

## LUXEON LxN

Delivering Style with the Simplicity of a Bulb



Designing an LED signaling solution has never been easier, thanks to LUXEON LxN regulated LED bulbs. Standardized interfaces simplify the design and engineering phases, also enabling faster proliferation for cross-platform rollout. Despite making the design process easier, LxN provides ample scope for styling. With a comprehensive catalogue of regulated bulbs, Lumileds now offers you LED solutions for the mass market, supporting all front and rear signaling functions as well as front fog applications.

### 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 range with multiple flux-specification levels allows for a wide range of functions, optical designs, and customized stylings

### PRIMARY APPLICATIONS

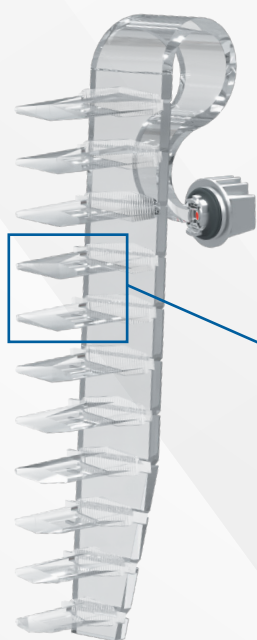
- Rear signaling
- Front signaling
- Front fog

# Design and Engineering Simplicity for Customized Rear-Lamp Styling

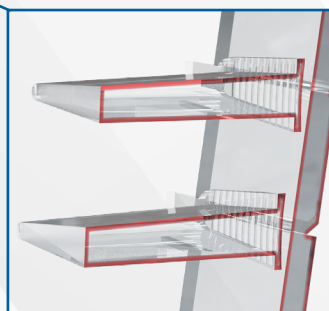
LUXEON LR6 extends the range of regulated LED bulbs suitable for all signaling functions and already fitted to cars on the road today.

Using LUXEON LxN in different straightforward optical designs can achieve different styling results. Here we show two solutions with a unique lighting signature for both stop and tail functions.

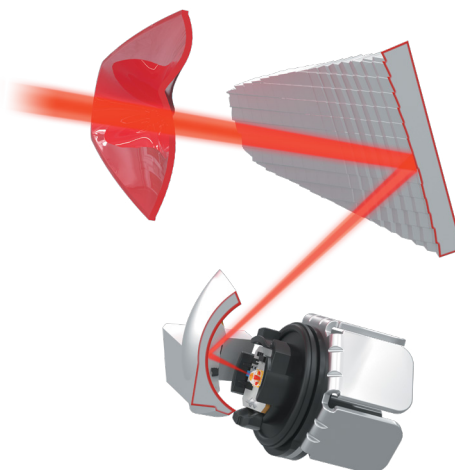
## Stop/Tail Function with Lightguide Design



- LR6 bulb with a collimating light guide and 11 light blades
- Light source easy to access from the back
- Unique lit appearance of the protruding blades
- Exceeds ECE requirements for stop function by over 100%
- Optical efficiency: 20%, maximum intensity: 1.0 cd/lm



## Stop/Tail Function with Reflector Design



- LR5 bulb with primary reflector, cushion reflector, and sculpted cover
- Light source easy to access from the back
- Uniform lit appearance of sculpted cover
- Optical efficiency: 20%, maximum intensity: 120 cd

## Product Portfolio

### Regulated LED Bulbs – LUXEON LxN Family

### Standardized Modules

	LR4 A/B	LR5 A/B	LR6 A/B*	LW5 A/B	LY5 A/B	L1B	Rear fog module	Backup module
Function	Stop/tail	Stop/tail, rear fog	Stop/tail, rear fog	DRL, reverse light	Turn	Front fog	Rear fog	Reverse light
Luminous flux	80 lm / 6 lm	120 lm	180 lm	350 lm	280 lm	355 lm	ECE R38	ECE R23
Voltage range	9 V to 16 V							
Typical power consumption at 13.5 V	2.2 W / 0.4 W	2.2 W	6.0 W	4.7 W	5.1 W	5.0 W	1.9 W (RF75) 1.5 W (RF92)	2.5 W
Ambient operating temperature	-40 °C to 85 °C							

\* Regulation of LR6 in progress

All LxN bulbs (except L1) are available in both A and B type for connector orientation.



A type: 90° angle



B type: 0° angle

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