

**भारतीय मानक ब्यूरो
(केंद्रीय मुहर विभाग III)**

हमारा संदर्भ : सी एम डी - III/16 : 10322 (Part 5/Sec 1):2012

22 मार्च 2017

विषय : आई एस 10322 (Part 5/Sec 1):2012 के लिए पुनरीक्षित एस टी आई/ दिशानिर्देश का अनुपालन

इसे उपरोक्त विषय का संदर्भ प्राप्त है।

सक्षम प्राधिकारी ने अनुपालन हेतु **एस टी आई /दिशानिर्देश** को अनुमोदित कर दिया है।

सभी शाखा कार्यालयों से अनुरोध है की उपरोक्त दिशानिर्देश का अनुपालन तत्काल प्रभाव से सुनिश्चित करें।

**(अलिस्मिता खाग)
वैज्ञानिक बी (सी एम डी-III)**

प्रमुख (सी एम डी-III)

सभी शाखा कार्यालय

प्रतिलिपि : आई टी एस विभाग - बी आई एस इंटरनेट पर डालने हेतु।

CENTRAL MARKS DEPARTMENT III

Our Ref: CMD III/16: IS 10322 (Part 5/Sec 1):2012

22-03-2017

Subject: Guidelines and revised STI for implementation of revised IS 10322(Part 5/Sec 1):2012

This has reference to the subject mentioned above.

The Competent Authority has approved the Guidelines and STI for implementation.

All BOs are requested to ensure the implementation of the above guidelines with immediate effect.

(Alismita Khag)
Sc B(CMD III)

Head (CMD III)

Circulated to: All BOs

Copy to: ITS for hosting on Intranet

CENTRAL MARKS DEPARTMENT III

Our Ref: CMD III/16: IS 10322 (Part 5/Sec1):2012

22-03-2017

Subject: Guidelines for implementation of revised IS 10322 (Part 5/Sec 1):2012

1. IS 10322(Part 5/Sec 1):1985 has been revised and is published as IS 10322 (Part 5/Sec 1) : 2012–Luminaires Part 5 Particular Requirements Section 1 Fixed General Purpose Luminaires.
2. The last date for implementation of the revised IS 10322(Part 5/Sec 1):2012 is 12.08.2017 after which the old Standard shall stand withdrawn.
3. All BOs may inform the Applicants and Licensees under their jurisdiction about the revised Standard.
4. The revised IS 10322 (Part 5/Sec 1):2012 specifies the requirements for fixed general purpose luminaires for LED and LED modules also. Classification of luminaires according to the ‘degree of protection against solid objects’ included in addition to ‘degree of protection against ingress of dust and moisture’. Class 0 luminaire has been removed from the classification according to the ‘type of protection against electric shock’. Compliance requirements for components of luminaires have also been specified. BOs shall ensure that the product conforms to all the requirements, as applicable, as per the revised Standard read in conjunction with the relevant sections of IS 10322(Part 1):2014.
5. Consequent upon the issuance of the revised Standard, existing STI has been revised as **Doc: STI/10322 (Part 5/Sec 1)/2 March 2017**.
6. The guidelines for implementation of the revised Standard is given below:

A. For Licensees:

- (i) All Licensees shall switchover to the revised Standard by 12.08.2017. BOs shall ensure that no Licences are under operation as per the old Standard after 12.08.2017.
- (ii) Licensees shall confirm conformance to the additional/modified requirements through In-house/ Independent Test Reports or Test Certificates, as applicable. Verification of additional requirements and facilities, if any, may be done during the next surveillance visit.
- (iii) BO may issue endorsement for the revised STI after receipt of STI Acceptance and the confirmation from the Licensee on implementation of the revised Standard. If the Licensee fails to complete all actions by 12.08.2017 it shall be dealt with as per OMPC.

B. For Applicants:

- (i) Existing Applications where samples have been submitted in the laboratory/Test report has been issued by the laboratory as on date of issue of these guidelines may be processed as per the old Standard. However, if the Applicant is desirous of considering the Application as per the revised Standard, a declaration from the Applicant may be obtained to that effect and the Application may be processed accordingly. An undertaking from such Applicants shall also be obtained that if the sample fails in new/modified test requirements, Licence will not be granted by BIS as per the old version.
- (ii) Applications which are recorded henceforth shall be processed only as per the revised Standard.
- (iii) Wherever it is required to submit Test Report along with the Application and the Sample has been submitted in the Laboratory/Test Report has been issued by the Laboratory as on date of issue of these guidelines, such Applications shall be accepted as per the version of the Standard indicated in the Test Report.
- (iv) For any Application which are processed as per the old Standard, Applicant shall give a declaration that they will switch over to the revised Standard by 12.08.2017.
- (v) Beyond 12.08.2017 no Licence shall be granted as per the old Standard.

7. The above guidelines come into force with immediate effect.

Alismita Khag
Scientist B

Head (CMD III)
DDG (Certification)

**SCHEME OF TESTING AND INSPECTION FOR CERTIFICATION OF
FIXED GENERAL PURPOSE LUMINAIRES
ACCORDING TO IS 10322 (Part 5/Sec 1): 2012**

1. LABORATORY

1.1 A laboratory shall be maintained which shall be suitably equipped and staffed, where different tests given in the Specification shall be carried out in accordance with the methods given in the Indian Standard.

1.2 All test equipments shall be periodically checked and calibrated and records of such checks/calibration shall be maintained.

2. TEST RECORDS

2.1 All records of tests as per this Scheme of Testing and Inspection shall be kept in suitable forms.

2.2 Copies of any such records that may be required by BIS shall be made available at any time on request.

3. QUALITY CONTROL

3.1 It is recommended that, as far as possible, Statistical Quality Control (SQC) methods may be used for controlling the quality of the product during production as envisaged in this Scheme [see IS 397 (various parts)].

3.2 In addition, effort should be made to gradually introduce a Quality Management System in accordance with IS/ISO 9001.

4. STANDARD MARK

4.1 The Standard Mark, as given in Column (1) of the First Schedule of the licence shall be marked on each fixed general purpose luminaire, provided always that the luminaire to which the Standard Mark is applied conforms to every requirement of the specification.

5. MARKING

5.1 Each luminaire shall be distinctly and durably marked with the relevant information in accordance with clause 6 of IS 10322 (Part 5/Sec 1) : 2012 and provided with instruction leaflet by manufacturer, where necessary. The luminaire shall also be marked with identification in code or otherwise to trace the date and batch of manufacture from factory records.

6. LEVELS OF CONTROL

6.1 The tests as indicated in Table 1, and at the levels of control specified therein, shall be carried out on the whole production of the factory covered by this scheme and appropriate records maintained in accordance with clause 2 above and charts may be maintained as per clause 3 above. All the production which conforms to the Indian Standard and covered by this license shall be marked with Standard Mark.

6.2 On the basis of the test results, decision regarding conformity or otherwise of the production shall be made.

6.3 In case of failure, marking of the particular type of fixed general purpose luminaire shall be suspended. Marking shall be resumed and the original frequency of testing restored only after obtaining passing factory test results of the fixed general purpose luminaires of improved design drawn from a day's production.

6.4 In respect of all other clauses of the Specification and at all stages of manufacture, the factory shall maintain appropriate control and checks to ensure that the product conforms to various requirements of the Specification.

7. REJECTIONS

7.1 A separate record shall be maintained giving information relating to the rejection of the production not conforming to the requirements of the Specification and the method of disposal. Such material shall in no case be stored together with that conforming to the Specification.

8. SAMPLES

8.1 The licensee shall supply, free of charge, the samples required in accordance with the Bureau of Indian Standards (Certification) Regulations, 1988, as amended from time to time, from the factory or godown. BIS may draw samples from the open market, if available.

9. REPLACEMENT

9.1 Whenever a complaint is received soon after the goods with Standard Mark have been purchased and used, and if there is adequate evidence that the goods have not been misused, defective goods shall be replaced free of cost by the licensee in case the complaint is found to be genuine and the warranty period (where applicable) has not expired. The final authority to judge the conformity of the product to the Indian Standard shall be with BIS.

9.2 In the event of any damage caused by the goods bearing the Standard Mark, or any claim being filed by the consumers against BIS Standard Mark and not "conforming to" the relevant Indian Standard, entire liability arising out of such non-conforming product shall be of the licensee and BIS shall not in any way be responsible in such cases.

10 STOP MARKING

10.1 The marking of the product shall be stopped under intimation to BIS if, at any time, there is some difficulty in maintaining the conformity of their product to the Specification, or the testing equipment goes out of order or due to any other reason. The marking may be resumed as soon as the defects are removed under intimation to BIS.

10.2 The marking of the product shall be stopped immediately if directed to do so by BIS for any reason. The marking may then be resumed only after permission by BIS. The information regarding resumption of marking shall also be sent to BIS.

11 PRODUCTION DATA

The licensee shall send to BIS a statement of quantity produced, marked and exported by him and the value thereof at the end of each operative year of the licence as per the enclosed proforma which has to be authenticated by a Chartered Accountant.

IS 10322 (Part 5/Sec 1): 2012

FIXED GENERAL PURPOSE LUMINAIRES

TABLE 1 LEVELS OF CONTROL
(Clause 6 of the Scheme of Testing and Inspection)

TEST DETAILS				LEVELS OF CONTROL		
CLAUSE	REQUIREMENT	TEST METHOD		NO. OF SAMPLES	LOT SIZE/ FREQUENCY	REMARKS
		CLAUSE/SECTION	REFERENCE			
7	Construction (Excluding Mechanical Strength Test)	Section 4	IS 10322(Part 1)	One	Each luminaire	—
7	Construction (Mechanical Strength Test)	Section 4 (Clause 4.13)	IS 10322(Part 1)	One	Once in a month for each type and size	
8	Creepage Distances and Clearances	Section 11	IS 10322(Part 1)	One	Each luminaire	
9	Provision for Earthing	Section 7	IS 10322(Part 1)	One	Each luminaire	
10	Terminals	Section 14 & Section 15	IS 10322(Part 1)	One	Each luminaire	
11	External and Internal wiring	Section 5	IS 10322(Part 1)	One	Each luminaire	
12	Protection against electric shock	Section 8	IS 10322(Part 1)	One	Each day's production	
13	Thermal test (normal operation)	Section 12	IS 10322(Part 1)	One	Once in a month for each type and size	
13	Thermal test (abnormal operation)	Section 12	IS 10322(Part 1)	One	Once in six months for each type and size	

IS 10322 (Part 5/Sec 1): 2012

FIXED GENERAL PURPOSE LUMINAIRES

TABLE 1 LEVELS OF CONTROL
(Clause 6 of the Scheme of Testing and Inspection)

13	Endurance Test	Section 12	IS 10322(Part 1)	One	Once in six months for each type and size	
14	Resistance to dust and moisture	Section 9	IS 10322(Part 1)	One	Once in six months for each type and size	
15	Insulation resistance and electric strength	Section 10	IS 10322(Part 1)	One	Each luminaire	
16	Resistance to heat, fire and tracking	Section 13	IS 10322(Part 1)	One	Once in six months for each type and size	
17	Photometric test	—	IS 13383(Part 1)	One	Once in six months for each type and size	

PROFORMA FOR OBTAINING PRODUCTION DETAILS

Period covered	
Name of Licensee	
CM/L No.	
Name of Articles (s)	IS No.
Grade/Type/Size/Variety/Class/Rating	
Brand/Trade/Name(s) of Product covered under BIS Certification Mark	
Total production of the articles(s) licensed for certification marking	
Total production of the article(s) conforming to Indian Standard	
Production covered with BIS Certification Mark and its Value : a) Quantity b) Value (Rs.)	
Brand Name used on production covered under BIS Certification Mark	
Calculation of marking fee on unit-rate basis; Marking Fee per unit a) Unit b) Quantity covered with BIS Certification Mark c) Marking fee rounded off in whole rupees as obtained by applying unit rates given in (a) on quantity given in (b) NOTE: In case a clause is not applicable, suitable remarks may be given against it	
Quantity not covered with BIS Certification Mark, if any.	
Reasons for such non-coverage	
Brand Name under which non-ISI goods were sold	
Quantity exported with BIS Standard Mark and its value	
Brand Name under which BIS Certified goods are exported	
Authentication by Chartered Accountant	