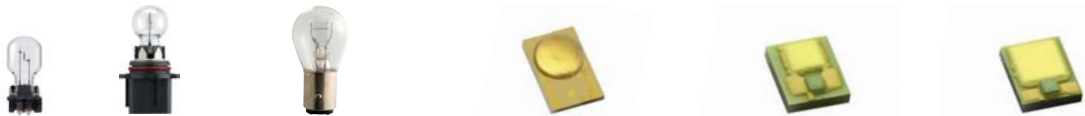


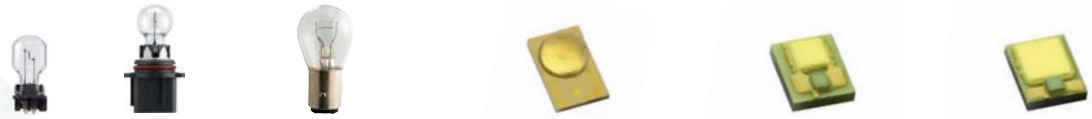


DRL

Product comparison



	HiPerVision range	P21/5W XL	LUXEON Rebel White	LUXEON F CW	LUXEON F ES CW
Lumen output	250 / 500 lm at 13.5V	440/35 lm at 13.5V	120 lm at 350 mA, MP Tc = 25°C	110 lm at 350 mA, DC Tc = 85°C	220 lm at 700 mA, DC Tc = 85°C
Power	16/24W	25/6W	1W at 350 mA	1W at 350 mA	2W at 700 mA
Lifetime	B3 = 750/4,000 h Tc = 1,500/8,000 h	B3 = 1,500/4,000 h Tc = 3,000/8,000 h	B3L70C90 19,000 h B50L70C90 72,000 h (350 mA, Tc = 120°C)	B3L70C90 17,000 h B50L70C90 65,000 h (350 mA, Tc = 120°C)	B3L70C90 16,000 h B50L70C90 63,000 h (700 mA, Tc = 120°C)
Color temperature	2,950 K	2,700 K	5,800 K	5,800 K	5,800 K
Styling	Offers high design flexibility in limited packages	Simple style options, driven by functionality	Offers distributed reflector designs using fewer LEDs	Distributed light source	Combines multiple functions into a single Light Guide



	HiPerVision range	P21/5W XL	LUXEON Rebel White	LUXEON F CW	LUXEON F ES CW
Design-in	<ul style="list-style-type: none"> Excellent PWM behavior High accuracy Axial filament 35% more compact bulb Smaller optics and better design possible 		<ul style="list-style-type: none"> Higher total flux using fewer LEDs Lower forward voltage for higher lighting efficacy 	<ul style="list-style-type: none"> Miniaturized footprint for increased design flexibility 	<ul style="list-style-type: none"> High optical coupling efficiency minimizes light loss enabling complex Light Guide solutions
				<ul style="list-style-type: none"> Low thermal resistance and forward voltage for higher lighting efficacy 	
	<p>Example with HiPerVision 19W</p> <ul style="list-style-type: none"> HiPerVision bulbs offer a double function: DRL/position light, using the same light source Proven good behavior with PWM 		<ul style="list-style-type: none"> Using Pulse Width Modulation (PWM), LEDs offer multiple functions using the same light source Enhanced color harmony with xenon or LED headlighting 		
Efficiency	<ul style="list-style-type: none"> Saves up to 35% of energy consumption compared to conventional solutions 		<ul style="list-style-type: none"> DRL has major impact on CO₂ emission due to long usage time (60-70%) Up to 45W can be saved with LED solutions, CO₂ reduction of ~0.6 g/km 		