



LUXEON Lx6

High-flux regulated bulbs for easy integration, fast development cycles, and cross-platform adoption



Lumileds is expanding its regulated LUXEON LxN portfolio with higher-flux performance bulbs. In addition to the previously announced LR6 high-flux red bulb, the LW6 and LY6 bulb types provide 550 lm in white and 440 lm in amber, respectively. Using LUXEON LxN regulated bulbs design-in will become hassle-free, saves on system costs, and shortens time to market.

FEATURES AND BENEFITS

- Turnkey solution with integrated heatsink and driver, enabling compact luminaire design
- Standard interface minimizes design and engineering effort while accelerating cross-platform rollout
- Supply-chain and service sustainability through a regulated-solution approach
- Complete product offer allows for a wide range of functions, optical designs, and customized stylings

PRIMARY APPLICATIONS

- Daytime running light (DRL)
- Turn indicator
- Stop
- Rear fog

The high-flux performance of LW6 and LY6 creates new options for signaling applications

Application examples

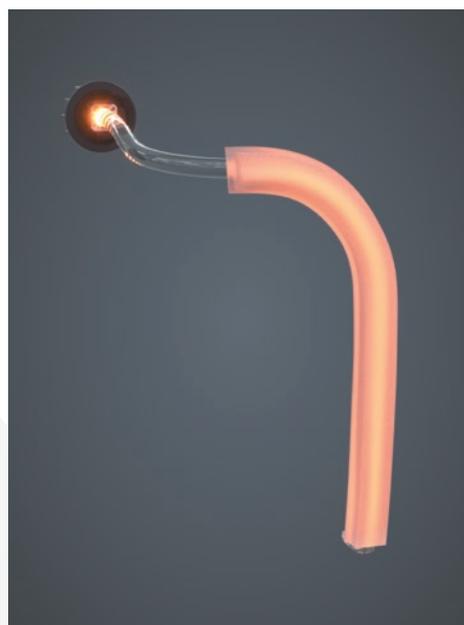
Daytime running light (DRL) with LUXEON LW6

- Reflector design with diffuse inner lens
- Easily accessible light source
- LUXEON LW6 bulb delivering 550 lm
- Optical efficiency: 27%
- Maximum intensity: 704 cd



Front-turn indicator with LUXEON LY6

- Light-guide design with diffuse inner lens
- Easily accessible light source
- LUXEON LY6 bulb delivering 440 lm
- Optical efficiency: 38%
- Maximum intensity: 294 cd



LUXEON Lx6 high-flux product portfolio



LUXEON LR6*



LUXEON LW6**



LUXEON LY6**

	LUXEON LR6*	LUXEON LW6**	LUXEON LY6**
Color	Red	White	Amber
Primary function	Rear fog / stop	DRL	Turn indicator
Luminous flux	180 lm	550 lm	440 lm
Voltage range	9 V to 16 V	9 V to 16 V	9 V to 16 V
Typical power consumption at 13.5 V	6.0 W	6.0 W	6.0 W
Ambient operating temperature	-40 °C to 85 °C	-40 °C to 85 °C	-40 °C to 85 °C

* under development

** under regulatory discussion

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