

European Commission Regulation of (EU) 2019/2020 for LED Driver

- Effective date : 2021/9/1 (replace (EU)No. 1194/2012)
- Impact for LED Driver
 1. No-Load Power $\leq 0.5W$ is required for models with all range of output power instead of that for only with output power $\leq 250W$
 2. Add requirement of Networked standby power $\leq 0.5W$ (Impact: Models with Built-in wireless module).
 3. Add requirement of Minimum energy efficiency : $P^{0.81}/(1.09 \times P^{0.81} + 2.10)$
 4. Add requirement of Displacement factor ($\cos \phi_1$) for lighting products . (raise the limit from >0.5 to >0.7 for models with output of 10-25W)
- Difference between (EU) 2019/2020 & (EU)No. 1194/2012



LED separate control gears test comparison		
Test items	(EU) No 1194/2012	(EU) .../... of 1.10.2019
Standby power	$\leq 0.5W$	$\leq 0.5W$
No-load power	$\leq 0.5W$ (Output power over 250W, $\leq P/250W$)	$\leq 0.5W$
Networked standby power	--	$\leq 0.5W$
Minimum energy efficiency	--	$\geq P_{cg}^{0.81}/(1.09 \times P_{cg}^{0.81} + 2.10)$