

Regulation of the Parked State

Examples to support GRE/2022/27

GRE 87th Session – October 2022



Overview

Explanation of modified and new definitions:

- Exterior courtesy lamp
- Energy indicator lamp
- Answerback signal
- Lamp test mode
- Lamps according to national legislation



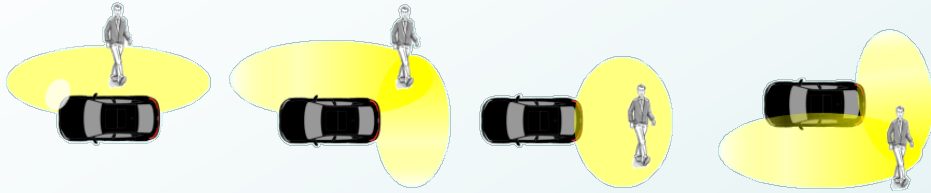
Exterior courtesy lamp

- Definition has been modified to include the “follow-me-home” and vehicle identification functions.
- Illumination of the environment surrounding a vehicle for approach and departure.
- Definition of the minimum intensity to be regarded as visible.

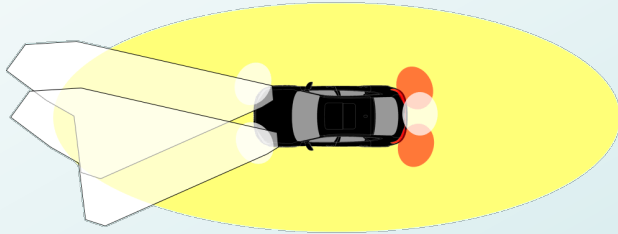


Exterior courtesy lamp

- Allow illumination of the environment and adaptation to the position of users



- Allow use of lamps other than white lamps



- Define a maximum limit of 0.5 cd for the visibility of exterior courtesy lamps.



Photo Source: lovejdmtoy.com, www.instructables.com/How-to-Install-LED-Under-Side-Mirror-Puddle-Lights/. No modification.

https://www.bentleymotors.com/content/dam/bentley/Master/Models/Hero/New%20Flying%20Spur/bentley-new-flying-spur-new-flying-b-bonnet-mascot-illuminated-1920x670.jpg/jcr_content/renditions/original.image_file.1366.477.file/bentley-new-flying-spur-new-flying-b-bonnet-mascot-illuminated-1920x670.jpg

Photo Source: Bentley.No modification



Energy indicator lamp/signal

- Introduced to allow feedback about:
 - Energy status (level)
 - Status of energy transfer (flow of energy)
 - Status of energy system (success/failure condition)



Energy indicator lamp

- Example of feedback of energy level and status by lamps of specified maximum intensity for day and night-time



Photo Source: Audi AG. Modified with light bars for illustration only.

- Allow energy indicator lamp for status information

https://www.audi.co.uk/content/dam/nemo/uk/Electric/Charging/charging-2022-updates/D-Card_2col-02-2-v2.jpg?imwidth=880



Answerback signal

- Regulates short term signals to allow a vehicle user to find their vehicle.
- Permits a short animation of multiple light functions.



Answerback signal

- Short term signal using approved lamps with limited intensity as a reaction to user recognition or locking/unlocking.
- Need not be static but dynamic performance is restricted.

Wish to prohibit:

Tesla 'Easter Egg'
<https://youtu.be/zleH3kpElp8>



Acceptable → Allowed by regulation:

Opel Insignia
<https://youtu.be/xUuTuCuYScc>





Lamp test mode

- Regulates conditions for a lamp test mode typically performed before and after vehicle use. It is also useful when coupling a trailer to a vehicle.
- Lamps may light up in pre determined pattern.
- They may also be remotely operated.

<https://www.wheelsjoint.com/wp-content/uploads/2021/01/Ford-F-150-zone-lighting.jpg>



Lamp test mode

- Examples of test modes activated by a driver so lamps can be checked without an assistant.

Scania Truck Lighting Test

https://www.youtube.com/watch?v=Gfeok5J9f_E



Video Source: PDP Performance, YouTube.

Ford Pass

<https://www.youtube.com/watch?v=YHRwy7EDzYU>



Video Source: [Ford Motor Company](#), YouTube

Jaguar Land Rover trailer check



Video Source: JLR UK Special Vehicle Operations.
Standard feature available as part of the factory fit towing kit.

Lamps according to national legislation

- Lamps according to national legislation shall not invalidate type approval according to UN Regulation 48.
- The lamps must be identified by the applicant.
- The lamps do not belong to the scope of the UN Regulation 48. They may not be covered by a UN approval.

📍 Lamps according to national legislation

➤ Examples:

https://ichef.bbci.co.uk/news/976/cpsprodpb/174C2/production/125462459_9c59d331-fa80-4298-8202-cc5a1561ace7.jpg.webp

Photo Source: <https://www.bbc.co.uk/news/uk-england-coventry-warwickshire-61843352>. No modification.

<https://uk.motor1.com/news/424650/insurer-rac-breakdown-cover-lockdown/>

Photo Source: <https://uk.motor1.com/news/424650/insurer-rac-breakdown-cover-lockdown/> No modification.