WEC COMMITTEE

FIA WORLD ENDURANCE CHAMPIONSHIP — A PARTNERSHIP

TO:	☒ Teams	☒ Manufacturers

CATEGORY: ☐ Hypercar ☒ LMP2 ☐ LMGTE Pro ☐ LMGTE Am

DECISION N°: WEC_2021_D0023_LMP2_Rain_lights

DATE: 06/04/2021   **FROM:** The WEC Committee

SUBJECT: Rain lights parameters

APPLICABLE REGULATION

☒ *2021 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 additioned 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 Competition(s) only