







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

DRL

Product comparison













		•				
	HiPerVision range	P21/5W XL	LUXEON Rebel White	LUXEON F CW	LUXEON F ES CW	
Design-in	 Excellent PWM behavior High accuracy Axial filament 35% more 	35%	 Higher total flux using fewer LEDs Lower foward voltage for higher lighting efficacy 	 Miniaturized footprint for increased design flexibility 	 High optical coupling efficiency minimizes light loss enabling complex Light Guide solutions 	
	compact bulb Smaller optics and better design possible			■ Low thermal resistance for higher lighting efficac	_	
	(: E (154)					
	Example with HiPerVision 19W		 Using Pulse Width Modusing the same light sou 	dulation (PWM), LEDs offer multiple functions rce		
	■ HiPerVision bulbs offer a double function: DRL/position light, using the same light source		■ Enhanced color harmony with xenon or LED headlighting			
	Proven good behavior with PWM					
Efficiency	 Saves up to 35% of energy consumption compared to conventional solutions 		 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 			

©2016 Lumileds Holding B.V. All rights reserved. LUXEON is a registered trademark of the Lumileds Holding B.V. in the United States and other countries.

www.lumileds.com

Neither Lumileds Holding B.V. nor its affiliates shall be liable for any kind of loss of data or any other damages, direct, indirect or consequential, resulting from the use of the provided information and data. Although Lumileds Holding B.V. and/or its affiliates have attempted to provide the most accurate information and data, the materials and services information and data are provided "as is," and neither Lumileds Holding B.V. nor its affiliates warrants or guarantees the contents and correctness of the provided information and data. Lumileds Holding B.V. and its affiliates reserve the right to make changes without notice. You as user agree to this disclaimer and user agreement with the download or use of the provided materials, information and data.