

**CHECK LIST FOR PREPARING AMENDMENT TO AUTOMOTIVE INDUSTRY STANDARD (AIS)**  
**Draft Amd. No. 2 to AIS-012 (Part 8) (Rev.1) 2011**  
**Performance Requirements for Parking Lamps for Motor Vehicles**

Sr. No.	PARTICULARS	REMARKS
1.0	Is the amendment related to : i) Changes in technical requirements; ii) Corrigendum iii) Any other (Pl. specify)	<b>This Amendment covers the following broad modifications in the Standard :</b> 1. Addition of the requirements for “Replaceable LED light sources.” 2. Modifications: Filament lamp → light source
2.0	Indicate details of base reference standard (Amendments).	ECE-R 77 Rev 3, Supplement 16 to the original version of the Regulation - Date of entry into force: 3 November 2013
3.0	Add an explanatory note indicating deviations from the above base referred standard (Amendments) in Sr. 2.	---
4.0	If amendment is for provisions in technical requirements :	---
4.1	a) Does amendment call for re-type approval of component / vehicle, which is already type approved? b) Is amendment applicable to fresh type approval of component / vehicle c) Do components / vehicles manufacturers / Test agencies require lead time to meet requirements of amendment?	a) No b) Yes c) No
4.2	If amendment is related to corrigendum : a) Whether changes are required in previous approvals	---
5.0	What are the test equipments for establishing compliance to amendment?	---
6.0	If possible, identify such facilities available in India.	Test agencies notified under CMV Rule 126
7.0	Are there any points on which special comments or information is to be invited from AISC/ CMVRTSC If yes, are they identified?	---
8.0	Recommendation of date for implementation of amendment.	With date of approval in AISC

Explanatory note based on ECE/EEC Directive practices:

1. Amend.X = an amendment issued to the text of the AIS.
2. Rev.X = a Revision of the text comprising all previous text(s) of the AIS.
3. Corr.X = a Corrigendum consists of editorial corrections of errors in the issued texts.

**Draft Amendment 2.... 2018**

**to**

**AIS-012 (Part 8) (Rev.1) 2011**

**Performance Requirements for Parking Lamps for Motor Vehicles**

**1. Page III, Introduction, Point No. 0.3**

*Substitute the following text for the existing text:*

“ECE-R 77 Rev 3, Supplement 16 to the original version of the Regulation - Date of entry into force: 3 November 2013”

**2. Page III, Introduction, Point No. 0.4**

*Insert the following words in the table:*

AIS 130	Provisions concerning the approval of Light Emitting Diode (LED) light sources for use in approved lamp units on power-driven vehicles and their trailers
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**3. Page 1/24, Clause 2.3**

*Substitute the following words:*

“filament lamp” with “light source”

**4. Page 1/24, Clause 2.4**

*Insert the following text at the end:*

“Reference made in this Standard to standard (étalon) LED light source(s) and to AIS 130 shall refer to AIS 130 as amended from time to time in force at the time of application for type approval.”

**5. Page 2/24, Clause 3.2.1**

*Renumber Sub-Clause (b) as (c)*

**6. Page 2/24, Clause 3.2.1**

*Insert the following text in sr. no. (b):*

“(b) The category or categories of LED light source(s) prescribed; this LED light source category shall be one of those contained in AIS 130 and as amended from time to time at the time of application for type approval; and/or.”

**7. Page 2/24, Clause 4.1.2 (a)**

*Substitute the following words:*

“filament lamp” with “light source”

**8. Page 3/24, Clause 6.0**

*Insert new sub Clause 6.3.3 after 6.3.2:*

“6.3.3 A light source module shall be so designed that regardless of the use of tool(s), it shall not be mechanically interchangeable with any replaceable approved light source.”

**9. Page 3/24, Clause 6.4.1**

*Substitute the following text for the existing text:*

Any category or categories of light source(s) approved according to AIS-034 (Part 1) (Rev. 1) and/or AIS 130 may be used, provided that no restriction on the use is made in AIS-034 (Part 1) (Rev. 1) and its series of amendments in force at the time of application for type approval or in AIS 130 and its series of amendments in force at the time of application for type approval..

**10. Page 4/24, Clause 6.4.4**

*Substitute the following words:*

“filament lamp” with “light source”

**11. Page 5/24, Clause 8.1**

*Substitute the following text for the existing text:*

All measurements, photometric and colorimetric shall be carried out with an uncoloured or coloured standard light source of the category prescribed for the device, supplied with the voltage;

- (a) In the case of filament lamps, that is necessary to produce the reference luminous flux required for that category of filament lamp;
- (b) In the case of LED light sources of 6.75 V or 13.5 V; the luminous flux value produced shall be corrected. The correction factor is the ratio between the objective luminous flux and the mean value of the luminous flux found at the voltage applied;
- (c) In the case of lamps with non-replaceable light sources: 6.75 V and 13.5 V respectively;
- (d) In the case of a system that uses an electronic light source control gear being part of the lamp<sup>3</sup> applying at the input terminals of the lamp the voltage declared by the manufacturer or, if not indicated, 6.75 V, 13.5 V or 28.0 V, respectively;
- (e) In the case of a system that uses an electronic light source control gear not being part of the lamp, the voltage declared by the manufacturer shall be applied to the input terminals of the lamp.

**12. Page 5/24, Clause 8.2**

*Renumber the Sub Clause as 8.3*

**13. Page 5/24, Clause 8**

*Insert new sub Clause 8.2 after 8.1*

“8.2 The test laboratory shall require from the manufacturer the light source control gear needed to supply the light source and the applicable functions.”

**14. Page 6/24, Sub Clause 12.1**

*Substitute the following words:*

“Standard filament lamp” with “Standard light source”

**15. Page 8/24, Sub Clause 17.1.1**

*Substitute the following words:*

“Standard filament lamp” with “Standard light source”

**16. Page 13/24, Annex D, Sub Clause D3.2**

*Substitute the following text with the existing text:*

“D3.2 For replaceable light sources:

When equipped with light sources at 6.75 V, 13.5 V or 28.0 V, the luminous intensity values produced shall be corrected. For filament lamps the correction factor is the ratio between the reference luminous flux and the mean value of the luminous flux found at the voltage applied (6.75 V, 13.5 V or 28.0 V).

For LED light sources the correction factor is the ratio between the objective luminous flux and the mean value of the luminous flux found at the voltage applied (6.75 V, 13.5 V or 28.0 V).

The actual luminous fluxes of each light source used shall not deviate more than  $\pm 5$  per cent from the mean value. Alternatively and in case of filament lamps only, a standard filament lamp may be used in turn, in each of the individual positions, operated at its reference flux, the individual measurements in each position being added together.

**17. Page 15/24, Annex F, Sub Clause F1.2, F1.2.2 & F1.3**

*Substitute the following words:*

“Standard filament lamp” with “Standard light source”

**18. Page 17/24, Annex G, Sub Clause G1.2, G1.2.2 & G1.3**

*Substitute the following words:*

“Standard filament lamp” with “Standard light source”

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