章及 GB/T 7000 第 2 部分的要求 Requirements of Clause 3 of GB/T 7000.1—2023 and Part 2 of GB/T 7000	IEC 60598-1:2024 第 3 章及 IEC 60598-2-3:2002+A1:2011 的要求 Requirements of Clause 3 of IEC 60598-1:2024 and IEC 60598-2-3:2002+A1:2011	主检样品2只；差异型号必要时补送；另送起防触电保护作用的绝缘外壳及支承带电体的绝缘材料样品各3件 2 principal test samples; variant models to be additionally submitted where necessary; 3 pieces each of the insulating enclosure for protection against electric shock and the insulating material supporting live parts
	结构 Construction	GB/T 7000.1-2023 第 4 章及 GB/T 7000 第 2 部分的要求 Requirements of Clause 4 of GB/T 7000.1—2023 and Part 2 of GB/T 7000	IEC 60598-1:2024 第 4 章及 IEC 60598-2-3:2002+A1:2011 的要求 Requirements of Clause 4 of IEC 60598-1:2024 and IEC 60598-2-3:2002+A1:2011	
	外部接线和内部接线 External and internal wiring	GB/T 7000.1-2023 第 5 章及 GB/T 7000 第 2 部分的要求 Requirements of Clause 5 of GB/T 7000.1—2023 and Part 2 of GB/T 7000	IEC 60598-1:2024 第 5 章及 IEC 60598-2-3:2002+A1:2011 的要求 Requirements of Clause 5 of IEC 60598-1:2024 and IEC 60598-2-3:2002+A1:2011	
	接地规定 Earthing provisions	GB/T 7000.1-2023 第 7 章及 GB/T 7000 第 2 部分的要求 Requirements of Clause 7 of GB/T 7000.1—2023 and Part 2 of GB/T 7000	IEC 60598-1:2024 第 7 章及 IEC 60598-2-3:2002+A1:2011 的要求 Requirements of Clause 7 of IEC 60598-1:2024 and IEC 60598-2-3:2002+A1:2011	

产品 Product	检测项目 Test item	认证依据国内标准 Certification basis: domestic standard	出口标准 Certification basis: export standard	送检数量 Sample quantity
	防触电保护 Protection against electric shock	GB/T 7000.1-2023 第 8 章及 GB/T 7000 第 2 部分的要求 Requirements of Clause 8 of GB/T 7000.1—2023 and Part 2 of GB/T 7000	IEC 60598-1:2024 第 8 章及 IEC 60598-2-3:2002+A1:2011 的要求 Requirements of Clause 8 of IEC 60598-1:2024 and IEC 60598-2-3:2002+A1:2011	
	防尘、防固体异物和防水 Protection against dust, solid foreign objects and water	GB/T 7000.1-2023 第 9 章及 GB/T 7000 第 2 部分的要求 Requirements of Clause 9 of GB/T 7000.1—2023 and Part 2 of GB/T 7000	IEC 60598-1:2024 第 9 章及 IEC 60598-2-3:2002+A1:2011 的要求 Requirements of Clause 9 of IEC 60598-1:2024 and IEC 60598-2-3:2002+A1:2011	
	绝缘电阻和电气强度、接触电流和保护导体电流 Insulation resistance and electric strength, touch current and protective conductor current	GB/T 7000.1-2023 第 10 章及 GB/T 7000 第 2 部分的要求 Requirements of Clause 10 of GB/T 7000.1—2023 and Part 2 of GB/T 7000	IEC 60598-1:2024 第 10 章及 IEC 60598-2-3:2002+A1:2011 的要求 Requirements of Clause 10 of IEC 60598-1:2024 and IEC 60598-2-3:2002+A1:2011	
	爬电距离和电气间隙 Creepage distances and clearances	GB/T 7000.1-2023 第 11 章及 GB/T 7000 第 2 部分的要求 Requirements of Clause 11 of GB/T 7000.1—2023 and Part 2 of GB/T 7000	IEC 60598-1:2024 第 11 章及 IEC 60598-2-3:2002+A1:2011 的要求 Requirements of Clause 11 of IEC 60598-1:2024 and IEC 60598-2-3:2002+A1:2011	
	耐久性试验和热试验 Endurance test and thermal test	GB/T 7000.1-2023 第 12 章及 GB/T 7000 第 2 部分的要求 Requirements of Clause 12 of GB/T 7000.1—2023 and Part 2 of GB/T 7000	IEC 60598-1:2024 第 12 章及 IEC 60598-2-3:2002+A1:2011 的要求 Requirements of Clause 12 of IEC 60598-1:2024 and IEC 60598-2-3:2002+A1:2011	

产品 Product	检测项目 Test item	认证依据国内标准 Certification basis: domestic standard	出口标准 Certification basis: export standard	送检数量 Sample quantity
	耐热、耐火和耐起痕 Resistance to heat, fire and tracking	GB/T 7000.1-2023 第 13 章及 GB/T 7000 第 2 部分的要求 Requirements of Clause 13 of GB/T 7000.1—2023 and Part 2 of GB/T 7000	IEC 60598-1:2024 第 13 章及 IEC 60598-2-3:2002+A1:2011 的要求 Requirements of Clause 13 of IEC 60598-1:2024 and IEC 60598-2-3:2002+A1:2011	
	螺纹接线端子 Screw terminals	GB/T 7000.1-2023 第 14 章及 GB/T 7000 第 2 部分的要求 Requirements of Clause 14 of GB/T 7000.1—2023 and Part 2 of GB/T 7000	IEC 60598-1:2024 第 14 章及 IEC 60598-2-3:2002+A1:2011 的要求 Requirements of Clause 14 of IEC 60598-1:2024 and IEC 60598-2-3:2002+A1:2011	
	无螺纹接线端子和电气连接件 Screwless terminals and electrical connections	GB/T 7000.1-2023 第 15 章及 GB/T 7000 第 2 部分的要求 Requirements of Clause 15 of GB/T 7000.1—2023 and Part 2 of GB/T 7000	IEC 60598-1:2024 第 15 章及 IEC 60598-2-3:2002+A1:2011 的要求 Requirements of Clause 15 of IEC 60598-1:2024 and IEC 60598-2-3:2002+A1:2011	
	传导骚扰 Conducted disturbance	GB/T 17743-2021 第 8 章的要求 Requirements of Clause 8 of GB/T 17743—2021	CISPR 15:2018 第 8 章的要求 Requirements of Clause 8 of CISPR 15:2018	
	辐射骚扰 Radiated disturbance	GB/T 17743-2021 第 9 章的要求 Requirements of Clause 9 of GB/T 17743—2021	CISPR 15:2018 第 9 章的要求 Requirements of Clause 9 of CISPR 15:2018	
	谐波电流 Harmonic currents	GB 17625.1-2022 的要求 Requirements of GB 17625.1—2022	IEC 61000-3-2:2020 的要求 Requirements of IEC 61000-3-2:2020	

产品 Product	检测项目 Test item	认证依据国内标准 Certification basis: domestic standard	出口标准 Certification basis: export standard	送检数量 Sample quantity
	浪涌（以 LED 为光源时适用；直流输入不超过 36V 的III类灯具可选择适用） Surge (applicable where LED is used as the light source; may be applied optionally to Class III luminaires with a DC input not exceeding 36 V)	GB/T 18595-2014 第 5.7 条的要求 Requirements of Clause 5.7 of GB/T 18595—2014	IEC 61547:2009 的要求 Requirements of IEC 61547:2009	
投光灯具	标记 Marking	GB/T 7000.1-2023 第 3 章及 GB/T 7000 第 2 部分的要求 Requirements of Clause 3 of GB/T 7000.1—2023 and Part 2 of GB/T 7000	IEC 60598-1:2024 第 3 章及 IEC 60598-2-5:2015 的要求 Requirements of Clause 3 of IEC 60598-1:2024 and IEC 60598-2-5:2015	主检样品2只；差异型号必要时补送；另送起防触电保护作用的绝缘外壳及支承带电体的绝缘材料样品各3件
	结构 Construction	GB/T 7000.1-2023 第 4 章及 GB/T 7000 第 2 部分的要求 Requirements of Clause 4 of GB/T 7000.1—2023 and Part 2 of GB/T 7000	IEC 60598-1:2024 第 4 章及 IEC 60598-2-5:2015 的要求 Requirements of Clause 4 of IEC 60598-1:2024 and IEC 60598-2-5:2015	
	外部接线和内部接线 External and internal wiring	GB/T 7000.1-2023 第 5 章及 GB/T 7000 第 2 部分的要求 Requirements of Clause 5 of GB/T 7000.1—2023 and Part 2 of GB/T 7000	IEC 60598-1:2024 第 5 章及 IEC 60598-2-5:2015 的要求 Requirements of Clause 5 of IEC 60598-1:2024 and IEC 60598-2-5:2015	
	接地规定 Earthing provisions	GB/T 7000.1-2023 第 7 章及 GB/T 7000 第 2 部分的要求 Requirements of Clause 7 of GB/T 7000.1—2023 and Part 2 of GB/T 7000	IEC 60598-1:2024 第 7 章及 IEC 60598-2-5:2015 的要求 Requirements of Clause 7 of IEC 60598-1:2024 and IEC 60598-2-5:2015	
	防触电保护 Protection against electric shock	GB/T 7000.1-2023 第 8 章及 GB/T 7000 第 2 部分的要求 Requirements of Clause 8 of GB/T 7000.1—2023 and Part 2 of GB/T 7000	IEC 60598-1:2024 第 8 章及 IEC 60598-2-5:2015 的要求 Requirements of Clause 8 of IEC 60598-1:2024 and IEC 60598-2-5:2015	

产品 Product	检测项目 Test item	认证依据国内标准 Certification basis: domestic standard	出口标准 Certification basis: export standard	送检数量 Sample quantity
	防尘、防固体异物和防水 Protection against dust, solid foreign objects and water	GB/T 7000.1-2023 第 9 章及 GB/T 7000 第 2 部分的要求 Requirements of Clause 9 of GB/T 7000.1—2023 and Part 2 of GB/T 7000	IEC 60598-1:2024 第 9 章及 IEC 60598-2-5:2015 的要求 Requirements of Clause 9 of IEC 60598-1:2024 and IEC 60598-2-5:2015	
	绝缘电阻和电气强度、接触电流和保护导体电流 Insulation resistance and electric strength, touch current and protective conductor current	GB/T 7000.1-2023 第 10 章及 GB/T 7000 第 2 部分的要求 Requirements of Clause 10 of GB/T 7000.1—2023 and Part 2 of GB/T 7000	IEC 60598-1:2024 第 10 章及 IEC 60598-2-5:2015 的要求 Requirements of Clause 10 of IEC 60598-1:2024 and IEC 60598-2-5:2015	
	爬电距离和电气间隙 Creepage distances and clearances	GB/T 7000.1-2023 第 11 章及 GB/T 7000 第 2 部分的要求 Requirements of Clause 11 of GB/T 7000.1—2023 and Part 2 of GB/T 7000	IEC 60598-1:2024 第 11 章及 IEC 60598-2-5:2015 的要求 Requirements of Clause 11 of IEC 60598-1:2024 and IEC 60598-2-5:2015	
	耐久性试验和热试验 Endurance test and thermal test	GB/T 7000.1-2023 第 12 章及 GB/T 7000 第 2 部分的要求 Requirements of Clause 12 of GB/T 7000.1—2023 and Part 2 of GB/T 7000	IEC 60598-1:2024 第 12 章及 IEC 60598-2-5:2015 的要求 Requirements of Clause 12 of IEC 60598-1:2024 and IEC 60598-2-5:2015	
	耐热、耐火和耐起痕 Resistance to heat, fire and tracking	GB/T 7000.1-2023 第 13 章及 GB/T 7000 第 2 部分的要求 Requirements of Clause 13 of GB/T 7000.1—2023 and Part 2 of GB/T 7000	IEC 60598-1:2024 第 13 章及 IEC 60598-2-5:2015 的要求 Requirements of Clause 13 of IEC 60598-1:2024 and IEC 60598-2-5:2015	
	螺纹接线端子 Screw terminals	GB/T 7000.1-2023 第 14 章及 GB/T 7000 第 2 部分的要求 Requirements of Clause 14 of GB/T 7000.1—2023 and Part 2 of GB/T 7000	IEC 60598-1:2024 第 14 章及 IEC 60598-2-5:2015 的要求 Requirements of Clause 14 of IEC 60598-1:2024 and IEC 60598-2-5:2015	

产品 Product	检测项目 Test item	认证依据国内标准 Certification basis: domestic standard	出口标准 Certification basis: export standard	送检数量 Sample quantity
	无螺纹接线端子和电气连接件 Screwless terminals and electrical connections	GB/T 7000.1-2023 第 15 章及 GB/T 7000 第 2 部分的要求 Requirements of Clause 15 of GB/T 7000.1—2023 and Part 2 of GB/T 7000	IEC 60598-1:2024 第 15 章及 IEC 60598-2-5:2015 的要求 Requirements of Clause 15 of IEC 60598-1:2024 and IEC 60598-2-5:2015	
	传导骚扰 Conducted disturbance	GB/T 17743-2021 第 8 章的要求 Requirements of Clause 8 of GB/T 17743—2021	CISPR 15:2018 第 8 章的要求 Requirements of Clause 8 of CISPR 15:2018	
	传导骚扰 Conducted disturbance	GB/T 17743-2021 第 8 章的要求 Requirements of Clause 8 of GB/T 17743—2021	CISPR 15:2018 第 8 章的要求 Requirements of Clause 8 of CISPR 15:2018	
	辐射骚扰 Radiated disturbance	GB/T 17743-2021 第 9 章的要求 Requirements of Clause 9 of GB/T 17743—2021	CISPR 15:2018 第 9 章的要求 Requirements of Clause 9 of CISPR 15:2018	
	浪涌（以 LED 为光源时适用；直流输入不超过 36V 的III类灯具可选择适用） Surge (applicable where LED is used as the light source; may be applied optionally to Class III luminaires with a DC input not exceeding 36 V)	GB/T 18595-2014 第 5.7 条的要求 Requirements of Clause 5.7 of GB/T 18595—2014	IEC 61547:2009 的要求 Requirements of IEC 61547:2009	

注：对于直流输入电压不超过36V的III类灯具，电磁兼容项目可按产品实际选择适用。

Note: For Class III luminaires with a DC input voltage not exceeding 36 V, the EMC items may be selected as applicable to the actual product.

附件2 道路照明灯具和投光灯具产品描述

申请编号 Application No.：

申请人名称 Applicant name：

认证单元名称 Certification unit name：

一、申请认证产品信息 Application Information for Certified Product

1、申请认证单元覆盖产品型号、规格说明：

Description of product models and specifications covered by the applied certification unit:

2、申请认证产品参数（光源类型、额定电压、额定功率、防触电保护类别、外壳防护等级、安装方式、额定最高环境温度等）：

Parameters of the products applied for certification (light source type, rated voltage, rated power, class of protection against electric shock, enclosure protection rating, mounting method, rated maximum ambient temperature, etc.):

3、申请认证产品图纸、照片、铭牌等（可另附页）：

Drawings, photos, nameplates, etc. of the products applied for certification (additional pages may be attached):

4、样品参数（表格、照片）：

Sample parameters (table, photos):

二、关键原材料/零部件/元器件清单List of Key Raw Materials/Components/Parts

表A.2 道路照明灯具和投光灯具关键原材料/零部件/元器件清单

Table A.2 List of Key Raw Materials/Components/Parts for Road Lighting Luminaires and Floodlights

产品 Product	零部件/元器件 Components / Parts	参数 Parameters	认证依据国内标准 Certification Basis (Domestic Standards)	出口标准 Export Standards	送检数量 Sample Quantity
灯具 Luminaires	螺纹接线端子 Screw terminals	端子类型、载流能力 Terminal type and current-carrying capacity	GB/T 7000.1；GB/T 13140.1；GB/T 13140.2 GB/T 7000.1; GB/T 13140.1; GB/T 13140.2	IEC60598-1；IEC60998-1；IEC60998-2-1 IEC 60598-1; IEC 60998-1; IEC 60998-2-1	12 个，随整机试验 12 pieces, tested with the complete luminaire

产品 Product	零部件/元器件 Components / Parts	参数 Parameters	认证依据国内标准 Certification Basis (Domestic Standards)	出口标准 Export Standards	送检数量 Sample Quantity
灯具 Luminaires	无螺纹接线端子 Screwless terminals	端子类型、载流能力 Terminal type and current-carrying capacity	GB/T 7000.1； GB/T 13140.1； GB/T 13140.3 GB/T 7000.1; GB/T 13140.1; GB/T 13140.3	IEC60598-1； IEC60998-1； IEC60998-2-2 IEC 60598-1; IEC 60998-1; IEC 60998-2-2	12 个，随整机试验 12 pieces, tested with the complete luminaire
灯具 Luminaires	螺口灯座（适用时） Edison screw lampholders (where applicable)	规格、额定值 Specification and rated value	GB/T 17935 GB/T 17935	IEC60238 IEC 60238	非开关式 9 个，开关式 12 个 9 non-switchable type and 12 switchable type
灯具 Luminaires	卡口灯座（适用时） Bayonet lampholders (where applicable)	规格、额定值 Specification and rated value	GB/T 17936 GB/T 17936	IEC61184 IEC 61184	非开关式 8 个，开关式 11 个 8 non-switchable type and 11 switchable type
灯具 Luminaires	电子控制装置（LED 模块用电子控制装置等） Electronic controlgear (electronic controlgear for LED modules, etc.)	额定电压、功率、工作温度 Rated voltage, power and operating temperature	GB/T 19510.213 GB/T 19510.213	IEC61347-2-13 IEC 61347-2-13	LED 模块用电子控制装置 6 个 6 electronic controlgear units for LED modules
灯具 Luminaires	光源（LED 光源、普通照明用 LED 模块等） Light sources (LED light sources, LED modules for general lighting, etc.)	额定功率、色温、光通量 Rated power, colour temperature and luminous flux	LED 光源：GB/T 20145；GB/Z 39942；普通照明用 LED 模块：GB/T 24819 LED light sources: GB/T 20145; GB/Z 39942; LED modules for general lighting: GB/T 24819	LED 光源：IEC62471；IEC TR62778；普通照明用 LED 模块：IEC62031 LED light sources: IEC 62471; IEC TR 62778; LED modules for general lighting: IEC 62031	LED 光源 3 个；普通照明用 LED 模块 6 个 3 LED light sources; 6 LED modules for general lighting

产品 Product	零部件/元器件 Components / Parts	参数 Parameters	认证依据国内标准 Certification Basis (Domestic Standards)	出口标准 Export Standards	送检数量 Sample Quantity
灯具 Luminaires	电线（橡皮电线、聚氯乙烯电线等） Cables (rubber-insulated cables, PVC-insulated cables, etc.)	型号、线径、绝缘材料 Model, conductor size and insulation material	GB/T 5013；GB/T 5023 GB/T 5013; GB/T 5023	IEC60245；IEC60227 IEC 60245; IEC 60227	随整机试验 Tested with the complete luminaire
灯具 Luminaires	开关（适用时） Switches (where applicable)	额定值、动作参数 Rated value and operating parameters	GB/T 15092 系列 GB/T 15092 series	IEC61058 系列 IEC 61058 series	11 个 11 pieces
灯具 Luminaires	热保护器等自动控制器（适用时） Automatic controls such as thermal protectors (where applicable)	额定值、动作参数 Rated value and operating parameters	GB/T 14536 系列 GB/T 14536 series	IEC60730 IEC 60730	随整机试验 Tested with the complete luminaire
灯具 Luminaires	器具插座、连接器（适用时） Appliance outlets and connectors (where applicable)	规格、额定值 Specification and rated value	GB/T 17465 系列 GB/T 17465 series	IEC60320 系列 IEC 60320 series	8 个 8 pieces
灯具 Luminaires	密封圈、绝缘外壳、玻璃保护屏等绝缘和防护件 Seals, insulating enclosures, glass protective screens and other insulating and protective parts	材料、耐热耐燃等级 Material and resistance-to-heat-and-fire rating	GB/T 7000.1 GB/T 7000.1	IEC60598-1 IEC 60598-1	不进行单独部件标准试验 Not subject to separate component-standard testing

注1：以上主要零部件/元器件仅为参考，根据产品实际设计和应用可能有所不同。

Note 1: The above key components/parts are for reference only and may vary according to the actual design and application of the product.

注2：相关认证情况是指零部件/元器件获得的认证，包括CCC认证、自愿性认证、IECEE-CB证书以及其它国际认证。

Note 2: Relevant certification status refers to certification obtained by the components/parts, including CCC certification, voluntary certification, IECEE-CB certificates and other international certifications.

三、 申请方声明

本组织保证该产品描述中产品设计参数及关键原材料和零部件等与相应申请认证产品保持一致。产品获证后，如果关键原材料需进行变更（增加、替换），本组织将向PTC 提出变更申请，未经 PTC 的认可，不会擅自变更使用，以确保该规格型号在认证证书有效期内始终符合产品认证要求。

This organization guarantees that the product design parameters and key raw materials and components in this product description are consistent with the corresponding products applied for certification. After the product is certified, if key raw materials need to be changed (added or replaced), this organization will submit a change application to PTC and will not change or use them without PTC’s approval, so as to ensure that the specification and model always comply with the product certification requirements during the validity period of the certification certificate.

本组织保证使用证书及标志的获证产品只配用经 PTC 确认的上述关键原材料和零部件。

This organization guarantees that certified products using the certificate and mark will only be equipped with the above key raw materials and components confirmed by PTC.

申请人Applicant：

（公章Official seal）

日期Date： 年 月 日