

PROPOSAL FOR A SUPPLEMENT TO TRANS/WP.29/GRE/2005/37

(Submitted by the expert from Germany)

A. PROPOSAL

Add a new paragraph 5.3.2.3., to read:

"5.3.2.3. The total objective luminous flux of all LED modules producing the passing beam shall be equal or greater than 1,500 lumens."

B. JUSTIFICATION

ECE Regulation No. 112 makes in paragraph 5.3. reference to ECE Regulation No. 37 for the filament light sources to be used. The light sources in ECE Regulation No. 37 which are used for passing beam headlamps generate objective luminous fluxes between 1,000 lumen (H4) and 1,875 lumens (HIR2). To guarantee the same lighting performance of a passing beam equipped with LED-modules as of a passing beam equipped with filament lamps, it is essential to define a minimum objective luminous flux. The requirements of car manufacturers for passing beam headlamps will not necessarily guarantee that passing beam headlamps equipped with LED-modules will have the same levels of performance.
