



# EUROPEAN LE MANS SERIES COMMITTEE



**TO:**  Teams  Manufacturers

**CATEGORY:**  LMP2  LMP3  LMGTE

**DECISION N°:** ELMS\_2022\_D0007\_LMP2\_Rain light

**DATE:** 31/03/2022

**FROM:** The European Le Mans Series Committee

**SUBJECT:** Rain light parameters

## APPLICABLE REGULATION

2022 Technical Regulations for LMP2 Prototype Homologated in 2017

## DECISION

Two brightness modes must be implemented for the rain light:

- Level High - full brightness mode
- Level Low - reduced brightness

These two modes can be automatically linked to the high beam command, but the driver must be able to select if requested to (eg: heavy fog added to rain).

To implement the two modes, the technical requirements are:

Level High – full brightness

- Keep the 50% duty cycle (125ms ON – 125ms OFF).

Level Low – reduced brightness

- Option 1 (preferred) is to use the inhibit input on the rain light.  
Apply a PWM at 300Hz frequency on the inhibit input and use a duty cycle of 70% for high mode and 30% for low mode.
- Option 2 (alternative) is to modulate the duty cycle of the 4Hz flashing.  
Apply a duty cycle of 20% (50ms ON – 200ms OFF). This modification replaces the fix duty cycle of 50% in art 10.3.2.c of the Technical Regulations.

No sticker should be applied on the side of the light for an optimal heat transfer.

## PERIOD OF VALIDITY/APPLICATION OF THE DECISION

This decision comes into effect:

- with immediate application**
- from:

And is applicable:

- until further notice**
- for the mentioned event(s) only

**Any decision taken by the European Le Mans Series Committee is not subject to appeal.**

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